

REGULATORY BULLETIN No. 291

ANNUAL REPORT ANALYSES OF OFFICIAL FERTILIZER SAMPLES

JULY 2003 – JUNE 2004



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COLLEGE OF AGRICULTURE

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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, 2003 by the field inspection staff. The samples represented approximately 58,140 tons of fertilizer out of the approximately 855,127 tons sold during this period. The Laboratory made 2,621 nitrogen, 2,345 phosphorus, 2,406 potassium and 806 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, 2003.

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% P_2O_5 and 11.2% K_2O . The grade would be printed 0-11-11. However, the investigational allowances are applied on the basis of the 11.9% and 11.2% guarantees. If this custom mixed fertilizer analyzed 10.9% P_2O_5 and 10.9% K_2O , only the 10.9% P_2O_5 would be marked (*) because it is below the 11.9% guarantee by more than the investigational allowance.

TYPE: The codes for type are:

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

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

MAT - A fertilizer material such as muriate of potash.

CM - A custom-mixed blended fertilizer.

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

Statistical Analyses --

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

Tables 2 and 3 - Self Explanatory

INVESTIGATIONAL ALLOWANCES

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

Primary Nutrients

Guaranteed %	Total Nitrogen (N) %	Available Phosphate (P 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
2002 AND 2003**

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	2002	2003
	Dollars/Unit (20 lbs.)	
Total Nitrogen (N)	\$ 4.34	\$ 4.20
Avail. Phosphate (P ₂ O ₅)	\$ 4.54	\$ 4.56
Soluble Potash (K ₂ O)		
Tobacco (Low CL)	\$ 5.65	\$ 5.64
Non-Tobacco	\$ 2.72	\$ 2.70
Calcium (Ca)	\$ 4.50	\$ 4.86
Magnesium	\$16.43	\$14.37
Sulfur (S)	\$ 5.64	\$ 4.71
Boron (B)	\$63.87	\$66.95
Copper (Cu)	\$63.18	\$28.57
Iron (Fe)	\$12.38	\$9.19
Manganese (Mn)	\$15.40	\$30.55
Zinc (Zn)	\$24.12	\$20.46

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,P2O5, K2O, and RV and excessive chloride are noted with an asterisk(*). A(+) by the sample number indicates that there is an entry for this sample in Table 2.

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

AG DISTRIBUTORS, INC. NASHVILLE TN 37209								
00-00-60	32953	0.00	0.00	59.15		99	Mat	Bulk
10-10-10	33168	9.85	5.54 *	15.24		94 *	Blend	Bag
10-10-10	34784	9.48	9.15	9.65		94 *	Blend	Bag
15-15-15	33169	13.85	9.65 *	21.03		92 *	Blend	Bag
18-46-00	32954	17.41	45.49	0.00		98	Mat	Bulk
34-00-00	32952	34.09	0.00	0.00		100	Mat	Bulk
46-00-00	32955	45.81	0.00	0.00		100	Mat	Bulk

AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
00-00-00	35064+	0.00	0.00	0.00			Blend	Bag
00-00-60	33706	0.00	0.00	61.23		102	Mat	Bulk
00-20-20	35199	0.00	21.67	19.93		105	Blend	Bag
05-10-10	34315	4.72	9.27	10.36		96 *	Blend	Bag
05-10-10	34317	4.44 *	8.65 *	9.66		90 *	Blend	Bag
05-10-15	33874	5.18	10.03	15.60		103	Blend	Bag
05-10-15	34114	5.52	9.90	14.19		98	Blend	Bag
05-10-15	34160	3.87 *	6.84 *	13.94 *	*	83 *	Blend	Bag
05-10-15	34585	5.61	9.80	15.14		102	Blend	Bag
05-10-15	34860	5.06	10.23	15.13		101	Blend	Bag
05-10-15	34913	5.22	10.12	14.67		100	Blend	Bag
05-10-15	34930	5.39	9.88	14.22		98	Blend	Bag
05-10-15	35017	5.20	11.10	14.85		103	Blend	Bulk
05-10-15	35021	7.40	13.44	15.06		117	Blend	Bag
05-10-15	35030	3.87 *	6.32 *	14.54		84 *	Blend	Bag
05-10-15	35040	6.58	11.82	15.70		112	Blend	Bag
05-10-15	35200	4.64	9.23	14.02		93 *	Blend	Bag
05-10-15	35260	5.00	9.55	15.07		99	Blend	Bag
05-10-15	35346	4.77	9.60	14.72		97	Blend	Bag
05-10-15	35421	5.33	10.20	13.93 *		98	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 15								
Average Analysis :		5.24	9.87	14.72		99.2		
CV, %		17.01	17.28	3.91				
05-20-20	34856	5.42	19.00	21.51		101	Blend	Bag
05-20-20	34863	5.17	20.82	20.63		104	Blend	Bag
05-20-20	34869	5.99	19.27	21.01		102	Blend	Bag
05-20-20	35047	8.07	20.47	20.48		110	Blend	Bag
05-20-20	35327	7.75	20.48	20.03		108	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number of Samples This Grade : 5								
Average Analysis :		6.48	20.01	20.73		104.9		
CV, %		20.72	4.07	2.7				
06-12-12	34316	5.34 *	10.07 *	12.39		91 *	Blend	Bag
06-12-12	34318	5.20 *	10.08 *	11.42		88 *	Blend	Bag
06-12-12	34325	5.78	11.26	12.54		97	Blend	Bag
06-12-12	34714	5.39 *	11.00 *	12.04		94 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
06-12-12	34850	5.30 *	10.60 *	11.30		90 *	Blend	Bag
06-12-12	35342	6.15	11.77	12.16		100	Blend	Bag
Statistical Analysis for Grade : 06-12-12								
Number of Samples This Grade : 6								
Average Analysis :		5.52	10.79	11.97		93.3		
CV, %		6.62	6.25	4.24				
06-24-24	34646	6.66	24.43	23.63		102	Blend	Bag
06-24-24	34673	5.67	24.26	23.53		99	Blend	Bag
06-24-24	34900	6.78	23.94	25.71		104	Blend	Bag
09-18-27	33878	8.68	17.87	27.53		100	Blend	Bag
10-10-10	32469	8.84 *	9.19	10.77		94 *	Blend	Bag
10-10-10	32998	9.13	9.93	11.76		101	Blend	Bag
10-10-10	33262	9.73	9.62	11.40		101	Blend	Bag
10-10-10	33268	8.47 *	9.12	11.85		95 *	Blend	Bag
10-10-10	33410	9.01 *	9.63	10.48		96 *	Blend	Bag
10-10-10	33876	10.19	10.18	10.64		103	Blend	Bag
10-10-10	34016	9.63	10.05	10.36		100	Blend	Bag
10-10-10	34116	9.14	9.59	11.04		98	Blend	Bag
10-10-10	34161	9.38	10.04	12.08		103	Blend	Bag
10-10-10	34168	9.48	10.33	11.23		102	Blend	Bag
10-10-10	34320	9.20	9.37	11.13		97	Blend	Bag
10-10-10	34352	9.31	9.34	11.50		98	Blend	Bag
10-10-10	34364	8.65 *	9.07 *	10.51		93 *	Blend	Bag
10-10-10	34583	9.15	9.11	10.19		94 *	Blend	Bag
10-10-10	34645	9.21	9.58	9.92		95 *	Blend	Bag
10-10-10	34674	9.07 *	9.80	10.27		96 *	Blend	Bag
10-10-10	34825	9.46	10.14	10.32		99	Blend	Bag
10-10-10	34855	8.84 *	8.74 *	10.52		92 *	Blend	Bag
10-10-10	34864	10.07	10.56	11.96		107	Blend	Bag
10-10-10	34872	8.90 *	8.94 *	11.37		95 *	Blend	Bag
10-10-10	34880	9.19	9.91	11.52		100	Blend	Bag
10-10-10	34972	10.10	10.59	10.56		104	Blend	Bag
10-10-10	35029	8.43 *	9.11	10.44		92 *	Blend	Bag
10-10-10	35037	8.89 *	9.14	9.46		91 *	Blend	Bag
10-10-10	35202	8.73 *	9.73	9.92		94 *	Blend	Bag
10-10-10	35262	9.14	9.21	10.10		94 *	Blend	Bag
10-10-10	35329	9.38	9.70	10.34		97	Blend	Bag
10-10-10	35341	9.22	9.24	10.89		96 *	Blend	Bag
10-10-10	35348	9.86	9.03 *	10.65		97	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 29								
Average Analysis :		9.23	9.59	10.80		97.4		
CV, %		4.94	5.22	6.23				
10-20-10	34348	9.54	18.73	10.99		97 *	Blend	Bag
10-20-20	34351	9.52	19.76	21.15		100	Blend	Bag
10-20-20	34588	9.95	19.03	20.29		98	Blend	Bag
12-12-12	34324	10.49 *	11.15	14.06		97 *	Blend	Bag
12-12-12	34715	11.62	11.79	12.34		99	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
12-12-12	34866	11.59	11.51	11.40		96 *	Blend	Bag
12-12-12	35340	11.44	11.94	12.25		99	Blend	Bag
12-24-24	33605	11.72	23.31	23.51		97	Blend	Bag
15-10-10	35343	14.46	9.51	10.12		98	Blend	Bag
15-15-15	33604	11.75 *	14.29	18.40		95 *	Blend	Bag
15-15-15	33608	13.88	14.77	15.57		98	Blend	Bag
15-15-15	34471	12.79 *	14.82	14.99		94 *	Blend	Bag
15-15-15	34914	14.07	14.50	15.20		97	Blend	Bag
15-15-15	34970	14.17	13.69 *	16.03		96 *	Blend	Bag
15-15-15	35019	14.25	15.37	15.63		100	Blend	Bag
15-15-15	35261	14.72	15.28	15.03		100	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 7								
Average Analysis :		13.66	14.67	15.83		97.2		
CV, %		7.55	3.96	7.51				
15-30-15	32476	14.62	30.18	17.14		102	Blend	Bag
15-30-15	34343	13.39 *	27.70 *	20.23		99	Blend	Bag
15-30-15	34589	14.55	29.90	17.40		102	Blend	Bag
18-09-18	35063	16.21 *	8.54	19.08		98	CM	Bag
18-46-00	33705	17.85	45.49	0.00		99	Mat	Bulk
19-19-19	32470	18.36	19.68	20.09		101	Blend	Bag
19-19-19	33223	19.14	19.67	20.42		101	CM	Bulk
19-19-19	33272	18.60	17.19 *	22.04		100	Blend	Bag
19-19-19	33411	17.54	18.76	20.55		99	Blend	Bag
19-19-19	33680	17.64	17.49 *	22.00		98	Blend	Bag
19-19-19	33875	17.95	19.50	20.30		101	Blend	Bag
19-19-19	33877	17.84	18.61	21.53		100	Blend	Bag
19-19-19	34015	17.24 *	18.58	22.99		101	Blend	Bag
19-19-19	34036	18.46	18.57	19.40		99	Blend	Bag
19-19-19	34038	17.55	18.37	22.10		100	Blend	Bag
19-19-19	34115	17.93	17.50 *	21.22		98	Blend	Bag
19-19-19	34162	16.82 *	18.26	23.72		100	Blend	Bag
19-19-19	34165	18.40	19.10	20.47		101	Blend	Bag
19-19-19	34169	18.13	18.78	20.74		100	Blend	Bag
19-19-19	34314	17.45 *	17.89	21.70		98	Blend	Bag
19-19-19	34366	18.17	19.04	20.09		100	Blend	Bag
19-19-19	34582	18.82	20.44	18.03		101	Blend	Bulk
19-19-19	34584	18.16	17.77	20.59		98	Blend	Bag
19-19-19	34594	19.24	19.18	19.48		101	Blend	Bag
19-19-19	34644	17.84	19.26	20.67		100	Blend	Bag
19-19-19	34647	18.20	18.88	19.98		99	Blend	Bag
19-19-19	34670	18.94	18.52	18.19		98	Blend	Bulk
19-19-19	34671	19.03	20.04	17.51 *		100	Blend	Bulk
19-19-19	34672	18.47	19.83	18.27		100	Blend	Bag
19-19-19	34716	18.56	18.79	20.33		100	Blend	Bag
19-19-19	34765	17.98	18.50	20.80		99	Blend	Bag
19-19-19	34824	18.40	18.94	19.62		99	Blend	Bag
19-19-19	34868	18.23	19.07	20.51		101	Blend	Bag
19-19-19	34871	17.91	17.87	22.25		100	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
19-19-19	34873	17.47 *	17.90	19.46		95 *	Blend	Bag
19-19-19	34902	17.97	19.33	20.92		101	Blend	Bag
19-19-19	34974	18.37	19.11	20.01		100	Blend	Bag
19-19-19	35014	19.29	19.67	17.89		101	Blend	Bulk
19-19-19	35015	18.93	19.66	19.11		101	Blend	Bulk
19-19-19	35016	18.36	19.76	19.69		101	Blend	Bulk
19-19-19	35020	18.59	19.51	20.07		102	Blend	Bag
19-19-19	35027	17.79	19.15	21.36		101	Blend	Bag
19-19-19	35031	17.97	18.81	20.98		100	Blend	Bag
19-19-19	35041	17.61	19.56	20.87		101	Blend	Bag
19-19-19	35048	17.32 *	19.43	20.83		100	Blend	Bag
19-19-19	35050	19.13	20.28	19.31		103	Blend	Bag
19-19-19	35328	17.97	18.59	20.75		99	Blend	Bag
19-19-19	35339	18.48	18.33	21.76		101	Blend	Bag
19-19-19	35345	19.25	18.57	20.36		101	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 44								
Average Analysis :		18.22	18.90	20.43		100.0		
CV, %		3.26	4.01	6.43				
19-35-08	34587	18.63	35.24	8.00		100	Blend	Bag
20-05-10	35062	18.45	5.33	10.63		98	Blend	Bag
20-08-16	35022	19.82	7.48	16.34	*	99	CM	Bag
22-15-0	34751	22.36	14.59	0.00		97	CM	Bag
27-13-13	35201	25.20 *	13.45	15.33		100	Blend	Bag
34-00-00	33170	34.13	0.00	0.00		100	Mnfr	Bag
46-00-00	33704	45.97	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.12	97.74	105.56				
ALL SAMPLES,CV %		11.66	7.45	7.09				
NUMBER OF ANALYSIS		133	132	131				
Deficiency Rate = 31.62 %								
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
12-09-14	35284	11.59	9.08	14.00		101	CM	Bulk
15-15-23	35288	15.57	15.18	23.65		97	CM	Bulk
15-15-23	35293	14.98	15.62	24.25		98	CM	Bulk
18-05-27	35294	17.52	5.58	27.38		101	CM	Bulk
19-12-19	35285	19.36	12.93	20.95		101	CM	Bulk
20-13-20	35286	19.72	12.99	20.54		101	CM	Bulk
20-4-10	35287	18.88	3.96	11.10	*	98	CM	Bulk
20-4-10	35289	18.91	4.34	10.82		98	CM	Bulk
27-9-12	35292	26.43	11.08	14.25		103	CM	Bulk
6-12-18	35291	5.74	11.78	19.37		99	CM	Bulk
8-16-24	35290	11.37	16.34	25.85		107	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.54	101.42	103.15				
ALL SAMPLES,CV %		12.69	6.07	2.75				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								
AGQUEST DRY RIDGE KY 41035-0366								
10-10-10	34551	8.49 *	9.49	10.16		93 *	Mat	Bag
19-19-19	34550	17.35 *	18.74	20.42		98	Mat	Bag
19-19-19	35153	18.50	19.66	19.61		101	Blend	Bag
9-23-30	34552	8.51	21.84	31.15		98	CM	Bag
AGRI-CHEM, INC. (HERN) HERNDON KY 42236								
07-31-08	32665+	7.21	32.36	7.32		102	CM	Bulk
10-25-26	33415	9.41	25.46	26.40		98	CM	Bulk
4-20-20	32667+	4.68	20.72	21.00		102	CM	Bulk
4-20-20	32669+	4.59	20.98	22.48		105	CM	Bulk
5-27-27	32602	6.05	28.55	28.60		103	CM	Bulk
5-27-27	32603	5.94	28.34	29.15		103	CM	Bulk
5-27-27	32604	6.06	28.59	29.61		104	CM	Bulk
6-31-23	32483	6.72	31.27	24.11		100	CM	Bulk
6-31-23	32484	6.65	30.14	25.25		99	CM	Bulk
6-31-23	32668	6.58	31.59	24.24		101	CM	Bulk
6-31-7	32666+	7.04	32.12	6.99 *		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.14	100.54	101.83				
ALL SAMPLES,CV %		4.34	2.2	5.9				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
AGRI-CHEM, INC. (HOPK) HOPKINSVILLE KY 42240								
10-25-26	34786	9.83	25.80	26.78		100	CM	Bulk
10-26-26	32599	10.28	26.83	27.38		103	CM	Bulk
10-34-00	34210	9.72	33.73	0.00		99	Mnfr	Liq
11-28-15	34213	11.48	27.61	15.79		100	CM	Bulk
12-16-25	35196	12.39	17.11	26.24		102	CM	Bulk
12-24-24	34785	12.57	24.91	22.50 *		99	CM	Bulk
19-19-19	34211	17.53 *	21.51	20.25		102	CM	Bulk
29-12-12	34212	26.52 *	15.46	13.41		103	CM	Bulk
5-49-0	32600	5.62	48.68	0.00		100	CM	Bulk
5-49-0	32601	5.59	48.94	0.00		100	CM	Bulk
9-19-26	35195	10.00	19.72	27.09		102	CM	Bulk
9-24-18	34215+	9.84	24.59	18.78		101	CM	Bulk
9-25-20	34214+	10.68	25.96	19.02		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

AGRI-CHEM, INC. (HOPK) HOPKINSVILLE KY 42240								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.89	103.36	101.24				
ALL SAMPLES,CV %		4.83	6.89	5.07				
NUMBER OF ANALYSIS		13	13	10				
Deficiency Rate = 23.08 %								

AGRI-CHEM, INC. (PRIN) PRINCETON KY 42445								
17-15-20	32488	17.16	18.02	18.10 *		104	CM	Bulk
6-28-26	32487	6.01	28.14	27.92		100	CM	Bulk

AGRI-CHEM, INC. (TRENT) TRENTON KY 42286								
07-33-22	34051	7.12	33.26	21.64		99	CM	Bulk
09-23-24	34049+	8.88	22.46	25.16		101	CM	Bulk
5-27-27	32556	5.72	28.58	28.40		102	CM	Bulk
5-27-27	32557	5.74	28.15	27.23		100	CM	Bulk
5-27-27	32558	6.03	28.84	26.84		101	CM	Bulk
5-27-27	32559	5.83	28.55	26.91		100	CM	Bulk
6-31-21	32571	6.99	33.22	21.77		103	CM	Bulk
6-32-21	32570	6.89	32.66	22.48		100	CM	Bulk
6-32-21	32580	7.25	33.44	21.63		101	CM	Bulk
9-23-30	34050	8.91	21.61	31.64		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.76	100.66	100.16				
ALL SAMPLES,CV %		2.18	3.15	3.62				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

AGRIGRO FARM CTR, INC HARTFORD KY 42347								
09-23-30	34163	8.66	22.69	30.50		99	CM	Bulk
09-23-30	34164	8.24	21.61	31.99		98	CM	Bulk
09-23-30	34483	7.82 *	19.09 *	29.24		89 *	CM	Bulk
09-23-30	34484	7.88 *	19.40 *	29.88		90 *	CM	Bulk
09-23-30	34485	9.73	23.41	28.22 *		100	CM	Bulk
09-23-30	34486	9.52	22.63	30.22		100	CM	Bulk
09-23-30	34487	8.85	21.64	31.58		99	CM	Bulk
09-23-30	34495	9.24	23.03	30.61		101	CM	Bulk
09-23-30	34496	9.34	23.54	29.84		102	CM	Bulk
09-23-30	34497	9.24	22.54	30.85		101	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number of Samples This Grade : 10								
Average Analysis :		8.85	21.96	30.29		97.9		
CV, %		7.7	7.13	3.61				
26-12-14	34498	26.19	11.85	16.70		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

AGRIGRO FARM CTR, INC HARTFORD KY 42347								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.27	95.25	102.04				
ALL SAMPLES,CV %		7.31	6.83	4.84				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 27.27 %								

AGRIPORT TERMINAL EDDYVILLE KY 42038								
00-00-60	32475	0.00	0.00	60.04		100	Mat	Bulk
00-00-60	32758	0.00	0.00	60.08		100	Mat	Bulk
00-00-60	33062	0.00	0.00	60.52		101	Mat	Bulk
00-00-60	34048	0.00	0.00	60.44		101	Mat	Bulk
10-26-26	33293	9.73	25.43	26.08		98	CM	Bulk
10-26-26	33294	9.90	25.84	26.53		100	CM	Bulk
10-26-26	33295	9.53	26.00	26.48		99	CM	Bulk
10-34-00	34209	9.87	33.78	0.00		99	Mnfr	Liq
18-46-00	32474	17.90	46.74	0.00		101	Mat	Bulk
18-46-00	33061	17.90	46.18	0.00		100	Mat	Bulk
18-46-00	34047	17.94	45.77	0.00		100	Mat	Bulk
27-13-13	33290	25.68	13.71	15.69		100	CM	Bulk
27-13-13	33291	26.25	14.60	14.10		101	CM	Bulk
27-13-13	33292	25.74	14.24	15.75		101	CM	Bulk
28-00-00	33416	28.00	0.00	0.00		100	Mat	Liq
3-38-12	32480	4.18	38.11	13.40		101	CM	Bulk
3-38-12	32481	3.70	38.03	13.79		101	CM	Bulk
3-38-12	32482	3.68	38.80	12.13		100	CM	Bulk
32-00-00	33679	32.00	0.00	0.00		100	Mat	Liq
32-00-00	34216	32.00	0.00	0.00		100	Mat	Liq
46-00-00	32757	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	34046	46.12	0.00	0.00		100	Mat	Bulk
46-00-00	34058	46.01	0.00	0.00		100	Mat	Bulk
5-49-0	32642	5.50	48.67	0.00		99	CM	Bulk
5-49-0	32643	5.47	48.97	0.00		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.90	100.46	103.85				
ALL SAMPLES,CV %		3.51	2.27	5.4				
NUMBER OF ANALYSIS		21	15	13				
Deficiency Rate = 0.00 %								

AGRIUM U.S. INC. (DENV) DENVER CO 80237								
00-00-60	32503	0.00	0.00	60.74		101	Mat	Bulk
00-00-60	32504	0.00	0.00	60.98		102	Mat	Bulk

AGRIUM U.S. INC. (REESE) REESE MI 48757-9340								
00-00-00	32497+	0.00	0.00	0.00			Mnfr	Bulk
00-00-00	34438+	0.00	0.00	0.00			Mnfr	Bulk

AGRO DISTRIBUTION, LLC HARDINSBURG KY 40143								
10-26-26	32586	9.66	24.85	26.30		99	CM	Bulk
10-26-26	32587	10.58	27.61	25.47		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AGRO DISTRIBUTION, LLC HARDINSBURG KY 40143								
14-8-13	35254	13.42	8.22	14.56		100	CM	Bulk
16-12-18	35280	16.65	11.95	18.49		98	CM	Bulk
19-10-16	35255	18.67	11.24	16.45		100	CM	Bulk
19-19-19	33584	19.04	20.48	19.77		102	CM	Bulk
19-19-19	33585	18.97	19.75	19.91		101	CM	Bulk
19-19-19	33588	18.58	18.93	20.12		98	CM	Bulk
25-15-15	33586	24.52	15.03	15.81		99	CM	Bulk
25-18-12	33587	24.73	18.13	12.28		98	CM	Bulk
26-14-14	33589	25.24	14.58	14.41		98	CM	Bulk
27-13-13	33582	27.42	13.33	13.19		99	CM	Bulk
27-13-13	33583	27.14	13.40	13.06		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.97	99.41	101.20				
ALL SAMPLES,CV %		2.49	4.16	3.49				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								
ALLEN CO. FARMERS SCOTTSVILLE KY 42164								
12-25-23	33175	12.49	24.87	24.49		100	CM	Bulk
16-17-16	33069	18.17	17.32	18.54		105	CM	Bulk
17-17-17	33067	17.45	17.48	17.33		100	CM	Bulk
17-17-17	33176	18.05	19.28	16.97		103	CM	Bulk
17-27-15	33066	17.40	26.90	15.13		99	CM	Bulk
23-23-10	33063	24.37	22.96	10.43		100	CM	Bulk
23-23-10	33065	23.78	23.07	11.19		100	CM	Bulk
23-23-10	33068	24.52	22.58	10.49		99	CM	Bulk
28-12-12	33070	29.68	13.28	11.46 *		102	CM	Bulk
8-22-29	33064	8.39	21.13	29.30		97	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.99	99.75	101.77				
ALL SAMPLES,CV %		3.01	4.54	5.51				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								
ALLEN CO. FEED/SEED SCOTTSVILLE KY 42164								
19-16-16	33188	19.89	13.93 *	15.74		95 *	CM	Bulk
19-19-19	33179	19.45	19.01	20.35		101	CM	Bulk
19-19-19	33181	20.38	17.23 *	20.24		99	CM	Bulk
19-19-19	33183	17.75 *	21.54	20.05		102	CM	Bulk
19-19-19	33187	19.23	19.26	19.78		100	CM	Bulk
19-21-14	33178	20.49	20.11 *	14.63		99	CM	Bulk
27-21-7	33177	28.85	19.64 *	6.93		100	CM	Bulk
27-21-7	33180	28.96	20.66	6.19 *		100	CM	Bulk
27-21-7	33182	29.15	20.60	6.07 *		100	CM	Bulk
27-21-7	33189	27.04	20.91	7.53		98	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

ALLEN CO. FEED/SEED SCOTTSVILLE KY 42164								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.36	94.92	99.23				
ALL SAMPLES,CV %		4.68	7.54	7.38				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 70.00 %								

ALLENSVILLE CROP SVC. ALLENSVILLE KY 42204								
10-27-24	32517	9.98	26.07	25.87		98	CM	Bulk
15-20-20	32528	13.53 *	24.00	21.54		104	CM	Bulk
26-16-11	33718+	24.35	16.32	13.01		101	CM	Bulk
26-16-11	33719+	25.42	15.53	13.38		102	CM	Bulk
7-34-20	34834	6.81	33.24	22.01		99	CM	Bulk
7-34-20	34835	6.91	34.36	20.32		99	CM	Bulk

AMERICAN PLANT FOOD CREVE COEUR MO 63141								
15-30-15	34014+	16.89	29.41	15.57		103	Mnfr	Bag

ANDERSON CO FARM SVC LAWRENCEBURG KY 40342								
00-00-60	33786	0.00	0.00	60.81		101	Mat	Bulk
18-46-00	33788	17.72	45.80	0.00		99	Mat	Bulk
33-00-00	33787	33.48	0.00	0.00		101	Mat	Bulk

BALLARD COUNTY COOP LACENTER KY 42056								
10-26-25	34419	10.08	27.09	25.70		101	CM	Bulk
14-18-24	34424	13.27	18.58	24.74		100	CM	Bulk
15-17-22	34416	14.76	17.12	23.61		100	CM	Bulk
15-17-22	34417	14.37	17.53	23.50		100	CM	Bulk
15-17-22	34420	14.40	17.83	23.71		101	CM	Bulk
15-17-22	34421	14.27	17.93	23.69		101	CM	Bulk
20-7-16	34422	19.04	7.78	17.62		101	CM	Bulk
7-18-36	34418	6.51	17.67	37.10		99	CM	Bulk
7-18-36	34423	6.60	18.08	37.57		101	CM	Bulk
9-23-30	32630	9.15	23.65	30.74		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.23	101.32	103.88				
ALL SAMPLES,CV %		2.75	1.84	1.43				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

BANDANA AG INC. BANDANA KY 42022								
19-13-18	34427	18.06	13.16	18.80		98	CM	Bulk
19-13-18	34428	17.86	14.82	18.78		101	CM	Bulk
4-12-15	32634	5.57	12.66	16.85		108	CM	Bulk
4-12-15	32635	5.49	12.15	16.69		104	CM	Bulk
5-13-17	32632	5.98	13.33	18.51		105	CM	Bulk
5-13-17	32633	5.79	13.14	18.35		102	CM	Bulk
9-23-30	34425	8.54	23.39	30.12		100	CM	Bulk
9-23-30	34426	8.53	23.27	30.62		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
BANDANA AG INC. BANDANA KY 42022								
9-23-30	34429	8.52	22.57	31.58		100	CM	Bulk
9-23-30	34430	8.81	23.43	30.19		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.86	100.76	103.99				
ALL SAMPLES,CV %		9.83	3.47	2.21				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
BARREN METCALF FARM SUPPLY LLC KNOBLICK KY 42154								
0-0-57	33231+	0.00	0.00	57.97		101	CM	Bulk
00-00-60	32723	0.00	0.00	61.94		103	Mat	Bulk
00-46-00	32725	0.00	46.29	0.00		101	Mat	Bulk
16-4-10	34953	16.15	4.72	10.62		100	CM	Bulk
17-17-17	33233	18.24	17.75	16.55		101	CM	Bulk
18-18-18	33238	18.08	19.48	19.60		100	CM	Bulk
18-46-00	32722	17.84	46.21	0.00		100	Mat	Bulk
19-19-19	33235	18.62	19.85	20.87		101	CM	Bulk
19-19-19	33236	19.19	20.18	20.00		102	CM	Bulk
19-19-19	33237	18.51	19.90	21.24		102	CM	Bulk
21-15-20	33239	21.73	15.60	20.31		102	CM	Bulk
21-15-20	33240	21.69	16.12	20.10		103	CM	Bulk
22-8-12	34954	22.62	7.99	12.76		100	CM	Bulk
34-00-00	32720	34.40	0.00	0.00		101	Mat	Bulk
34-00-00	32721	33.39	0.00	0.00		98	Mat	Bulk
4-12-41	33232+	4.98	12.79	40.62		99	CM	Bulk
46-00-00	32724	46.20	0.00	0.00		100	Mat	Bulk
5-21-32	33234	5.59	21.16	33.60		102	CM	Bulk
9-18-27	34952	8.88	18.44	27.70		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.66	101.27	102.28				
ALL SAMPLES,CV %		2.85	2.3	3.73				
NUMBER OF ANALYSIS		16	14	14				
Deficiency Rate = 0.00 %								
BAYER ADVANCED LLC BIRMINGHAM AL 35242								
30-03-04	34013	30.82	3.81	4.68		106	Blend	Bag
30-03-05	33390+	33.62	3.77	4.52 *		111	Blend	Bag
30-03-05	34799+	29.72	3.78	5.44		102	Blend	Bag
30-03-05	34804+	29.40	3.40	5.91		101	Blend	Bag
30-03-05	34805+	30.34	3.68	5.21		103	Blend	Bag
30-03-05	34806+	28.37 *	3.52	6.24		99	Blend	Bag
Statistical Analysis for Grade : 30-03-05								
Number of Samples This Grade : 5								
Average Analysis :		30.29	3.63	5.46		103.5		
CV, %		6.59	4.56	12.17				
BIG RIVERS AGRI SUPPLY OWENSBORO KY 42304								
07-14-07	34775	7.10	14.07	7.54		102	Mnfr	Liq
26-00-00	32460+	25.29	0.00	0.00		97	Mnfr	Liq

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

BIG RIVERS AGRI SUPPLY		OWENSBORO KY 42304						
26-00-00	32461+	25.90	0.00	0.00		100	Mnfr	Liq

BLOOMFIELD FERT/CHEM		BLOOMFIELD KY 40008-0370						
00-00-60	33760	0.00	0.00	60.83		101	Mat	Bulk
11-11-11	33766	11.42	11.23	11.76		97	CM	Bulk
18-18-18	33764	17.76	19.01	18.80		100	CM	Bulk
18-46-00	33759	17.61	46.21	0.00		100	Mat	Bulk
19-19-19	33762	18.64	18.14	20.92		98	CM	Bulk
21-13-21	33768	20.68	13.27	21.93		99	CM	Bulk
28-0-21	33763	26.99	0.00	23.04		99	CM	Bulk
30-0-20	33761	29.24 *	0.00	22.22		100	CM	Bulk
30-0-20	33767	30.12	0.00	20.74		100	CM	Bulk
36-6-6	33770	36.13	6.84	7.71		100	CM	Bulk
46-00-00	33758	45.71	0.00	0.00		99	Mat	Bulk
6-16-38	33769	6.82	17.08	36.98		100	CM	Bulk
9-0-48	33765	8.65	0.00	49.55		101	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.26	100.09	104.71				
ALL SAMPLES,CV %		2.77	3.82	5.4				
NUMBER OF ANALYSIS		12	7	11				
Deficiency Rate = 7.69 %								

BLUEGRASS SEED/FERT INC.		BARDSTOWN KY 40004						
00-00-60	34304	0.00	0.00	59.30		99	Mat	Bulk
14-5-17	35167	16.18	5.45	17.16		105	CM	Bulk
18-46-00	34305	17.39	45.35	0.00		98	Mat	Bulk
20-7-11	35168	20.68	7.16	11.88		103	CM	Bulk
46-00-00	34306	46.08	0.00	0.00		100	Mat	Bulk
7-19-34	35166	7.65	19.54	33.24		98	CM	Bulk

BOYD FARM CTR.		CROFTON KY 42217						
18-18-18	34207	18.19	18.15	20.54		99	CM	Bulk
19-19-19	33616	17.65	19.49	21.31		100	CM	Bulk
22-16-17	33615	21.47	17.46	17.53		99	CM	Bulk
24-16-15	34208	23.30	17.04	16.81		102	CM	Bulk
8-20-33	34787	7.74	20.62	32.80		99	CM	Bulk

BRYANT, OTIS & SON		CANEYVILLE KY 42721						
19-19-19	33327	18.35	19.11	19.99		98	CM	Bulk
19-19-19	33328	18.73	19.16	20.30		100	CM	Bulk
19-19-19	33329	18.14	19.70	20.80		100	CM	Bulk
19-19-19	33331	18.49	19.37	21.20		101	CM	Bulk
19-19-19	33332	18.44	19.11	19.65		98	CM	Bulk
19-19-19	33400	18.53	20.88	18.33		100	CM	Bulk
19-19-19	33402	20.61	18.92	17.72 *		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
BRYANT, OTIS & SON CANEYVILLE KY 42721								
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 7								
Average Analysis :		18.76	19.46	19.71		99.5		
CV, %		4.46	3.45	6.46				
24-14-14	33330	23.03	14.67	16.52		99	CM	Bulk
24-14-14	33399	23.46	15.17	14.79		99	CM	Bulk
24-14-14	33401	24.95	14.96	13.70		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.89	100.76	102.20				
ALL SAMPLES,CV %		4.16	2.95	6.94				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								
BURKESVILLE FERTILIZER CO. BURKESVILLE KY 42717								
00-00-60	32937	0.00	0.00	60.62		101	Mat	Bulk
11-14-31	33686	11.21	13.52	31.90		98	CM	Bulk
14-23-22	33682	13.40	21.95	24.32		98	CM	Bulk
17-16-19	33687	16.23	15.73	21.12		99	CM	Bulk
17-16-19	33689	17.01	15.81	19.03		98	CM	Bulk
17-17-17	33681	16.48	17.97	18.96		100	CM	Bulk
17-17-17	33684	18.31	15.88 *	17.91		97	CM	Bulk
18-18-18	33690	17.93	18.38	19.16		100	CM	Bulk
18-46-00	32936	17.41	45.73	0.00		99	Mat	Bulk
19-19-19	33683	18.52	19.18	19.75		98	CM	Bulk
19-19-19	33685	18.88	18.94	19.80		99	CM	Bulk
27-13-13	33688	26.01	14.05	14.30		99	CM	Bulk
34-00-00	32938	34.21	0.00	0.00		102	Mat	Bulk
46-00-00	32935	45.25	0.00	0.00		98	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.23	97.52	103.52				
ALL SAMPLES,CV %		3.53	3.93	3.16				
NUMBER OF ANALYSIS		13	11	11				
Deficiency Rate = 7.14 %								
C F FARM SUPPLY, INC. HISEVILLE KY 42152								
12-8-15	34956+	11.79	8.89	16.28		99	CM	Bulk
15-22-5	34955	15.57	22.42	5.75		101	CM	Bulk
17-17-17	33301	20.78	18.97	17.59		109	CM	Bulk
18-46-00	32728	17.90	46.19	0.00		100	Mat	Bulk
18-5-19	34943+	18.08	5.04	20.37		101	CM	Bulk
19-19-18	33241	19.90	18.84	20.54		101	CM	Bulk
21-15-20	33246	21.36	14.81	21.24		101	CM	Bulk
21-15-20	33302	20.68	14.89	20.52		98	CM	Bulk
23-11-11	33303	23.84	10.70 *	11.26		98	CM	Bulk
26-12-16	33245	26.42	11.34	17.23		100	CM	Bulk
27-13-13	33756	27.00	13.51	13.57		99	CM	Bulk
34-00-00	32727	34.00	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
C F FARM SUPPLY, INC. HISEVILLE KY 42152								
46-00-00	32729	46.20	0.00	0.00		100	Mat	Bulk
7-19-33	33243+	7.82	19.87	32.71		101	CM	Bulk
7-19-33	33244+	9.23	18.97	32.26		101	CM	Bulk
9-24-24	33242+	9.32	24.55	26.94		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.65	97.93	102.94				
ALL SAMPLES,CV %		6.9	4.07	3.98				
NUMBER OF ANALYSIS		16	14	13				
Deficiency Rate = 6.25 %								
CAMERON CHEMICALS, INC. PORTSMOUTH VA 23704								
00-00-00	32997+	0.00	0.00	0.00			Mat	Bag
00-00-00	33269+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	34842+	0.00	0.00	0.00			Blend	Bag
00-00-00	34920+	0.00	0.00	0.00			Blend	Bag
02-00-00	33086+	3.64	0.00	0.00		182	Mnfr	Bulk
02-00-00	33462+	2.54	0.00	0.00		127	Mnfr	Bulk
CAMPBELLSVILLE CROP SVC. CAMPBELLSVILLE KY 42719								
17-17-17	34830	19.38	15.95 *	15.90 *		98	CM	Bulk
17-17-17	34831	18.40	15.79 *	17.83		98	CM	Bulk
17-17-17	34838	17.83	16.70	18.19		99	CM	Bulk
17-6-9	34837	16.72	6.17	8.76		95 *	CM	Bulk
19-0-10	34832	18.48	0.00	10.27		97	CM	Bulk
19-0-10	34833	19.32	0.00	10.29		100	CM	Bulk
CARGILL RIVERVIEW FL 33569								
00-00-50	35112	0.00	0.00	50.46		101	Mat	Bulk
00-00-60	32985	0.00	0.00	60.23		100	Mat	Bulk
18-46-00	32869	17.78	46.57	0.00		101	Mat	Bulk
46-00-00	32868	46.02	0.00	0.00		100	Mat	Bulk
46-00-00	32951	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	33260	46.03	0.00	0.00		100	Mat	Bulk
46-00-00	33497	45.84	0.00	0.00		100	Mat	Bulk
CASH VARIETY STORE LORETTO KY 40037								
00-00-60	34248	0.00	0.00	60.85		101	Mat	Bulk
18-46-00	34247	17.67	45.84	0.00		99	Mat	Bulk
19-19-19	34243	19.03	18.48	20.01		98	CM	Bulk
19-19-19	34245	19.38	20.08	18.38		100	CM	Bulk
19-19-19	34250	19.42	19.76	19.01		100	CM	Bulk
26-13-13	34240	26.48	13.66	14.40		99	CM	Bulk
29-11-11	34246	29.60	11.75	12.05		100	CM	Bulk
33-7-10	34244	33.12	7.49	10.59		99	CM	Bulk
34-8-8	34242	33.92	8.36	8.63		99	CM	Bulk
46-00-00	34249	46.08	0.00	0.00		100	Mat	Bulk
7-18-35	34241	7.15	18.22	35.77		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CASH VARIETY STORE LORETTO KY 40037								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.74	98.91	101.82				
ALL SAMPLES,CV %		1.06	2.59	3.02				
NUMBER OF ANALYSIS		10	9	9				
Deficiency Rate = 0.00 %								
CAYCE THOMAS FARM SUPP. PRINCETON KY 42445								
00-00-60	32893	0.00	0.00	59.16		99	Mat	Bulk
18-46-00	32891	17.70	46.01	0.00		100	Mat	Bulk
18-46-00	32892	17.88	46.25	0.00		100	Mat	Bulk
21-17-17	33286	20.92	17.87	18.78		100	CM	Bulk
21-17-17	33287	20.74	17.62	18.63		99	CM	Bulk
21-17-17	33288	20.34	18.23	18.96		100	CM	Bulk
34-00-00	32889	32.93	0.00	0.00		97	Mat	Bulk
46-00-00	32890	45.87	0.00	0.00		100	Mat	Bulk
5-26-30	32644	5.25	27.29	31.68		104	CM	Bulk
5-26-30	32645	5.47	26.47	31.97		103	CM	Bulk
5-27-28	32489	5.81	27.17	27.19		98	CM	Bulk
5-27-28	32490	5.91	27.74	28.47		101	CM	Bulk
5-27-28	32491	5.86	27.89	28.22		101	CM	Bulk
9-23-30	32514	8.81	22.84	31.88		102	CM	Bulk
9-25-25	33289	9.90	24.91	26.46		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.42	100.51	102.93				
ALL SAMPLES,CV %		1.9	1.93	3.37				
NUMBER OF ANALYSIS		14	12	11				
Deficiency Rate = 0.00 %								
CECILIA FARM SVC INC. CECILIA KY 42724								
00-00-60	33089	0.00	0.00	59.01		98	Mat	Bulk
19-19-18	33830	18.52	19.58	19.50		98	CM	Bulk
19-19-19	33832	18.65	18.36	20.21		98	CM	Bulk
19-19-19	33838	18.94	19.01	19.65		99	CM	Bulk
19-19-19	33961	18.73	19.66	20.03		100	CM	Bulk
21-17-17	33831	20.55	17.66	18.31		98	CM	Bulk
22-17-16	33835	22.43	16.57	17.37		101	CM	Bulk
25-14-15	33836	23.81	15.25	16.26		99	CM	Bulk
25-15-14	33837	24.99	14.84	14.66		98	CM	Bulk
25-15-15	33834	24.97	15.02	14.82		99	CM	Bulk
27-14-14	33833	26.60	13.67	14.16		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.81	98.58	102.69				
ALL SAMPLES,CV %		1.95	1.97	3.11				
NUMBER OF ANALYSIS		10	10	11				
Deficiency Rate = 0.00 %								
CEN FARMERS SUP. OF GREEN GREENSBURG KY 42743								
15-6-10	35135	14.35	6.93	11.77		104	CM	Bulk
17-12-19	35183	16.33	13.33	20.23		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CEN FARMERS SUP. OF GREEN GREENSBURG KY 42743								
17-17-17	33740	16.43	17.68	20.00		100	CM	Bulk
17-17-17	33741	16.78	16.96	19.14		98	CM	Bulk
17-17-17	33745	16.61	16.92	19.22		98	CM	Bulk
17-17-17	33748	16.81	16.81	19.17		98	CM	Bulk
17-17-17	33749	16.64	17.15	19.12		98	CM	Bulk
Statistical Analysis for Grade : 17-17-17								
Number of Samples This Grade : 5								
Average Analysis :		16.65	17.10	19.33		98.3		
CV, %		0.91	2.02	1.95				
19-19-19	33743	18.82	18.67	20.07		98	CM	Bulk
20-14-14	33742	18.99 *	14.21	17.01		99	CM	Bulk
23-11-11	33744	21.37 *	11.26	14.53		99	CM	Bulk
26-8-8	33746	25.32	7.47	9.34		97	CM	Bulk
28-13-13	33747	27.81	12.07	13.84		98	CM	Bulk
9-18-27	35134	9.03	14.37 *	30.99		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		94.81	95.55	110.99				
ALL SAMPLES,CV %		2.39	6.93	5.14				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 23.08 %								
CHEMSICO, DIV OF UNITED INDUSTRIES ST. LOUIS MO 63114								
10-10-10	34802	10.50	12.10	10.31		111	Blend	Bag
CLEMENTS AG SUPP. SPRINGFIELD KY 40069								
0-0-58	34043+	0.00	0.00	59.41		102	CM	Bulk
00-00-60	35418	0.00	0.00	60.98		102	Mat	Bulk
18-46-00	35420	17.71	45.62	0.00		99	Mat	Bulk
19-19-19	34039	18.82	18.53	20.96		99	CM	Bulk
20-6-28	34045	19.94	4.56 *	31.15		99	CM	Bulk
25-0-26	34041	21.47 *	0.00	32.88		100	CM	Bulk
27-0-14	34727	29.10	0.00	15.29		105	CM	Bulk
30-0-20	34040	30.45	0.00	20.47		100	CM	Bulk
32-0-18	34044	32.97	0.00	17.61		101	CM	Bulk
32-9-9	34042	32.06	10.08	10.96		101	CM	Bulk
46-00-00	35419	45.86	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.95	93.20	106.90				
ALL SAMPLES,CV %		5.84	12.67	7.12				
NUMBER OF ANALYSIS		9	4	9				
Deficiency Rate = 18.18 %								
CORBIN FARM/GARDEN CTR. CORBIN KY 40701								
06-12-12	34332	6.43	10.88 *	12.54		98	Blend	Bag
10-10-10	34334	8.71 *	9.20	10.86		96 *	Blend	Bag
19-19-19	34333	18.22	18.98	19.37		99	Blend	Bag
CRITTENDEN FARM SUPP. MARION KY 42064								

00-00-60	35380	0.00	0.00	59.19	99	Mat	Bulk
15-19-24	35376	15.86	20.34	23.47	101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CRITTENDEN FARM SUPP. MARION KY 42064								
15-19-24	35377	15.76	19.87	24.03		100	CM	Bulk
18-46-00	35379	17.89	45.84	0.00		100	Mat	Bulk
46-00-00	35378	45.91	0.00	0.00		100	Mat	Bulk
CROP PRODUCTION SVC INC (CAD) CADIZ KY 42211								
07-17-17	35194+	8.05	18.73	18.49		111	CM	Bulk
14-36-12	33296	14.13	37.13	11.92		100	CM	Bulk
14-36-12	33297	13.88	36.97	12.93		100	CM	Bulk
6-16-16	32588	6.85	16.58	17.57		104	CM	Bulk
6-16-16	32589	6.66	15.49	16.24		97	CM	Bulk
6-16-16	32590	7.07	16.91	18.22		107	CM	Bulk
CROP PRODUCTION SVC INC (CLA) CLARKSON KY 42726								
13-8-13	35216+	12.59	9.01	13.85		100	CM	Bulk
17-13-21	35217	17.30	13.60	22.45		101	CM	Bulk
18-18-19	33409	17.68	19.12	18.48		100	CM	Bulk
19-19-20	33447	19.13	18.09	20.73		99	CM	Bulk
19-19-20	33549	18.77	18.36	21.70		100	CM	Bulk
19-19-20	33550	18.84	18.99	21.04		101	CM	Bulk
19-19-20	33551	18.94	18.88	20.96		101	CM	Bulk
19-19-20	33552	19.15	18.20	21.23		100	CM	Bulk
19-19-20	33553	18.81	18.55	21.34		100	CM	Bulk
Statistical Analysis for Grade : 19-19-20								
Number of Samples This Grade : 6								
Average Analysis :		18.94	18.51	21.17		100.1		
CV, %		0.87	1.97	1.59				
2-16-29	32532	2.79	15.80	30.38		102	CM	Bulk
2-16-29	32533	2.66	16.02	31.13		103	CM	Bulk
35-0-11	35193	35.89	0.00	12.11		102	CM	Bulk
9-23-30	32534	8.84	23.15	29.02		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.36	99.19	103.54				
ALL SAMPLES,CV %		4.05	2.97	3.32				
NUMBER OF ANALYSIS		13	12	13				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (CLA) CLAY KY 42404-2167								
8-21-32	34185	8.25	21.76	32.43		101	CM	Bulk
8-22-30	34187	8.51	22.87	30.13		99	CM	Bulk
9-23-30	34183	8.77	22.56	30.58		99	CM	Bulk
9-23-30	34184	8.97	23.28	31.36		102	CM	Bulk
9-23-30	34186	8.84	22.80	31.36		101	CM	Bulk
9-23-30	34188	8.48	22.37	31.88		100	CM	Bulk
CROP PRODUCTION SVC INC (GAL) GALESBURG IL 61402-1467								
00-00-50	34649	0.00	0.00	50.91		102	Mat	Bulk
00-00-50	34946	0.00	0.00	50.24		100	Mat	Bulk
00-00-60	32495	0.00	0.00	58.97		98	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (GAL) GALESBURG IL 61402-1467								
00-00-60	32719	0.00	0.00	60.66		101	Mat	Bulk
00-00-60	32737	0.00	0.00	59.10		98	Mat	Bulk
00-00-60	32754	0.00	0.00	60.31		100	Mat	Bulk
00-00-60	32772	0.00	0.00	61.83		103	Mat	Bulk
00-00-60	32896	0.00	0.00	60.64		101	Mat	Bulk
00-00-60	32924	0.00	0.00	60.40		101	Mat	Bulk
00-00-60	33041	0.00	0.00	61.19		102	Mat	Bulk
00-00-60	33049	0.00	0.00	59.55		99	Mat	Bulk
00-00-60	33056	0.00	0.00	60.42		101	Mat	Bulk
00-00-60	34191	0.00	0.00	60.43		101	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 11								
Average Analysis :		0.00	0.00	60.32		100.5		
CV, %		0	0	1.41				
00-46-00	32496	0.00	41.94 *	0.00		90 *	Mat	Bulk
00-46-00	32923	0.00	46.37	0.00		101	Mat	Bulk
11-52-00	33040	10.91	51.95	0.00		100	Mat	Bulk
11-52-00	33048	11.01	51.98	0.00		100	Mat	Bulk
18-46-00	32494	18.16	45.76	0.00		100	Mat	Bulk
18-46-00	32718	17.79	46.29	0.00		100	Mat	Bulk
18-46-00	32736	17.80	46.28	0.00		100	Mat	Bulk
18-46-00	32756	17.49	46.32	0.00		100	Mat	Bulk
18-46-00	32773	17.97	45.86	0.00		100	Mat	Bulk
18-46-00	32894	17.89	46.16	0.00		100	Mat	Bulk
18-46-00	32922	17.75	46.52	0.00		100	Mat	Bulk
18-46-00	33039	17.89	45.99	0.00		100	Mat	Bulk
18-46-00	33047	17.59	46.52	0.00		100	Mat	Bulk
18-46-00	33055	17.93	45.62	0.00		99	Mat	Bulk
18-46-00	34190	18.14	46.03	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 11								
Average Analysis :		17.85	46.12	0.00		100.0		
CV, %		1.14	0.65	0				
28-00-00	33341	28.00	0.00	0.00		100	Mat	Liq
28-00-00	35233	28.00	0.00	0.00		100	Mat	Liq
32-00-00	34783	32.00	0.00	0.00		100	Mat	Liq
34-00-00	33054	34.40	0.00	0.00		101	Mat	Bulk
46-00-00	32717	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32735	45.96	0.00	0.00		100	Mat	Bulk
46-00-00	32755	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32759	46.14	0.00	0.00		100	Mat	Bulk
46-00-00	32774	45.94	0.00	0.00		100	Mat	Bulk
46-00-00	32895	45.76	0.00	0.00		99	Mat	Bulk
46-00-00	32921	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	33038	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	33046	45.49	0.00	0.00		99	Mat	Bulk
46-00-00	34189	46.19	0.00	0.00		100	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 : 46-00-00								
Number of Samples This Grade : 10								
Average Analysis :		46.03	0.00	0.00		100.1		
CV, %		0.53	0	0				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.71	99.65	100.63				
ALL SAMPLES,CV %		0.93	2.42	1.33				
NUMBER OF ANALYSIS		27	15	13				
Deficiency Rate = 2.38 %								
CROP PRODUCTION SVC INC (HEN) HENDERSON KY 42420								
15-17-26	34179	14.53	17.24	27.74		100	CM	Bulk
3-16-40	32565	3.69	17.28	41.17		104	CM	Bulk
6-15-40	32563	3.72 *	17.12	40.66		100	CM	Bulk
6-15-40	32564	3.61 *	17.08	41.66		101	CM	Bulk
8-21-32	34729	8.71	22.49	31.02		102	CM	Bulk
9-23-30	34778	8.60	21.82	31.78		99	CM	Bulk
9-23-30	34779	8.72	23.30	30.09		100	CM	Bulk
9-23-30	34780	9.29	24.08	28.91		101	CM	Bulk
9-23-30	34781	9.00	22.83	29.18		99	CM	Bulk
9-23-30	34782	8.72	23.70	30.12		101	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 5								
Average Analysis :		8.87	23.15	30.02		100.0		
CV, %		3.15	3.78	3.74				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		92.43	103.36	101.15				
ALL SAMPLES,CV %		18.62	5.13	3.57				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 20.00 %								
CROP PRODUCTION SVC INC (HOD) HODGENVILLE KY 42748								
0-14-14	32585	0.00	15.33	14.67		103	CM	Bulk
19-13-21	33323	19.44	13.58	22.61		100	CM	Bulk
19-19-19	33318	18.50	19.56	19.29		99	CM	Bulk
19-19-19	33319	18.49	18.73	19.58		97	CM	Bulk
19-19-19	33321	18.27	18.56	20.15		97	CM	Bulk
19-8-13	34958	18.29	8.99	14.23		99	CM	Bulk
20-10-20	34948+	19.64	11.52	20.14		101	CM	Bulk
20-16-20	33317	20.01	17.32	19.85		100	CM	Bulk
22-0-30	33316	22.36	0.00	29.90		98	CM	Bulk
27-11-13	33320	26.55	11.96	14.24		99	CM	Bulk
5-14-15	32584	6.70	15.46	15.47		106	CM	Bulk
5-17-35	33322+	5.75	17.76	35.37		100	CM	Bulk
9-18-27	34947	9.10	20.19	27.00		101	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		98.28	102.47	101.16				
ALL SAMPLES,CV %		5.95	5.02	2.63				
NUMBER OF ANALYSIS		12	12	13				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (HOR) HORSECAVE KY 42749								
10-10-35	33753+	10.12	9.90	36.83		100	CM	Bulk
10-26-25	33095	9.67	25.54	27.46		100	CM	Bulk
10-27-23	32996	10.83	28.26	23.19		100	CM	Bulk
16-18-18	34944+	16.76	18.82	17.94		100	CM	Bulk
19-11-18	34957+	18.93	12.24	19.57		101	CM	Bulk
20-12-19	34945+	18.18 *	11.08	21.68		101	CM	Bulk
23-15-16	33754	23.98	15.19	16.48		99	CM	Bulk
4-12-41	33751+	5.03	12.55	41.53		101	CM	Bulk
5-13-39	33755+	5.02	13.64	40.62		101	CM	Bulk
5-14-38	33752+	5.79	14.34	39.09		101	CM	Bulk
6-13-38	33750+	7.06	13.72	37.17		101	CM	Bulk
8-20-31	33088	8.84	20.11	31.55		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.79	99.17	102.21				
ALL SAMPLES,CV %		5.54	3.7	4.3				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 8.33 %								
CROP PRODUCTION SVC INC (MAD) MADISONVILLE KY 42431								
27-12-13	35231	26.59	11.86	15.68		98	CM	Bulk
27-12-13	35232	25.46 *	11.41 *	17.40		97	CM	Bulk
9-23-30	35269	8.30	22.64	30.67		99	CM	Bulk
9-23-30	35270	8.30	22.85	31.09		100	CM	Bulk
9-23-30	35275	8.68	23.25	29.73		100	CM	Bulk
9-23-30	35276	8.69	23.07	29.26		99	CM	Bulk
CROP PRODUCTION SVC INC (MOR) MORGANFIELD KY 42437								
10-26-26	33919	9.98	25.30	26.89		99	CM	Bulk
10-26-26	33920	9.80	25.57	25.77		98	CM	Bulk
10-26-26	33924	9.58	24.97	27.34		98	CM	Bulk
13-26-20	33921	13.23	26.25	19.42		99	CM	Bulk
8-21-32	33917	8.08	22.03	32.38		101	CM	Bulk
8-21-32	33918	7.89	21.09	33.17		100	CM	Bulk
8-21-32	33922	8.06	21.57	32.48		100	CM	Bulk
8-21-32	33923	8.12	22.17	31.87		101	CM	Bulk
8-21-32	33925	7.67	21.42	32.78		100	CM	Bulk
8-21-32	33926	7.98	21.77	33.10		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (MOR) MORGANFIELD KY 42437								
Statistical Analysis for Grade : 8-21-32								
Number of Samples This Grade : 6								
Average Analysis :		7.97	21.68	32.63		100.5		
CV, %		2.09	1.84	1.5				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.94	99.87	101.19				
ALL SAMPLES,CV %		2.46	2.5	2.95				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (PEM) PEMBROKE KY 42266								
00-29-15	33338+	0.00	30.60	14.65		104	CM	Bulk
11-29-21	33340	11.11	30.42	20.93		101	CM	Bulk
11-29-21	33344	11.12	29.35	22.18		100	CM	Bulk
29-10-12	33339	29.49	10.76	13.27		100	CM	Bulk
35-17-0	33337	34.73	17.28	0.00		98	CM	Bulk
35-17-0	33342	34.31	18.42	0.00		100	CM	Bulk
35-17-0	33343	34.70	17.76	0.00		99	CM	Bulk
7-18-27	32594+	7.05	19.15	29.51		103	CM	Bulk
8-31-22	32595	8.20	31.70	22.91		101	CM	Bulk
9-28-24	32596	9.60	28.44	24.92		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.32	100.98	101.76				
ALL SAMPLES,CV %		1.22	2.63	3.21				
NUMBER OF ANALYSIS		9	10	7				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (RUS) RUSSELLVILLE KY 42276								
09-23-22	33737+	8.99	22.34	22.48		98	CM	Bulk
11-30-20	32520	11.29	29.72	21.82		99	CM	Bulk
11-30-20	32522	11.43	29.47	21.14		98	CM	Bulk
11-30-20	32523	11.39	31.43	21.25		102	CM	Bulk
12-31-18	32511	11.79	30.31	19.74		98	CM	Bulk
12-31-18	32521	11.96	31.15	20.34		100	CM	Bulk
12-31-18	32524	11.61	30.58	19.72		98	CM	Bulk
12-31-18	32525	11.50	29.80 *	20.86		98	CM	Bulk
12-31-18	32535	11.51	30.55	20.55		99	CM	Bulk
Statistical Analysis for Grade : 12-31-18								
Number of Samples This Grade : 5								
Average Analysis :		11.67	30.48	20.24		98.5		
CV, %		1.69	1.61	2.49				
15-13-14	34648+	14.77	12.32	13.65		99	CM	Bulk
18-18-19	32510	18.55	19.38	18.91		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (RUS) RUSSELLVILLE KY 42276								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.86	97.91	105.17				
ALL SAMPLES,CV %		2.25	2.95	3.43				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
CROP PRODUCTION SVC INC (WAV) WAVERLY KY 42462								
10-27-23	34181	10.30	27.17	25.77		100	CM	Bulk
5-14-18	32567	5.95	13.47 *	19.02		97	CM	Bulk
5-14-18	32568	5.91	13.00 *	22.35		102	CM	Bulk
5-14-18	32569	6.79	14.92	20.31		107	CM	Bulk
6-15-20	32566	7.35	17.65	24.48		119	CM	Bulk
7-19-33	33927+	7.06	19.01	34.36		99	CM	Bulk
7-19-33	33928+	7.52	19.67	33.91		100	CM	Bulk
8-22-30	33930	8.58	23.22	30.91		101	CM	Bulk
8-22-30	34182	9.47	24.71	28.17 *		103	CM	Bulk
9-23-30	33929	8.07 *	21.38 *	31.34		97 *	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.70	99.82	105.87				
ALL SAMPLES,CV %		10.68	7.75	8.12				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 40.00 %								
CUB RUN MILLING CO. CUB RUN KY 42729								
12-24-24	33325	12.19	24.08	24.64		99	CM	Bulk
13-9-14	34951+	13.50	8.69	14.22		99	CM	Bulk
14-14-19	34166+	14.15	14.18	20.29		100	CM	Bulk
14-14-20	34167+	14.49	15.20	20.37		103	CM	Bulk
15-13-20	34942	14.84	12.75	21.89		101	CM	Bulk
15-15-15	33216	15.94	15.97	17.15		102	CM	Bulk
17-17-17	33326	17.35	17.26	18.93		100	CM	Bulk
19-19-19	33091	19.21	20.88	19.31		103	CM	Bulk
19-19-19	33652	18.73	19.06	20.59		100	CM	Bulk
19-19-19	33757	19.15	20.15	18.30		100	CM	Bulk
19-19-19	33964	18.73	20.19	19.59		101	CM	Bulk
4-9-14	35191	5.13	10.77	14.45		105	CM	Bulk
6-26-25	33819	6.37	26.50	26.11		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.75	101.88	102.10				
ALL SAMPLES,CV %		2.45	4.73	3.5				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								
DABNEY FEED SUPP BROADHEAD KY 40409								
14-14-14	33990	16.63	14.25	15.04		104	CM	Bulk
15-18-20	33985	16.89	18.42	19.62		100	CM	Bulk
18-18-18	33989	18.18	17.82	19.94		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
DABNEY FEED SUPP. BRODHEAD KY 40409								
19-19-19	33986	19.26	17.99	20.92		101	CM	Bulk
19-19-19	33988	18.48	18.16	21.34		100	CM	Bulk
19-19-19	33992	18.54	18.86	20.96		101	CM	Bulk
19-19-19	33994	19.64	19.09	20.24		103	CM	Bulk
27-12-13	33993	27.76	12.92	14.13		101	CM	Bulk
32-9-10	33984	32.19	8.92	10.82		99	CM	Bulk
9-23-30	33991	8.45	22.62	30.43		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.94	97.68	105.83				
ALL SAMPLES,CV %		5.18	2.52	4.62				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
DABNEY FEED SUPP. SOMERSET KY 42503								
00-00-60	33105	0.00	0.00	60.12		100	Mat	Bulk
00-00-60	33110	0.00	0.00	60.40		101	Mat	Bulk
18-46-00	33103	17.48	45.59	0.00		99	Mat	Bulk
18-46-00	33108	17.54	46.05	0.00		99	Mat	Bulk
34-00-00	33104	33.95	0.00	0.00		100	Mat	Bulk
34-00-00	33109	34.27	0.00	0.00		101	Mat	Bulk
46-00-00	33102	45.83	0.00	0.00		100	Mat	Bulk
46-00-00	33111	45.56	0.00	0.00		99	Mat	Bulk
DRAKES FARM SVC. MORGANTOWN KY 42261-0308								
19-15-15	34172	20.36	15.74	15.98		101	CM	Bulk
19-19-19	34052	20.07	20.17	18.54		102	CM	Bulk
19-19-19	34053	19.37	18.87	20.27		100	CM	Bulk
19-19-19	34616	19.24	19.95	19.70		101	CM	Bulk
23-15-15	34615	24.15	15.53	15.11		100	CM	Bulk
24-15-16	34614	23.73	16.05	16.07		100	CM	Bulk
25-14-14	35219	25.96	14.77	15.20		101	CM	Bulk
25-14-14	35220	26.61	14.44	14.30		101	CM	Bulk
26-10-16	35221	28.11	9.54	16.22		100	CM	Bulk
7-18-36	35218	7.01	17.71	35.77		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.30	99.26	99.43				
ALL SAMPLES,CV %		2.06	2.89	3.18				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
EARTHWORKS MARTINS CREEK PA 18063								
05-04-05	32743+	5.86	3.87	5.18		107	Blend	Bag
ELKTON CROP SVC. GUTHRIE KY 42234								
10-24-26	33735+	9.10	23.95	25.85		98	CM	Bulk
10-27-24	32579	11.27	29.48	21.94 *		102	CM	Bulk
10-27-24	33723	10.29	26.92	24.74		99	CM	Bulk
10-27-24	33731	10.29	26.89	24.23		98	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
ELKTON CROP SVC. GUTHRIE KY 42234								
10-27-24	33732	10.62	27.23	24.41		99	CM	Bulk
19-19-19	33730	18.05	17.48 *	22.49		97	CM	Bulk
5-27-27	33733	6.07	28.26	27.79		104	CM	Bulk
8-21-13	32572	7.98	21.11	10.51 *		94 *	CM	Bulk
8-21-13	32573	8.33	22.06	15.50		105	CM	Bulk
9-23-30	33734	8.64	22.78	30.15		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.55	99.41	100.41				
ALL SAMPLES,CV %		5.43	4.61	10.74				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 30.00 %								
ESPOMA CO. MILLVILLE NJ 08332								
03-05-07	34460+	3.94	6.50	6.37 *		117	Blend	Bag
04-06-04	34456+	5.73	4.94 *	5.40		111	Blend	Bag
04-07-10	34458+	5.40	7.70	7.31 *		103	Blend	Bag
05-03-03	34457+	5.76	4.12	3.72		124	Blend	Bag
06-06-04	34459+	7.00	5.46	2.89 *		98	Blend	Bag
FAIRPLAY FERTILIZER GLENSFORK KY 42741								
19-19-19	33802	18.38	19.08	21.22		102	CM	Bulk
19-19-19	33805	17.91	20.15	20.86		103	CM	Bulk
25-11-17	33804	24.46	11.94	19.07		101	CM	Bulk
27-13-13	33801	26.13	14.02	15.44		101	CM	Bulk
27-13-13	33806	26.25	14.56	14.60		101	CM	Bulk
34-00-00	33002	34.27	0.00	0.00		101	Mat	Bulk
46-00-00	33010	46.09	0.00	0.00		100	Mat	Bulk
6-25-25	33803+	6.83	22.79 *	26.76		101	CM	Bulk
FARMERS CO-OP MIDWAY MURRAY KY 42071								
14-16-24	34488	12.89 *	17.42	26.32		101	CM	Bulk
16-15-20	33515	16.62	16.70	22.38		104	CM	Bulk
20-12-15	33514	21.13	12.19	16.44		102	CM	Bulk
24-9-12	34985	22.94	10.41	13.14		102	CM	Bulk
24-9-12	34986	23.28	9.74	12.67		101	CM	Bulk
24-9-12	34987	23.85	9.40	12.61		101	CM	Bulk
24-9-12	34988	23.77	9.08	12.42		100	CM	Bulk
8-21-32	33512	7.02 *	17.44 *	35.61		94 *	CM	Bulk
8-21-32	33513	6.68 *	17.51 *	37.61		96 *	CM	Bulk
8-21-32	33614	7.13 *	18.43 *	36.59		97	CM	Bulk
9-23-30	34489	11.63	30.48	20.84 *		109	CM	Bulk
9-23-30	34490	7.37 *	19.52 *	34.76		96 *	CM	Bulk
9-23-30	34491	8.03 *	21.13 *	33.63		99	CM	Bulk
9-23-30	34492	7.21 *	19.02 *	35.70		95 *	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
FARMERS CO-OP MIDWAY MURRAY KY 42071								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		93.60	97.99	107.34				
ALL SAMPLES,CV %		13.64	14.75	11.13				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate = 57.14 %								
FARMERS FERTILIZER CO. SMITHS GROVE KY 42171								
0-25-25	33259	0.00	26.40	24.69		99	CM	Bulk
18-18-18	33258	17.59	17.28 *	21.40		98	CM	Bulk
18-46-00	32502	17.80	45.85	0.00		99	Mat	Bulk
18-46-00	32505	17.85	45.82	0.00		99	Mat	Bulk
19-19-19	33254	17.13 *	18.88	22.23		100	CM	Bulk
19-19-19	33255	19.91	16.90 *	20.64		99	CM	Bulk
19-19-19	33256	19.20	18.35	20.37		101	CM	Bulk
19-19-19	33257	18.98	17.97	20.74		100	CM	Bulk
19-19-19	33263	19.06	18.30	20.71		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		18.86	18.08	20.94		100.2		
CV, %		5.48	4.08	3.51				
21-15-20	33264	21.50	13.32 *	21.67		98	CM	Bulk
30-10-10	33261	30.80	10.82	11.02		105	CM	Bulk
8-37-0	32501	8.19	30.15 *	0.00		83 *	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.02	95.25	108.97				
ALL SAMPLES,CV %		4.19	7.96	5.67				
NUMBER OF ANALYSIS		11	12	9				
Deficiency Rate = 41.67 %								
FARMERS FERTILIZER CO.(KELLY RD) BOWLING GREEN KY 42101								
14-15-13	33271	14.56	15.97	14.74		103	CM	Bulk
17-17-16	33265	15.79 *	18.47	14.96 *		97	CM	Bulk
19-19-19	33266	17.89	20.71	18.95		101	CM	Bulk
19-19-19	33486	18.95	20.93	17.74 *		102	CM	Bulk
19-19-19	33487	17.99	20.72	18.37		101	CM	Bulk
21-15-20	33267	22.03	14.68	19.96		100	CM	Bulk
30-10-10	33484	27.76 *	10.81	11.36		99	CM	Bulk
30-10-10	33485	28.76	11.47	9.95		101	CM	Bulk
5-14-18	33488+	5.62	15.73	17.62		103	CM	Bulk
8-21-28	33270+	8.36	22.36	28.14		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.98	107.13	99.36				
ALL SAMPLES,CV %		3.94	4.84	7.01				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 30.00 %								
FARMERS FERTILIZER CO.(NASH. RD) BOWLING GREEN KY 42101								
14-14-14	33536	14.73	14.59	14.72		99	CM	Bulk

15-15-15

33541

15.83

14.56

15.72

102

CM

Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
FARMERS FERTILIZER CO.(NASH. RD) BOWLING GREEN KY 42101								
18-18-18	33537	19.58	20.18	17.69		103	CM	Bulk
19-19-19	33535	19.30	16.06 *	20.72		97 *	CM	Bulk
19-19-19	33538	18.33	19.45	19.20		100	CM	Bulk
19-19-19	33539	19.53	18.94	18.59		100	CM	Bulk
19-19-19	33540	19.04	19.53	17.88		100	CM	Bulk
20-18-16	33542	20.08	19.27	16.84		100	CM	Bulk
27-15-11	33543	29.29	15.35	10.58 *		102	CM	Bulk
28-15-11	33496	28.20	15.33	11.81		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.25	99.38	100.16				
ALL SAMPLES,CV %		2.87	5.86	5.14				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 20.00 %								
FARMERS GIN CO. CLINTON KY 42031								
10-26-25	32686	10.15	25.85	25.49		98	CM	Bulk
10-26-25	34384	10.20	27.29	24.89		101	CM	Bulk
6-17-22	32605	7.34	17.07	22.70		101	CM	Bulk
6-17-22	32606	7.14	16.82	23.53		101	CM	Bulk
6-17-22	32607	7.25	17.59	22.61		102	CM	Bulk
9-23-30	34379	8.80	22.64	30.79		100	CM	Bulk
9-23-30	34380	8.42	22.40	31.42		99	CM	Bulk
9-23-30	34381	8.90	23.00	30.28		100	CM	Bulk
9-23-30	34382	8.62	22.89	29.79		99	CM	Bulk
9-23-30	34383	8.60	22.83	30.66		100	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 5								
Average Analysis :		8.67	22.75	30.59		99.6		
CV, %		2.16	1.04	1.98				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.74	99.14	101.27				
ALL SAMPLES,CV %		5.11	2.25	2.31				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
FELTY CROP SVC. BEAVER DAM KY 42320								
09-23-30	34083	9.48	21.58	30.30		98	CM	Bulk
09-23-30	34084	9.20	21.76	30.30		98	CM	Bulk
09-23-30	34085	9.12	22.55	30.69		100	CM	Bulk
09-23-30	34088	9.17	22.30	29.94		99	CM	Bulk
09-23-30	34089	8.98	21.88	30.31		98	CM	Bulk
09-23-30	34090	9.20	21.77	30.56		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
FELTY CROP SVC. BEAVER DAM KY 42320								
Statistical Analysis for Grade : 09-23-30								
Number of Samples This Grade : 6								
Average Analysis :		9.19	21.97	30.35		98.7		
CV, %		1.78	1.69	0.85				
16-18-23	34081	16.05	17.05	24.69		97	CM	Bulk
18-18-18	34086	18.17	17.53	19.39		99	CM	Bulk
19-19-19	34082	19.50	18.82	20.12		100	CM	Bulk
19-19-19	34087	19.47	17.92	19.62		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.84	95.53	101.87				
ALL SAMPLES,CV %		2.33	1.95	1.42				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
FLEMING CO FARM SUPP. FLEMINGSBURG KY 41041								
00-00-50	34119	0.00	0.00	50.71		101	Mat	Bulk
00-00-51	34759	0.00	0.00	47.25 *		100	Mat	Bulk
00-00-51	35038	0.00	0.00	51.00		100	Mat	Bulk
00-00-51	35039	0.00	0.00	51.51		101	Mat	Bulk
00-00-61	33859	0.00	0.00	62.05		102	Mat	Bulk
00-00-61	34121	0.00	0.00	61.18		100	Mat	Bulk
10-26-25	33869	9.77	25.18	28.63		100	CM	Bulk
10-6-9	35158	11.24	6.06	10.08		102	CM	Bulk
12-12-12	33868	12.77	12.03	14.42		101	CM	Bulk
12-12-12	33872	12.30	12.79	14.15		104	CM	Bulk
12-9-14	35157	14.27	10.65	12.93 *	*	101	CM	Bulk
17-17-17	33867	17.41	15.71 *	19.89		97	CM	Bulk
18-46-00	33861	17.64	46.05	0.00		100	Mat	Bulk
18-46-00	33862	17.48	45.90	0.00		99	Mat	Bulk
18-46-00	34122	17.80	45.91	0.00		100	Mat	Bulk
19-19-19	33863	18.01	19.39	21.33		99	CM	Bulk
19-19-19	33865	18.63	18.35	21.36		98	CM	Bulk
19-19-19	33871	18.29	19.45	21.17		100	CM	Bulk
2-11-45	33870	4.18	11.38	47.17		105	CM	Bulk
24-15-15	33866	22.63 *	15.83	18.08		99	CM	Bulk
34-00-00	33858	33.67	0.00	0.00		101	Mat	Bulk
34-00-00	34120	34.26	0.00	0.00		102	Mat	Bulk
46-00-00	33860	46.08	0.00	0.00		100	Mat	Bulk
46-00-00	34123	46.17	0.00	0.00		100	Mat	Bulk
9-9-9	33864	8.57	9.33	10.78		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.90	98.60	106.28				
ALL SAMPLES,CV %		11.99	5.21	7.78				
NUMBER OF ANALYSIS		19	15	18				
Deficiency Rate = 16.00 %								
FRANKLIN CROP SVC. FRANKLIN KY 42134								
10-25-26	34178	10.58	27.16	25.13		102	CM	Bulk
18-24-16	34177	18.01	23.98	18.41		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
FRANKLIN CROP SVC. FRANKLIN KY 42134								
19-19-19	33660	19.46	17.51 *	20.63		99	CM	Bulk
19-19-19	33950	18.97	19.46	19.03		99	CM	Bulk
23-13-18	33661	23.67	12.54 *	20.18		100	CM	Bulk
24-15-16	33946	23.70	14.27	17.18		98	CM	Bulk
32-13-5	33947	31.71	13.38	6.55		99	CM	Bulk
32-13-5	33948	28.88 *	13.94	9.24		98	CM	Bulk
32-14-06	33949	31.67	13.19	7.05		99	CM	Bulk
5-26-30	34176	5.66	25.67	31.30		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.05	96.83	111.52				
ALL SAMPLES,CV %		3.82	4.89	14.74				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 30.00 %								
FREE FLOW FERTILIZER CO. MAUMEE OH 43537								
12-12-12	32999	12.03	12.65	12.92		104	Blend	Bag
20-27-05	34634+	19.65	27.12	4.76		99	Blend	Bag
26-04-14	32498+	26.84	4.25	14.50		104	Blend	Bag
28-03-03	33642	28.93	2.52 *	2.96		101	Blend	Bag
28-03-03	34468+	27.80	2.84	3.19		99	Blend	Bag
28-04-06	33645+	29.65	4.04	5.87		104	Blend	Bag
29-03-04	33074	29.44	3.07	4.24		102	Blend	Bag
29-03-04	33648+	28.66	3.16	4.16		100	Blend	Bag
29-03-04	34455	28.02	3.13	5.29		100	Blend	Bag
29-03-04	34467+	28.64	2.61	3.82		97	Blend	Bag
30-03-04	33647	30.85	3.27	4.01		103	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.80	99.98	104.30				
ALL SAMPLES,CV %		2.76	8.11	9.83				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
FRIT INDUSTRIES OZARK AL 36361								
00-00-00	33151+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	34103+	0.00	0.00	0.00			Mat	Bag
00-00-00	34104+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	34278+	0.00	0.00	0.00			Mat	Bag
00-00-00	34282+	0.00	0.00	0.00			Mnfr	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				
GAMALIEL BULK FERT. GAMALIEL KY 42140								
19-19-19	33166	19.60	18.06	20.28		99	CM	Bulk
19-19-19	33167	20.70	16.72 *	19.95		98	CM	Bulk
21-15-20	33162	20.68	16.68	20.17		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GAMALIEL BULK FERT. GAMALIEL KY 42140								
21-15-20	33163	21.71	14.60	20.49		100	CM	Bulk
21-15-20	33171	21.38	15.25	20.32		100	CM	Bulk
21-15-20	33172	22.08	14.26 *	19.32		98	CM	Bulk
25-18-12	33160	26.54	16.59 *	12.88		99	CM	Bulk
25-18-12	33161	26.08	17.97	12.63		101	CM	Bulk
27-11-15	33164	26.15	12.15	16.90		101	CM	Bulk
27-11-15	33165	26.89	11.16	16.27		100	CM	Bulk
35-6-8	33173	36.45	6.68	8.01		102	CM	Bulk
35-6-8	33174	36.52	8.62	6.06 *		104	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.11	100.03	100.68				
ALL SAMPLES,CV %		3.14	11.58	10.67				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 33.33 %								
GLENDALE FARM SVC. GLENDALE KY 42740								
10-26-26	33829	10.35	26.37	25.86		101	CM	Bulk
15-19-23	33825	15.72	19.95	23.40		100	CM	Bulk
18-18-21	33822	17.63	19.24	22.13		101	CM	Bulk
19-19-19	33820	19.17	19.77	18.89		100	CM	Bulk
19-19-19	33821	18.77	19.46	20.01		100	CM	Bulk
19-19-19	33828	19.44	19.11	18.45		99	CM	Bulk
22-16-16	33827	22.72	16.21	16.16		98	CM	Bulk
23-0-24	34950	23.77	0.00	23.73		99	CM	Bulk
27-13-13	33826	26.82	13.25	13.66		99	CM	Bulk
5-12-38	33823+	4.61 *	12.91	39.30		99	CM	Bulk
5-26-29	33824	5.48	25.93	30.16		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.46	100.08	99.22				
ALL SAMPLES,CV %		3.03	2.74	2.6				
NUMBER OF ANALYSIS		11	10	11				
Deficiency Rate = 9.09 %								
GRANT CO FARM SUPP. DRY RIDGE KY 41035								
00-00-50	34546	0.00	0.00	51.00		102	Mat	Bulk
00-00-60	34548	0.00	0.00	61.50		102	Mat	Bulk
05-10-15	34549	4.51 *	9.15	15.00		96 *	Blend	Bag
05-10-15	35154	4.92	9.65	16.43		104	Blend	Bag
05-10-15	35162	4.90	9.81	14.69		98	Blend	Bag
12-7-32	35148	12.69	7.77	32.67		101	CM	Bulk
17-14-21	35151	17.33	14.56	22.22		100	CM	Bulk
18-46-00	34547	17.85	45.37	0.00		99	Mat	Bulk
19-13-19	35152	19.42	14.56	19.99		102	CM	Bulk
19-13-20	35147	19.16	13.95	20.71		101	CM	Bulk
21-26-11	34545	21.46	26.33	12.15		102	CM	Bulk
22-12-18	35149	22.19	12.45	18.34		101	CM	Bulk
24-11-16	35156	25.38	10.76	16.03		100	CM	Bulk
29-2-15	35155	30.40	3.06	15.51		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

GRANT CO FARM SUPP. DRY RIDGE KY 41035								
9-18-27	35150	8.85	18.19	28.97		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.70	100.45	101.58				
ALL SAMPLES,CV %		3.3	4.61	2.92				
NUMBER OF ANALYSIS		13	13	14				
Deficiency Rate = 6.67 %								

GRAVES CO SOIL ASSOC. MAYFIELD KY 42066								
00-00-60	33420	0.00	0.00	60.39		101	Mat	Bulk
12-19-21	35197	12.13	19.16	23.26		102	CM	Bulk
18-46-00	33419	17.78	46.04	0.00		100	Mat	Bulk
22-10-13	34204	21.99	10.36	14.90		101	CM	Bulk
22-21-14	35198	23.20	21.96	13.20		102	CM	Bulk
46-00-00	33418	45.87	0.00	0.00		100	Mat	Bulk
5-14-18	32622	6.42	14.89	20.23		107	CM	Bulk
5-14-18	32623	6.23	14.73	19.39		104	CM	Bulk
7-18-24	32640	7.43	18.54	24.77		100	CM	Bulk
7-18-24	32641	7.61	18.68	25.26		101	CM	Bulk
9-23-30	32624	8.66	22.60	30.46		99	CM	Bulk
9-23-30	33417	8.33	21.88	31.77		99	CM	Bulk
9-23-30	34205	8.96	22.56	31.17		100	CM	Bulk
9-23-30	34206	8.93	22.88	30.80		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.01	99.64	103.71				
ALL SAMPLES,CV %		6.04	2.43	4.59				
NUMBER OF ANALYSIS		13	12	12				
Deficiency Rate = 0.00 %								

GREAT SALT LAKE MINERALS OGDEN UT 84402								
00-00-50	34870	0.00	0.00	50.65		101	Mat	Bulk
00-00-50	35061	0.00	0.00	51.41		103	Mat	Bulk

GREEN CHARGER FERT CORP. RICHMOND VA 23260								
06-24-24	35059	6.40	24.62	25.29		104	Blend	Bag
10-10-10	34650	9.45	9.77	10.80		99	Blend	Bag
10-10-10	34836	9.44	9.97	9.66		97	Blend	Bag
10-10-10	35057	9.90	9.30	9.42		95 *	Blend	Bag

GREEN RIVER FEED MILL MORGANTOWN KY 42261								
18-18-18	33953	17.84	18.47	19.80		100	CM	Bulk
19-19-19	33951	18.98	18.27	20.73		99	CM	Bulk
19-19-19	33958	18.03	18.75	20.79		98	CM	Bulk
19-19-19	33959	19.65	18.96	19.89		100	CM	Bulk
19-19-19	34055	18.72	19.15	20.79		100	CM	Bulk
19-19-19	34056	18.70	20.14	19.62		101	CM	Bulk
19-19-19	34057	19.07	18.63	20.23		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GREEN RIVER FEED MILL MORGANTOWN KY 42261								
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		18.86	18.98	20.34		99.5		
CV, %		2.82	3.38	2.5				
22-15-18	33957	22.11	14.73	19.87		100	CM	Bulk
24-15-15	33952	23.95	15.42	16.67		100	CM	Bulk
25-15-15	34054	25.29	14.15	15.63		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.72	97.66	105.14				
ALL SAMPLES,CV %		2.4	2.91	2.38				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
GREENLEAF PLANT FOOD DANVILLE KY 40423								
00-00-50	33018	0.00	0.00	48.40 *		99	Mat	Bulk
00-00-60	33017	0.00	0.00	59.94		100	Mat	Bulk
00-20-20	33603	0.00	32.17	1.35 *		104	Blend	Bag
00-20-20	34327	0.00	19.96	19.63		99	Blend	Bag
00-20-20	34997	0.00	17.02 *	21.82		95 *	Blend	Bag
05-10-10	35000	3.84 *	7.47 *	9.71		82 *	Blend	Bag
05-10-15	34236	3.63 *	6.62 *	15.65		88 *	Blend	Bag
05-10-15	35011	5.59	10.41	16.61	*	109	Blend	Bag
05-20-20	33601	4.35 *	17.97 *	20.54		94 *	Blend	Bag
05-20-20	34237	3.81 *	17.88 *	19.81		91 *	Blend	Bulk
05-20-20	34998	4.48 *	17.20 *	20.84		92 *	Blend	Bag
06-12-12	34312	4.83 *	9.39 *	11.68		84 *	Blend	Bag
06-12-12	34335	4.89 *	9.85 *	11.94		87 *	Blend	Bag
06-12-12	34852	4.02 *	11.04 *	13.35		92 *	Blend	Bag
06-12-12	35001	4.49 *	8.90 *	11.52		81 *	Blend	Bag
06-24-24	34999	5.29 *	21.47 *	26.24		96 *	Blend	Bag
09-18-27	35013	8.70	17.03	27.55		99	Blend	Bag
10-10-10	32775	9.72	9.86	10.07		99	Blend	Bag
10-10-10	33022	12.06	10.59	10.13		110	Blend	Bag
10-10-10	33600	9.85	8.49 *	9.43		92 *	Blend	Bag
10-10-10	33655	13.10	11.71	16.45		133	Blend	Bag
10-10-10	33981	9.16	7.30 *	9.91		86 *	Blend	Bag
10-10-10	34235	8.97 *	8.21 *	9.96		89 *	Blend	Bag
10-10-10	34311	9.66	7.62 *	9.71		89 *	Blend	Bag
10-10-10	34337	8.15 *	7.29 *	11.72		86 *	Blend	Bag
10-10-10	34349	9.18	7.72 *	10.47		89 *	Blend	Bag
10-10-10	34610	8.90 *	7.16 *	8.91 *		82 *	Blend	Bag
10-10-10	34640	10.83	8.23 *	10.19		95 *	Blend	Bag
10-10-10	34899	9.08 *	9.48	7.55 *		89 *	Blend	Bag
10-10-10	35002	9.16	8.69 *	10.74		93 *	Blend	Bag
10-10-10	35056	8.70 *	8.94 *	7.51 *		85 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GREENLEAF PLANT FOOD DANVILLE KY 40423								
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 14								
Average Analysis :		9.75	8.66	10.20		94.2		
CV, %		14	15.55	20.83				
10-20-20	32477	9.95	20.14	20.24		101	Blend	Bag
10-20-20	33019	11.06	22.90	20.34		110	Blend	Bag
10-20-20	34345	9.21	17.57 *	20.32		93 *	Blend	Bag
10-20-20	34593	8.99 *	17.43 *	21.28		93 *	Blend	Bag
10-20-20	34595	8.70 *	17.10 *	22.04		93 *	Blend	Bag
10-20-20	35003	9.58	19.55	20.76		99	Blend	Bag
Statistical Analysis for Grade : 10-20-20								
Number of Samples This Grade : 6								
Average Analysis :		9.58	19.11	20.83		98.1		
CV, %		8.84	11.68	3.4				
12-12-12	33021	12.93	10.94 *	11.70		99	Blend	Bag
12-12-12	34326	3.70 *	2.72 *	6.12 *		32 *	Blend	Bag
12-12-12	34344	10.20 *	9.45 *	12.19		86 *	Blend	Bag
12-12-12	34897	12.39	7.36 *	10.64 *		83 *	Blend	Bag
12-12-12	35004	12.04	12.15	12.46		102	Blend	Bag
Statistical Analysis for Grade : 12-12-12								
Number of Samples This Grade : 5								
Average Analysis :		10.25	8.52	10.62		80.4		
CV, %		37.1	43.47	24.59				
12-24-24	34339	14.41	33.18	13.67 *		111	Blend	Bag
12-24-24	34611	11.27	21.46 *	24.69		94 *	Blend	Bag
12-24-24	35005	12.49	23.51	24.16		100	Blend	Bag
15-15-15	33023	16.27	14.55	14.00		100	Blend	Bag
15-15-15	33656	14.24	12.69 *	16.43		94 *	Blend	Bag
15-15-15	34336	13.98	12.24 *	15.20		91 *	Blend	Bag
15-15-15	34477	9.98 *	12.79 *	17.77		86 *	Blend	Bulk
15-15-15	35006	16.76	15.03	15.26		105	Blend	Bag
15-15-15	35012	14.69	14.19	15.27		98	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 6								
Average Analysis :		14.32	13.58	15.65		95.8		
CV, %		16.76	8.48	8.23				
16-27-14	32479	15.25	26.22	14.11		97	CM	Bag
16-27-14	35009	16.48	26.16	14.47		100	Blend	Bag
18-46-00	33016	17.74	46.37	0.00		100	Mat	Bulk
19-19-19	32776	20.47	18.91	19.08		103	Blend	Bag
19-19-19	33020	19.83	16.21 *	18.77		95 *	Blend	Bag
19-19-19	33978	18.12	16.07 *	20.22		94 *	Blend	Bulk
19-19-19	33979	18.86	14.97 *	20.76		93 *	Blend	Bulk
19-19-19	33980	18.17	15.92 *	20.29		94 *	Blend	Bulk
19-19-19	34233	13.79 *	13.27 *	29.54		91 *	Blend	Bag
19-19-19	34234	17.58	14.00 *	23.66		93 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GREENLEAF PLANT FOOD DANVILLE KY 40423								
19-19-19	34313	16.91 *	15.34 *	22.80		93 *	Blend	Bag
19-19-19	34328	18.64	16.49 *	20.38		96 *	Blend	Bag
19-19-19	34338	17.53	16.85 *	20.23		94 *	Blend	Bag
19-19-19	34350	19.86	16.10 *	19.12		97 *	Blend	Bag
19-19-19	34475	18.87	16.12 *	20.75		96 *	Blend	Bulk
19-19-19	34476	18.86	16.16 *	21.17		97	Blend	Bulk
19-19-19	34478	19.35	15.69 *	20.66		96 *	Blend	Bag
19-19-19	34481	18.54	15.55 *	22.02		96 *	Blend	Bag
19-19-19	34639	19.14	13.69 *	21.48		92 *	Blend	Bag
19-19-19	34851	15.68 *	11.18 *	21.18		80 *	Blend	Bag
19-19-19	34898	21.14	19.91	14.99 *		101	Blend	Bag
19-19-19	35007	20.28	17.46 *	18.83		99	Blend	Bag
19-19-19	35055	19.05	20.44	17.37 *		101	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 20								
Average Analysis :		18.53	16.01	20.66		95.1		
CV, %		9.12	13.48	13.64				
19-35-08	34591	18.72	30.31 *	10.82		94 *	Blend	Bag
20-10-10	35008	21.72	9.49	10.20		103	Blend	Bag
22-20-00	34590	19.02 *	18.13 *	0.00		89 *	Blend	Bag
22-20-00	35010	23.10	18.77	0.00		99	Blend	Bag
24-05-11	34004+	23.40	4.66	11.18		98	Blend	Bag
30-0-19	34238	27.96 *	0.00	23.83		99	CM	Bulk
30-0-20	33976	30.87	0.00	19.60		100	CM	Bulk
30-0-20	33977	29.53	0.00	21.59		100	CM	Bulk
30-03-08	34005+	27.56 *	2.99	8.16		94 *	Blend	Bag
34-0-15	33425	33.35	0.00	16.27		99	CM	Bulk
46-00-00	33015	45.63	0.00	0.00		99	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		94.77	88.67	102.16				
ALL SAMPLES,CV %		14.4	18.89	18.08				
NUMBER OF ANALYSIS		80	78	81				
Deficiency Rate = 69.41 %								
GREENVIEW DIV- LEBANON SEABOARD CO LEBANON PA 17042								
24-02-08	34300+	24.55	2.68	9.37		107	Mnfr	Bag
25-03-03	34298+	25.72	2.35	3.05		100	Blend	Bag
30-04-04	34299+	26.22 *	3.96	9.96		100	Blend	Bag
GRIFFIN INDUSTRIES INC. COLD SPRING KY 41076-1821								
07-01-14	32678+	7.04	4.21	15.13		124	Blend	Bag
07-01-14	34890+	7.73	3.01	15.05		121	Blend	Bag
08-03-05	32676+	8.65	3.45	5.49		110	Blend	Bag
08-03-05	34892+	8.13	2.92	6.69		108	Blend	Bag
08-05-05	32679+	9.18	6.45	5.12		117	Blend	Bag
10-02-08	32675+	9.64	3.55	8.54		109	Blend	Bag
10-02-08	34895+	10.05	3.16	9.16		112	Blend	Bag
12-02-06	34894+	12.42	3.08	5.62		107	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

GRIFFIN INDUSTRIES INC. COLD SPRING KY 41076-1821								
15-02-08	32677+	16.52	2.06	7.76		106	Blend	Bag
15-02-08	34893+	16.89	2.70	6.07 *		106	Blend	Bag
21-03-07	34891+	20.71	5.74	7.58		111	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		105.20	180.11	105.24				
ALL SAMPLES,CV %		5.91	54.19	13.51				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								

GRO TEC INC. MADISON GA 30650-1821								
09-09-06	34009	8.79	8.23	6.79		98	Blend	Bag
10-10-10	33641	9.10 *	8.73 *	10.80		94 *	Blend	Bag

HANCOCK COUNTY FARM HAWESVILLE KY 42348								
17-17-17	33574	17.23	18.29	18.49		101	CM	Bulk
17-17-17	33575	17.18	19.73	18.46		104	CM	Bulk
19-19-19	33578	18.77	20.45	18.24 *		100	CM	Bulk
19-19-19	33581	18.71	19.26	19.58		99	CM	Bulk
22-17-16	33576	21.17	16.53	18.07		98	CM	Bulk
23-13-17	33572	23.08	14.70	17.61		100	CM	Bulk
26-12-15	33579	26.21	11.88	15.61		99	CM	Bulk
31-10-10	33580	30.50	10.58	11.30		99	CM	Bulk
9-23-30	33573	9.10	22.54	29.45		99	CM	Bulk
9-23-30	33577	9.10	23.27	29.85		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.40	102.15	101.01				
ALL SAMPLES,CV %		2.43	4.39	4.06				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								

HARDINSBURG FARM SUPP HARNED KY 40144								
15-13-20	35256	15.42	12.61	20.18		98	CM	Bulk
16-12-18	35257	16.73	9.79 *	20.10		98	CM	Bulk
16-12-18	35281	16.54	13.49	18.72		101	CM	Bulk
19-19-19	33567	19.12	18.33	20.72		99	CM	Bulk
19-19-19	33592	20.77	18.94	17.71 *		100	CM	Bulk
19-19-19	33636	19.67	18.21	19.58		98	CM	Bulk
21-20-15	33571	18.18 *	22.17	17.20		99	CM	Bulk
22-17-16	33554	22.86	16.90	17.06		100	CM	Bulk
22-17-16	33568	22.72	17.03	16.80		100	CM	Bulk
25-15-15	33569	25.31	17.53	14.21		104	CM	Bulk
26-13-13	33591	25.37	13.15	14.59		101	CM	Bulk
31-10-10	33555	31.49	10.18	11.37		100	CM	Bulk
34-18-0	33570	34.39	20.07	0.00		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

HARDINSBURG FARM SUPP HARNED KY 40144								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.27	99.47	102.34				
ALL SAMPLES,CV %		4.64	9.27	6.09				
NUMBER OF ANALYSIS		13	13	12				
Deficiency Rate = 23.08 %								

HENRY FARMERS COOP PARIS TN 38242								
32-00-00	33613	32.00	0.00	0.00		100	Mat	Liq

HOWARD JOHNSONS INC. MILWAUKEE WI 53204								
10-06-04	33388	10.56	10.03	7.20		137	Blend	Bag
10-10-10	34007	10.88	12.53	10.08	*	111	Blend	Bag
10-10-10	34463	7.46 *	7.79 *	11.34	*	91 *	Blend	Bag
10-10-10	34466	6.50 *	6.46 *	9.53	*	77 *	Blend	Bag
10-10-10	34800	9.61	9.25	10.04		96 *	Blend	Bag
10-10-10	34801	11.11	9.15	9.73		100	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 5								
Average Analysis :		9.11	9.04	10.14		94.8		
CV, %		22.55	25.02	6.97				
10-20-10	34462	8.27 *	18.32 *	11.03		92 *	Blend	Bag
13-25-12	35314	13.33	26.11	11.40		102	Blend	Bag

HYDRO AGRI N. AMERICA TAMPA FL 33602								
16-00-00	35035+	14.68	0.00	0.00		99	Mat	Bag
46-00-00	33795	46.00	0.00	0.00		100	Mat	Bulk

IMC USA, INC. LAKE FOREST IL 60045								
00-00-60	33498	0.00	0.00	60.63		101	Mat	Bulk
18-46-00	33499	17.65	46.38	0.00		100	Mat	Bulk

JANES FERT/FARM COLUMBIA KY 42728								
10-25-25	33346	9.95	25.75	26.40		100	CM	Bulk
19-19-19	33347	17.05 *	17.43 *	24.55		98	CM	Bulk
19-19-19	33348	18.95	19.70	18.10		98	CM	Bulk
19-19-19	34807	19.00	19.36	19.87		100	CM	Bulk
21-16-16	33426	11.29 *	16.52	25.68		96 *	CM	Bulk

JEFFERSONVILLE RIVER TERMINAL JEFFERSONVILLE IN 47130								
00-00-60	32734	0.00	0.00	60.12		100	Mat	Bulk
00-00-60	32871	0.00	0.00	59.86		100	Mat	Bulk
00-00-60	32956	0.00	0.00	60.73		101	Mat	Bulk
18-46-00	32957	17.50	45.45	0.00		98	Mat	Bulk
34-00-00	32730	33.95	0.00	0.00		100	Mat	Bulk
34-00-00	32870	33.73	0.00	0.00		99	Mat	Bulk
34-00-00	32959	34.28	0.00	0.00		101	Mat	Bulk
46-00-00	32732	46.20	0.00	0.00		100	Mat	Bulk

46-00-00

32958

46.07

0.00

0.00

100

Mat

Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
JEFFERSONVILLE RIVER TERMINAL JEFFERSONVILLE IN 47130								
KEES FARM SVC. GRAYSON KY 41143								
00-00-50	34910	0.00	0.00	50.77		102	Mat	Bulk
00-00-60	34904	0.00	0.00	60.16		100	Mat	Bulk
10-0-12	35318	11.03	0.00	12.71		102	CM	Bulk
11-11-17	35324	12.08	11.76	17.96		102	CM	Bulk
12-10-15	35203	12.79	11.66	16.89		106	CM	Bulk
13-10-15	35204	13.38	10.37	16.55		103	CM	Bulk
13-8-12	35319	14.27	8.80	13.58		105	CM	Bulk
18-46-00	34903	17.74	45.57	0.00		99	Mat	Bulk
19-19-19	34911	18.81	19.71	19.77		100	CM	Bulk
19-19-19	34912	18.12	19.46	20.42		99	CM	Bulk
19-19-19	35321	19.36	19.61	19.35		101	CM	Bulk
19-19-19	35322	19.60	19.85	20.72		103	CM	Bulk
20-12-18	35323	21.87	12.98	18.11		100	CM	Bulk
31-0-19	35320	31.85	0.00	19.10		101	CM	Bulk
46-00-00	34908	45.77	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.67	102.17	102.53				
ALL SAMPLES,CV %		2.83	3.14	3.33				
NUMBER OF ANALYSIS		13	10	13				
Deficiency Rate = 0.00 %								
KENTUCKY FERTILIZER WORKS WINCHESTER KY 40391								
00-20-20	34319	0.00	19.60	20.33		99	Blend	Bag
00-20-20	35326	0.00	19.19	20.60		99	Blend	Bag
05-10-15	34365	4.84	9.94	15.09		100	Blend	Bag
05-10-15	34675	5.26	9.71	15.33		101	Blend	Bag
05-10-15	34862	5.36	10.51	14.72		101	Blend	Bag
05-10-15	34867	4.76	9.70	15.22		99	Blend	Bag
05-10-15	34901	4.65	8.82 *	14.98		95 *	Blend	Bag
05-10-15	34973	5.04	10.15	15.00		101	Blend	Bag
05-10-15	35018	5.64	10.78	14.88		104	Blend	Bag
05-10-15	35028	5.14	9.64	14.59		98	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 8								
Average Analysis :		5.09	9.91	14.98		99.9		
CV, %		6.56	6.06	1.64				
09-18-27	34865	8.91	17.64	28.29		102	Blend	Bag
09-18-27	34971	8.90	17.41	28.08		101	Blend	Bag
09-18-27	35046	8.94	17.36	28.06		101	Blend	Bag
09-18-27	35049	9.07	18.11	27.53		101	Blend	Bag
09-18-27	35344	9.07	17.11	27.72		100	Blend	Bag
09-18-27	35347	9.67	18.60	27.10		102	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
KENTUCKY FERTILIZER WORKS WINCHESTER KY 40391								
Statistical Analysis for Grade : 09-18-27								
Number of Samples This Grade : 6								
Average Analysis :		9.09	17.71	27.80		101.3		
CV, %		3.22	3.12	1.57				
10-10-10	34696	8.90 *	9.74	10.20		95 *	Blend	Bag
19-19-19	34695	18.19	18.80	20.92		100	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.29	98.50	101.84				
ALL SAMPLES,CV %		5.94	4.33	2.82				
NUMBER OF ANALYSIS		16	18	18				
Deficiency Rate = 11.11 %								
KNOX FERTILIZER CO., INC. KNOX IN 46534								
05-10-05	34287	5.73	10.87	5.25		110	Blend	Bag
06-10-04	34288	7.00	11.47	5.44		118	Blend	Bag
10-10-10	33391	9.67	10.31	12.33		106	Blend	Bag
10-16-20	34292	9.60	16.06	20.55		100	Blend	Bag
12-06-06	34289	13.08	5.25 *	6.08		101	Blend	Bag
12-12-12	34286	11.95	11.45	13.04		100	Blend	Bag
15-30-15	34290+	18.73	28.68	14.05		103	Mnfr	Bag
18-24-16	34291+	18.18	23.11	15.85		98	Mnfr	Bag
25-03-03	34294	25.73	2.79	2.90		101	Blend	Bag
27-03-03	34293+	25.79	3.48	4.59		101	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		105.68	101.07	111.95				
ALL SAMPLES,CV %		9.58	9.36	17.32				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								
LEBANON SEABOARD LEBANON PA 17042								
05-05-20	35116	6.97	5.54	19.84		111	Blend	Bag
10-16-20	32465+	9.70	15.21	20.69		98	Blend	Bag
10-18-10	33634	9.49	17.74	9.74		97	Mnfr	Bag
14-14-14	35117	14.43	12.79 *	15.97		101	Blend	Bag
21-03-08	34302+	20.60	3.45	19.10		143	Blend	Bag
22-05-12	32745+	21.49	6.40	12.22		103	Blend	Bag
25-02-05	34303+	25.39	2.83	6.99		108	Blend	Bag
25-05-15	32746+	25.34	5.51	15.05		102	Blend	Bag
30-04-04	33633	29.21	4.36	6.69		104	Blend	Bag
LESCO INC. CLEVELAND OH 44114-1849								
13-02-05	35120	13.15	3.96	6.78		119	Blend	Bag
18-02-09	34453+	19.45	4.08	10.31		118	Blend	Bag
18-24-12	34296+	18.96	24.37	12.28		103	Blend	Bag
19-03-06	35121	19.23	4.74	8.22		114	Blend	Bag
24-05-11	32478+	24.57	6.53	12.63		109	Blend	Bag
24-05-11	34295+	22.93	6.21	12.82		104	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

LESCO INC.	CLEVELAND OH	44114-1849						
32-05-07	34297+	31.98	6.78	10.21		109	Blend	Bag

LIVINGSTON COUNTY FARM STORE	SMITHLAND KY	42081						
12-30-20	34265	11.73	29.44	21.88		99	CM	Bulk
21-17-17	34659	20.25	17.46	19.35		99	CM	Bulk
28-11-00	34266	28.10	10.97	0.00		100	CM	Bulk
28-11-00	34267	28.09	11.50	0.00		101	CM	Bulk
5-14-38	34268+	6.72	16.71	35.35 *		102	CM	Bulk

LYONCO FARM SUPP. INC	TOMKINSVILLE KY	42167						
17-17-17	33142	18.83	15.29 *	18.50		102	CM	Bulk
17-17-17	33159	18.49	16.89	17.88		100	CM	Bulk
19-19-19	33156	19.46	20.52	18.58		104	CM	Bulk
19-19-19	33157	20.03	20.98	17.89		105	CM	Bulk
20-10-10	33140	26.59	13.85	14.61		137	CM	Bulk
21-11-22	33139	21.88	11.61	23.01		101	CM	Bulk
21-15-20	33123	20.45	14.62	21.34		98	CM	Bulk
21-15-20	33141	21.35	15.01	20.80		100	CM	Bulk
22-17-17	33143	22.88	16.51	17.23		100	CM	Bulk
27-13-13	33158	27.48	12.80	14.81		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		105.47	102.57	106.91				
ALL SAMPLES,CV %		9.83	13.78	13.59				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								

MARSHALL COUNTY SOIL	BENTON KY	42025						
15-17-20	33508	14.64	17.05	21.04		100	CM	Bulk
16-17-16	34060	17.57	17.09	16.72		101	CM	Bulk
17-13-26	33507	16.87	12.54	27.28		99	CM	Bulk
17-13-26	33510	7.72 *	26.48	28.68		111	CM	Bulk
17-15-20	34966	16.15	15.34	20.90		99	CM	Bulk
17-17-17	34059	16.59	17.79	18.14		99	CM	Bulk
18-17-16	33609	17.81	17.55	15.97		97	CM	Bulk
22-0-20	33509	22.46	0.00	20.13		100	CM	Bulk
4-12-16	32621	5.74	12.87	16.51		106	CM	Bulk
5-13-16	32620	5.92	13.77	18.77		109	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.89	111.09	103.57				
ALL SAMPLES,CV %		21.19	29.76	3.67				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 10.00 %								

MARTIN MARIETTA	MANISTEE MI	49660						
00-00-00	34688+	0.00	0.00	0.00			Mat	Bag

MARTIN RESOURCES	KILGORE TX	75662						
00-00-00	34257+	0.00	0.00	0.00			Mat	Bag

00-00-00

34504+

0.00

0.00

0.00

Mat

Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

MARTIN RESOURCES KILGORE TX 75662								
00-00-00	35416+	0.00	0.00	0.00			Mat	Bag

MATHIS FARM SUPP. MELBER KY 42069								
10-34-00	34203	10.26	33.73	0.00		100	Mnfr	Liq
15-20-19	34070	15.27	20.88	20.25		101	CM	Bulk
24-9-12	34071	22.70	8.91	13.70		99	CM	Bulk
6-15-40	34072	5.71	15.52	41.29		102	CM	Bulk
6-15-40	34073	5.99	15.68	40.02		101	CM	Bulk
6-15-40	34074	5.67	15.21	41.37		101	CM	Bulk
6-15-40	34075	5.59	14.75	41.76		100	CM	Bulk
6-17-37	34200	6.68	17.60	36.46		99	CM	Bulk
6-17-37	34201	6.55	17.34	38.78		101	CM	Bulk
6-17-37	34202	6.55	17.23	38.11		100	CM	Bulk
9-23-30	34068	8.29	21.31 *	32.87		99	CM	Bulk
9-23-30	34069	8.74	22.59	30.88		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.59	99.23	103.89				
ALL SAMPLES,CV %		3.05	2.93	4.36				
NUMBER OF ANALYSIS		12	12	11				
Deficiency Rate = 8.33 %								

MAYFIELD GRAIN CO. MAYFIELD KY 42066								
6-15-20	32627	6.20	15.43	20.71		102	CM	Bulk
7-19-25	32626	7.94	19.40	25.13		102	CM	Bulk
9-23-29	32625	8.97	23.86	30.42		102	CM	Bulk
9-23-30	32628	8.55	22.74	30.37		99	CM	Bulk
9-23-30	32690	8.66	22.99	29.85		99	CM	Bulk
9-23-30	32691	8.66	22.72	29.95		99	CM	Bulk
9-23-30	34367	8.45	22.19	31.39		99	CM	Bulk
9-23-30	34368	8.79	22.46	31.32		100	CM	Bulk
9-23-30	34369	8.20	21.84	31.95		98	CM	Bulk
9-23-30	34370	8.28	22.09	31.81		99	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 7								
Average Analysis :		8.51	22.43	30.95		99.1		
CV, %		2.53	1.83	2.83				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.09	98.83	102.75				
ALL SAMPLES,CV %		4.85	2.69	2.52				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

MAYSLICK MILL MAYSLICK KY 41055								
0-0-50	34132+	0.00	0.00	49.84		99	CM	Bulk
0-0-53	34117+	0.00	0.00	54.29		101	CM	Bulk
11-10-14	34762	10.12	8.74	17.28	*	106	CM	Bulk
16-0-30	34118	16.77	0.00	31.08		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

MAYSLICK MILL	MAYSLICK KY 41055							
19-19-19	34133	18.11	18.75	20.89		98	CM	Bulk
19-19-19	34760	18.82	19.35	20.13		99	CM	Bulk
20-20-23	34764+	18.65	19.11	20.35 *		95 *	CM	Bulk
20-6-20	34763	17.57 *	5.58	25.92		101	CM	Bulk
21-8-11	34124	21.46	8.05	12.58		102	CM	Bulk
25-2-25	34131	26.28	3.61	24.46		103	CM	Bulk
3-8-46	34239+	2.91	7.86	48.63		101	CM	Bulk
9-18-27	34761	9.23	18.09	29.46	*	102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.79	100.28	106.23				
ALL SAMPLES,CV %		5.13	13.98	9.83				
NUMBER OF ANALYSIS		10	9	12				
Deficiency Rate = 16.67 %								

MILES FARM CENTER (CYN)	CYNTHIANA KY 41031							
10-10-10	34924	10.07	11.19	9.28		103	CM	Bulk
10-5-28	34925	12.57	6.05	25.37 *		98	CM	Bulk
11-0-16	34922	12.00	0.00	14.75 *		95 *	CM	Bulk
17-0-25	34931	17.95	0.00	23.16 *		97 *	CM	Bulk
17-15-16	34916	17.80	15.28	16.13		99	CM	Bulk
18-18-18	34921	18.09	18.53	17.46		100	CM	Bulk
19-0-26	34932	19.49	0.00	25.10		99	CM	Bulk
22-0-16	34917	22.81	0.00	16.76		101	CM	Bulk
32-0-0	34711+	31.36	0.00	0.00		97	CM	Bulk
9-23-30	34933	8.50	21.52 *	31.16		97	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.56	103.53	95.31				
ALL SAMPLES,CV %		5.58	7.2	5.09				
NUMBER OF ANALYSIS		10	5	9				
Deficiency Rate = 40.00 %								

MILES FARM CENTER (EKR)	EKRON KY 40117							
15-15-15	34406	15.38	16.04	17.12		102	CM	Bulk
19-19-18	34407	19.16	18.85	19.58		99	CM	Bulk
19-19-19	34408	19.57	19.43	19.58		101	CM	Bulk
25-15-14	34409	24.64	15.22	15.93		100	CM	Bulk
25-17-12	34482	25.10	17.28	13.04		99	CM	Bulk
26-14-14	34411	26.27	14.23	14.37		100	CM	Bulk
30-9-12	34412	30.45	9.92	12.52		100	CM	Bulk
30-9-12	34413	30.94	10.28	11.73 *		101	CM	Bulk
37-7-5	34414	36.78	7.74	5.98		100	CM	Bulk
9-23-30	34410	9.65	23.53	29.18		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM CENTER (EKR) EKRON KY 40117								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.92	100.59	102.51				
ALL SAMPLES,CV %		3.24	2.03	6.49				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								
MILES FARM CENTER (LEB) LEBANON KY 40033								
16-18-24	33932	16.31	19.02	22.89		100	CM	Bulk
19-13-17	33933	18.87	14.64	17.18		98	CM	Bulk
19-19-19	33939	19.56	21.11	17.54 *		102	CM	Bulk
27-11-15	33935	27.91	10.75	14.93		99	CM	Bulk
27-11-15	33937	28.07	11.11	14.22		99	CM	Bulk
27-11-15	33938	26.94	12.11	14.51		100	CM	Bulk
27-11-15	33940	26.40	10.83	16.03		98	CM	Bulk
28-13-12	33936	27.81	12.57 *	13.18		98	CM	Bulk
29-10-13	33931	28.31	10.74	14.63		100	CM	Bulk
31-9-12	33934	30.62	9.99	12.05		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.56	101.83	100.51				
ALL SAMPLES,CV %		2.43	7.23	6.32				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 20.00 %								
MILES FARM CENTER (SAC) SACRAMENTO KY 42372								
19-18-19	34192	18.69	18.48	21.40		99	CM	Bulk
9-23-30	34193	8.86	23.16	30.03		100	CM	Bulk
9-23-30	34194	8.77	22.32	31.29		100	CM	Bulk
9-23-30	34195	8.38	21.54 *	32.49		99	CM	Bulk
9-23-30	34197	8.52	22.00	30.91		98	CM	Bulk
9-23-30	34198	8.41	22.02	31.47		99	CM	Bulk
9-23-30	34276	8.77	22.26	30.37		99	CM	Bulk
9-23-30	34277	8.51	22.52	29.88		98	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 7								
Average Analysis :		8.60	22.26	30.92		98.9		
CV, %		2.25	2.27	2.98				
MILES FARM CENTER (SHEL) SHELBYVILLE KY 40065								
00-20-20	33474	0.00	19.98	20.62		101	Blend	Bag
05-10-15	33299	4.85	8.25 *	15.95		98	Blend	Bag
05-10-15	33472	4.78	9.52	16.22		102	Blend	Bag
05-10-15	33773	5.00	8.51 *	15.60		98	Blend	Bag
05-10-15	35283	4.28 *	8.53 *	16.02		97	Blend	Bag
05-10-15	35310	3.78 *	8.98 *	16.41		99	Blend	Bag
05-10-15	35429	4.88	10.20	14.86		100	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM CENTER (SHEL) SHELBYVILLE KY 40065								
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 6								
Average Analysis :		4.60	9.00	15.84		99.0		
CV, %		10.3	8.22	3.49				
05-20-20	33305	4.44 *	19.37	19.91		97 *	Blend	Bag
05-20-20	35187	5.34	21.68	20.10		106	Blend	Bag
06-12-12	33602	5.64	11.77	11.76		97	Blend	Bag
06-24-24	33298	5.79	23.60	24.71		100	Blend	Bag
06-24-24	33406	4.99 *	24.23	24.18		99	Blend	Bag
06-24-24	33475	5.35 *	23.34	25.03		99	Blend	Bag
06-24-24	34092	5.92	23.94	23.17		99	Blend	Bag
06-24-24	34261	5.21 *	23.29	25.56		99	Blend	Bag
06-24-24	34632	5.40 *	23.50	22.94		96 *	Blend	Bag
06-24-24	35309	5.43 *	24.13	23.14		98	Blend	Bag
Statistical Analysis for Grade : 06-24-24								
Number of Samples This Grade : 7								
Average Analysis :		5.44	23.72	24.10		98.3		
CV, %		5.9	1.6	4.32				
10-10-10	32464	8.93 *	9.30	10.05		93 *	Blend	Bag
10-10-10	32507	10.06	9.89	10.90		102	Blend	Bag
10-10-10	32744	9.87	8.42 *	9.32		92 *	Blend	Bag
10-10-10	33101	9.10 *	8.59 *	9.76		90 *	Blend	Bag
10-10-10	33306	8.40 *	8.51 *	9.75		88 *	Blend	Bag
10-10-10	33408	9.93	9.44	10.81		99	Blend	Bag
10-10-10	33471	9.60	10.47	11.01		103	Blend	Bag
10-10-10	33654	8.36 *	7.89 *	9.95		85 *	Blend	Bag
10-10-10	33771	8.67 *	8.53 *	10.17		90 *	Blend	Bag
10-10-10	34078	9.51	9.17	9.48		94 *	Blend	Bag
10-10-10	34091	9.23	9.22	9.86		94 *	Blend	Bag
10-10-10	34259	8.24 *	8.01 *	9.36		84 *	Blend	Bag
10-10-10	34470	9.33	9.74	10.58		98	Blend	Bag
10-10-10	34612	8.09 *	9.24	10.63		93 *	Blend	Bag
10-10-10	34633	11.69	10.88	9.87		109	Blend	Bag
10-10-10	34643	11.20	10.96	9.86		108	Blend	Bag
10-10-10	34704	11.61	10.94	10.04		110	Blend	Bag
10-10-10	34752	8.69 *	9.27	9.97		92 *	Blend	Bag
10-10-10	34853	8.49 *	9.23	9.13 *		89 *	Blend	Bag
10-10-10	34919	10.24	10.09	9.82		101	Blend	Bag
10-10-10	34994	8.33 *	9.65	10.62		94 *	Blend	Bag
10-10-10	35044	9.23	9.11	9.69		93 *	Blend	Bag
10-10-10	35189	9.92	9.76	11.86		103	Blend	Bag
10-10-10	35282	8.90 *	9.05 *	10.41		93 *	Blend	Bag
10-10-10	35430	9.15	9.22	9.86		93 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM CENTER (SHEL) SHELBYVILLE KY 40065								
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 25								
Average Analysis :		9.39	9.38	10.11		95.6		
CV, %		10.68	8.96	6.12				
10-20-20	32748	10.18	19.84	21.17		102	Blend	Bag
10-20-20	33632	8.96 *	17.96 *	22.26		96 *	Blend	Bag
10-24-18	35393+	9.15	23.36	18.55		97	Blend	Bag
12-12-12	35312	11.33	11.37	12.87		98	Blend	Bag
13-13-13	34839	11.39 *	12.42	14.14		96 *	Blend	Bag
13-13-13	34993	12.76	13.04	13.47		100	Blend	Bag
14-0-9	35126+	14.81	0.00	10.70		106	CM	Bulk
14-9-14	35124	15.14	10.12	14.69		100	CM	Bulk
15-15-15	33476	13.19 *	14.52	16.06		96 *	Blend	Bag
15-15-15	34631	16.76	15.70	15.36		107	Blend	Bag
15-15-15	34642	13.61 *	14.39	14.76		96 *	Blend	Bag
15-15-15	34705	11.23 *	12.75 *	17.41		90 *	Blend	Bag
15-15-15	34992	13.91	14.73	14.95		98	Blend	Bag
15-15-15	35311	13.12 *	14.37	14.55		93 *	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 6								
Average Analysis :		13.63	14.41	15.51		96.4		
CV, %		13.17	6.61	6.9				
16-27-14	34586	15.46	26.99	14.89		100	Blend	Bag
19-14-20	35128	19.44	15.09	20.09		101	CM	Bulk
19-19-19	32506	17.55	19.17	20.48		99	Blend	Bag
19-19-19	33100	18.59	17.19 *	20.91		98	Blend	Bag
19-19-19	33304	18.72	17.53 *	20.63		98	Blend	Bag
19-19-19	33407	18.92	18.23	19.59		99	Blend	Bag
19-19-19	33473	18.96	19.83	19.01		102	Blend	Bag
19-19-19	33599	18.87	18.04	19.20		98	Blend	Bag
19-19-19	33653	20.42	17.83	18.48		100	Blend	Bag
19-19-19	33772	17.83	18.17	20.76		98	Blend	Bag
19-19-19	34093	18.77	19.21	17.95		99	Blend	Bag
19-19-19	34260	18.08	19.58	19.48		100	Blend	Bag
19-19-19	34613	18.91	18.22	19.55		99	Blend	Bag
19-19-19	34641	19.65	17.44 *	18.38		97	Blend	Bag
19-19-19	34918	18.34	17.90	19.54		97	Blend	Bag
19-19-19	35188	17.67	18.82	20.39		99	Blend	Bag
19-19-19	35313	17.57	18.28	21.57		99	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 15								
Average Analysis :		18.59	18.36	19.73		98.8		
CV, %		4.27	4.32	5.27				
20-13-20	35129	20.60	12.86	19.73	*	100	CM	Bulk
21-00-00	33186+	21.08	0.00	0.00		100	Mat	Bag
21-10-20	35122	21.72	11.13	19.92	*	101	CM	Bulk
21-11-15	32631	20.50	11.61	16.05		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

MILES FARM CENTER (SHEL) SHELBYVILLE KY 40065								
21-12-18	35130	18.97 *	12.11	21.88	*	102	CM	Bulk
21-3-7	35125	20.65	3.51	8.82		103	CM	Bulk
25-05-10	34706	23.71	5.10	11.10		99	Blend	Bag
26-4-18	35131	25.87	4.12	19.81		102	CM	Bulk
28-0-23	35123	24.60 *	0.00	27.89		99	CM	Bulk
30-03-08	34346+	28.35 *	3.45	9.28		99	Blend	Bag
30-10-10	35315	28.93	10.45	10.11		99	Blend	Bag
9-8-9	35127	10.41	8.78	9.24		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		94.83	96.62	103.39				
ALL SAMPLES,CV %		8.44	7.23	6				
NUMBER OF ANALYSIS		84	82	84				
Deficiency Rate = 44.71 %								

MILES FARM SUPPLY (OWEN) OWENSBORO KY 42301								
0-23-30	32648	0.00	17.55 *	38.08		99	CM	Bulk
0-23-30	32649	0.00	24.66	30.35		105	CM	Bulk
0-23-30	32650	0.00	25.56	27.95 *		103	CM	Bulk
00-00-22	32733+	0.00	0.00	21.55		98	Mat	Bulk
00-00-50	32793	0.00	0.00	49.49		99	Mat	Bulk
00-00-50	33590	0.00	0.00	50.90		102	Mat	Bulk
00-00-50	34437	0.00	0.00	51.25		102	Mat	Bulk
00-00-50	34707	0.00	0.00	50.06		99	Mat	Bulk
00-00-50	35364	0.00	0.00	49.11		98	Mat	Bulk
Statistical Analysis for Grade : 00-00-50								
Number of Samples This Grade : 5								
Average Analysis :		0.00	0.00	50.16	100.2			
CV, %		0	0	1.81				
00-00-60	32529	0.00	0.00	60.46		101	Mat	Bulk
00-00-60	32706	0.00	0.00	60.00		100	Mat	Bulk
00-00-60	32792	0.00	0.00	60.81		101	Mat	Bulk
00-00-60	32808	0.00	0.00	60.37		101	Mat	Bulk
00-00-60	32829	0.00	0.00	59.75		100	Mat	Bulk
00-00-60	32885	0.00	0.00	59.30		99	Mat	Bulk
00-00-60	32897	0.00	0.00	59.69		101	Mat	Bulk
00-00-60	32917	0.00	0.00	59.28		99	Mat	Bulk
00-00-60	32934	0.00	0.00	58.87		99	Mat	Bulk
00-00-60	32976	0.00	0.00	59.00		100	Mat	Bulk
00-00-60	33083	0.00	0.00	61.02		102	Mat	Bulk
00-00-60	33099	0.00	0.00	59.42		99	Mat	Bulk
00-00-60	33121	0.00	0.00	60.41		101	Mat	Bulk
00-00-60	33405	0.00	0.00	60.45		101	Mat	Bulk
00-00-60	33461	0.00	0.00	60.74		101	Mat	Bulk
00-00-60	33490	0.00	0.00	60.57		101	Mat	Bulk
00-00-60	33724	0.00	0.00	60.88		101	Mat	Bulk
00-00-60	33955	0.00	0.00	59.20		99	Mat	Bulk
00-00-60	34094	0.00	0.00	60.50		101	Mat	Bulk
00-00-60	34435	0.00	0.00	60.87		101	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 : 00-00-60								
Number of Samples This Grade : 20								
Average Analysis :		0.00	0.00	60.08		100.3		
CV, %		0	0	1.17				
00-46-00	32888	0.00	46.63	0.00		101	Mat	Bulk
00-46-00	32916	0.00	45.86	0.00		100	Mat	Bulk
00-46-00	32974	0.00	46.32	0.00		101	Mat	Bulk
00-46-00	34199	0.00	45.58	0.00		99	Mat	Bulk
00-46-00	34708	0.00	46.10	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 00-46-00								
Number of Samples This Grade : 5								
Average Analysis :		0.00	46.10	0.00		100.2		
CV, %		0	0.88	0				
10-25-22	32543+	9.68	26.00	23.01		100	CM	Bulk
10-50-00	32531	10.78	51.99	0.00		105	Mnfr	Bulk
10-52-00	33726	10.98	52.32	0.00		102	Mat	Bulk
11-52-00	32707	10.98	51.96	0.00		100	Mat	Bulk
11-52-00	33082	11.24	52.49	0.00		101	Mat	Bulk
18-46-00	32530	17.68	45.98	0.00		99	Mat	Bulk
18-46-00	32694	18.15	46.33	0.00		101	Mat	Bulk
18-46-00	32709	17.85	46.14	0.00		100	Mat	Bulk
18-46-00	32710	17.67	46.49	0.00		100	Mat	Bulk
18-46-00	32731	17.86	46.03	0.00		100	Mat	Bulk
18-46-00	32739	17.84	46.46	0.00		100	Mat	Bulk
18-46-00	32741	17.94	46.17	0.00		100	Mat	Bulk
18-46-00	32794	17.99	46.29	0.00		100	Mat	Bulk
18-46-00	32807	17.72	46.22	0.00		100	Mat	Bulk
18-46-00	32828	18.02	46.39	0.00		101	Mat	Bulk
18-46-00	32886	17.70	46.06	0.00		100	Mat	Bulk
18-46-00	32915	17.63	46.27	0.00		100	Mat	Bulk
18-46-00	32933	17.90	46.03	0.00		100	Mat	Bulk
18-46-00	32978	17.69	46.14	0.00		100	Mat	Bulk
18-46-00	33084	17.94	46.17	0.00		100	Mat	Bulk
18-46-00	33098	17.66	46.11	0.00		100	Mat	Bulk
18-46-00	33122	17.39	45.32	0.00		98	Mat	Bulk
18-46-00	33404	17.69	45.96	0.00		99	Mat	Bulk
18-46-00	33459	17.66	45.90	0.00		99	Mat	Bulk
18-46-00	33492	17.95	46.07	0.00		100	Mat	Bulk
18-46-00	33728	17.57	46.20	0.00		100	Mat	Bulk
18-46-00	33956	17.42	46.16	0.00		99	Mat	Bulk
18-46-00	34096	17.65	45.83	0.00		99	Mat	Bulk
18-46-00	34434	17.70	46.19	0.00		100	Mat	Bulk
18-46-00	34710	17.35	46.01	0.00		99	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 : 18-46-00								
Number of Samples This Grade : 25								
Average Analysis :		17.74	46.12	0.00		99.8		
CV, %		1.12	0.5	0				
21-00-00	33729+	21.65	0.00	0.00		103	Mat	Bulk
28-00-00	34080	27.45	0.00	0.00		98	Mat	Liq
28-00-00	34196	28.00	0.00	0.00		100	Mat	Liq
28-00-00	35403	28.00	0.00	0.00		100	Mat	Liq
33-00-00	32979	33.77	0.00	0.00		102	Mat	Bulk
34-00-00	32695	33.76	0.00	0.00		99	Mat	Bulk
34-00-00	32795	33.66	0.00	0.00		99	Mat	Bulk
34-00-00	32864	33.34	0.00	0.00		97	Mat	Bulk
34-00-00	33085	34.03	0.00	0.00		100	Mat	Bulk
34-00-00	33096	33.99	0.00	0.00		100	Mat	Bulk
34-00-00	33725	34.20	0.00	0.00		101	Mat	Bulk
34-00-00	34923	33.89	0.00	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 34-00-00								
Number of Samples This Grade : 7								
Average Analysis :		33.84	0.00	0.00		99.4		
CV, %		0.84	0	0				
42-00-00	32975+	41.17	0.00	0.00		98	Mat	Bulk
46-00-00	32693	46.16	0.00	0.00		100	Mat	Bulk
46-00-00	32696	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32708	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32738	46.01	0.00	0.00		100	Mat	Bulk
46-00-00	32742	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32796	45.97	0.00	0.00		100	Mat	Bulk
46-00-00	32827	46.02	0.00	0.00		100	Mat	Bulk
46-00-00	32887	46.04	0.00	0.00		100	Mat	Bulk
46-00-00	32914	45.83	0.00	0.00		100	Mat	Bulk
46-00-00	32932	46.13	0.00	0.00		100	Mat	Bulk
46-00-00	32977	46.00	0.00	0.00		100	Mat	Bulk
46-00-00	33081	45.86	0.00	0.00		100	Mat	Bulk
46-00-00	33097	45.59	0.00	0.00		99	Mat	Bulk
46-00-00	33120	45.86	0.00	0.00		100	Mat	Bulk
46-00-00	33190	45.86	0.00	0.00		100	Mat	Bulk
46-00-00	33403	46.14	0.00	0.00		100	Mat	Bulk
46-00-00	33460	46.01	0.00	0.00		100	Mat	Bulk
46-00-00	33491	46.13	0.00	0.00		100	Mat	Bulk
46-00-00	33727	46.00	0.00	0.00		100	Mat	Bulk
46-00-00	33954	45.95	0.00	0.00		100	Mat	Bulk
46-00-00	34095	46.07	0.00	0.00		100	Mat	Bulk
46-00-00	34436	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	34709	45.95	0.00	0.00		100	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 : 46-00-00								
Number of Samples This Grade : 23								
Average Analysis :		46.00	0.00	0.00		100.0		
CV, %		0.32	0	0				
8-21-28	32544+	8.16	21.16	30.24		100	CM	Bulk
8-21-28	32545+	8.31	22.36	29.04		101	CM	Bulk
8-22-28	32546+	8.04	21.11	29.99		98	CM	Bulk
8-22-28	32547+	8.05	21.56	28.61		98	CM	Bulk
9-23-30	33625	8.73	23.86	28.69		100	CM	Bulk
9-23-30	33626	8.59	23.03	30.94		100	CM	Bulk
9-23-30	33627	7.54 *	19.75 *	34.55		96 *	CM	Bulk
9-23-30	33628	8.99	23.59	30.10		101	CM	Bulk
9-23-30	33629	8.87	22.98	30.69		101	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 5								
Average Analysis :		8.54	22.64	30.99		99.6		
CV, %		6.83	7.34	7				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.09	99.85	101.39				
ALL SAMPLES,CV %		2.98	4.72	5.24				
NUMBER OF ANALYSIS		75	47	39				
Deficiency Rate = 2.75 %								
MILES FARM SUPPLY (UPT) UPTON KY 42784								
19-19-19	32898	18.91	18.82	20.68		100	CM	Bulk
19-19-19	33310	18.61	20.14	19.37		100	CM	Bulk
21-10-16	35186+	21.33	10.93	17.36		102	CM	Bulk
25-14-14	33308	23.87	15.34	15.78		99	CM	Bulk
26-13-14	33311	26.53	14.16	13.94		100	CM	Bulk
26-9-14	35185	26.40	10.11	14.95		101	CM	Bulk
27-13-13	33307	25.74	14.13	14.70		99	CM	Bulk
27-13-13	33312	26.51	13.34	13.90		98	CM	Bulk
27-13-13	33315	26.64	13.75	13.80		99	CM	Bulk
28-28-0	33309	27.65	29.06	0.00		100	CM	Bulk
6-15-35	33313+	6.09	15.85	35.60		99	CM	Bulk
7-19-33	33314+	7.25	18.75	32.81		98	CM	Bulk
8-16-25	35184+	8.34	16.50	25.13		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.87	101.33	102.71				
ALL SAMPLES,CV %		1.39	2.66	3.46				
NUMBER OF ANALYSIS		13	13	12				
Deficiency Rate = 0.00 %								
MILLERSBURG FERT. CO. MILLERSBURG KY 40348								
00-00-50	34938	0.00	0.00	49.34		99	Mat	Bulk
09-18-27	35074	8.88	16.05 *	25.17 *		93 *	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILLERSBURG FERT. CO. MILLERSBURG KY 40348								
09-18-27	35075	9.93	17.93	27.09		101	CM	Bulk
17-11-17	34941	18.60	10.87	17.13		99	CM	Bulk
18-46-00	34937	17.52	44.98	0.00		98	Mat	Bulk
20-12-20	35072	17.08 *	12.72	20.42		97	CM	Bulk
20-12-20	35073	18.93	11.70	16.73 *		90 *	CM	Bulk
20-12-20	35076	19.08	11.42	19.13		95 *	CM	Bulk
20-12-20	35077	19.31	12.15	18.51 *		96 *	CM	Bulk
20-12-20	35080	18.88	10.42 *	18.85		93 *	CM	Bulk
20-12-20	35081	19.43	11.71	20.61		100	CM	Bulk
Statistical Analysis for Grade : 20-12-20								
Number of Samples This Grade : 6								
Average Analysis :		18.78	11.69	19.04		95.2		
CV, %		4.6	6.59	7.45				
26-9-15	35078	26.02	8.40	13.04 *		93 *	CM	Bulk
26-9-15	35079	26.27	8.35	13.24 *		94 *	CM	Bulk
34-00-00	34936	33.45	0.00	0.00		98	Mat	Bulk
35-0-13	34939	34.73	0.00	15.03		100	CM	Bulk
35-0-13	34940	34.58	0.00	14.92		100	CM	Bulk
46-00-00	34935	46.10	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.69	95.51	97.24				
ALL SAMPLES,CV %		5.24	5.77	8.77				
NUMBER OF ANALYSIS		16	12	14				
Deficiency Rate = 47.06 %								
MILORGANITE DIV. MMSD MILWAUKEE WI 53201-3049								
06-02-00	32749+	6.06	3.66	0.00		123	Mat	Bag
06-02-00	35119+	6.35	1.90	0.00		103	Blend	Bag
MISSISSIPPI CHEMICAL CORP. YAZOO CITY MS 39194								
34-00-00	33794	34.15	0.00	0.00		100	Mat	Bulk
34-00-00	34105	34.25	0.00	0.00		101	Mat	Bag
NA-CHURS/ALPINE SOLUTIONS MARION OH 43302-9989								
06-24-06	32448	6.40	23.13	5.85		98	Mat	Liq
08-24-03	34079	8.02	23.48	3.13		99	Mnfr	Liq
08-24-03	35404	8.18	23.90	3.84		102	Mat	Liq
OLDFIELD, J.A. & SON MIZE KY 41352								
00-00-50	34608	0.00	0.00	51.23		102	Mat	Bulk
00-00-60	34605	0.00	0.00	59.87		100	Mat	Bulk
00-20-20	34596	0.00	20.50	20.08		102	Blend	Bag
00-46-00	34606	0.00	46.53	0.00		101	Mat	Bulk
05-10-15	34597	5.04	10.04	15.43		102	Blend	Bag
05-20-20	34599	4.50 *	19.45	20.12		97	Blend	Bag
05-20-20	34604	5.30	21.35	21.55		107	CM	Bulk
06-12-12	34331	4.26 *	8.66 *	13.21		83 *	Blend	Bag
06-12-18	35103	5.84	11.44	18.79	*	101	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

OLDFIELD, J.A. & SON MIZE KY 41352								
09-18-27	34603	8.19	17.19	28.85		101	Blend	Bag
10-10-10	34330	9.99	10.82	9.36		102	Blend	Bag
10-10-10	34601	9.30	9.48	10.60		97 *	Blend	Bag
11-0-16	35105+	12.23	0.00	17.40		108	CM	Bulk
12-12-12	34600	10.81 *	11.30	12.30		95 *	Blend	Bag
12-12-12	35102	12.44	12.53	12.08		103	Blend	Bag
12-18-18	35097	13.00	18.88	19.06		101	CM	Bulk
14-9-14	35104	15.55	10.31	14.19		105	CM	Bulk
15-15-15	34602	13.97	14.37	16.18		98	Blend	Bag
17-13-20	35098	17.18	13.57	20.86		99	CM	Bulk
18-46-00	34607	17.62	45.51	0.00		99	Mat	Bulk
18-9-14	35101	19.23	10.07	15.34		103	CM	Bulk
19-19-19	34329	18.58	18.87	19.49		100	Blend	Bag
19-19-19	34598	18.08	19.13	19.34		99	Blend	Bag
19-19-19	35095	18.03	18.50	20.14		98	Blend	Bag
2-4-7	35099	2.72	5.03	7.94		105	CM	Bulk
23-11-17	35100	23.45	11.73	18.31		103	CM	Bulk
46-00-00	34609	45.78	0.00	0.00		100	Mat	Bulk
5-9-14	35096	5.31	10.30	16.30		107	CM	Bulk
9-18-28	35106	9.38	18.64	29.18		102	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.30	99.10	103.55				
ALL SAMPLES,CV %		8.21	6.91	3.54				
NUMBER OF ANALYSIS		25	25	26				
Deficiency Rate = 13.79 %								

PADUCAH AG SERVICES PADUCAH KY 42001								
10-26-26	34269	9.92	24.91	27.22		99	CM	Bulk
10-26-26	34270	9.70	25.42	26.20		98	CM	Bulk
15-17-22	34431	14.07	17.66	23.55		100	CM	Bulk
15-17-22	34432	14.17	17.31	23.54		99	CM	Bulk
22-10-13	34271	21.01	11.01	14.99		100	CM	Bulk
22-10-13	34272	21.80	10.10	13.77		97	CM	Bulk
22-10-13	34273	21.17	10.93	14.56		99	CM	Bulk
22-10-13	34274	21.81	10.18	13.83		98	CM	Bulk

PARRISH SHOP/SALES HENDERSON KY 42420								
15-11-11	35406	15.85	10.14	13.15		103	CM	Liq
16-7-12	35407	16.73	6.88	14.96		103	CM	Liq
16-8-11	35408	17.07	7.85	13.33		103	CM	Liq
19-8-8	35405	19.29	8.15	9.02		101	CM	Liq

PLATTE CHEMICAL GREELEY CO 80632								
07-14-07	35279	8.45	11.68 *	6.19 *		94 *	Mnfr	Liq
07-14-07	35424	7.38	13.67	7.15		100	Mnfr	Liq

PLEASANT VIEW FARMS AUBURN KY 42206								
10-26-25	33798	10.26	26.52	26.17		100	CM	Bulk
15-13-23	33791	14.84	14.12	24.28		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
PLEASANT VIEW FARMS AUBURN KY 42206								
17-17-17	33790	17.83	18.07	17.74		101	CM	Bulk
17-17-17	33792	17.56	19.08	17.55		102	CM	Bulk
17-17-17	33793	17.72	18.28	18.09		102	CM	Bulk
17-17-17	33797	17.43	18.97	17.56		102	CM	Bulk
17-17-17	33800	17.16	18.45	18.35		101	CM	Bulk
Statistical Analysis for Grade : 17-17-17								
Number of Samples This Grade : 5								
Average Analysis :		17.54	18.57	17.86		101.5		
CV, %		1.49	2.36	1.97				
17-18-18	33944	17.35	17.99	17.51		98	CM	Bulk
18-17-16	33789	18.68	16.63	16.59		99	CM	Bulk
21-14-14	33799	21.47	13.84	13.97		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.89	102.02	101.20				
ALL SAMPLES,CV %		1.46	3.91	2.55				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

POORE, C D FERTILIZER ALBANY KY 42602								
00-00-60	32836	0.00	0.00	59.35		99	Mat	Bulk
05-10-15	33214	5.53	11.01	17.01	*	112	Blend	Bag
10-10-10	33213	8.81 *	10.29	12.20		102	Blend	Bag
10-25-26	33205	9.64	24.62	27.94		98	CM	Bulk
12-24-24	33208	12.21	23.55	25.64		101	CM	Bulk
12-24-24	33211	11.82	23.17	26.18		101	CM	Bulk
18-46-00	32834	17.90	46.49	0.00		101	Mat	Bulk
19-19-19	33206	17.90	17.02 *	23.99		100	CM	Bulk
19-19-19	33209	18.97	19.02	20.64		102	CM	Bulk
19-19-19	33212	17.79	17.85	22.59		100	Blend	Bag
19-19-19	33273	18.63	19.75	19.68		102	CM	Bulk
21-13-13	33207	22.21	12.10 *	13.76		98	CM	Bulk
27-0-12	33210	27.49	0.00	12.60		102	CM	Bulk
34-00-00	32837	33.93	0.00	0.00		100	Mat	Bulk
46-00-00	32835	45.96	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.77	98.16	110.06				
ALL SAMPLES,CV %		5.28	6.48	7.7				
NUMBER OF ANALYSIS		14	11	12				
Deficiency Rate = 20.00 %								

PURSELL INDUSTRIES SYLACAUGA AL 35150								
10-10-10	33071	10.52	9.82	11.69		105	Blend	Bag
10-10-10	33843+	10.84	10.00	10.60		104	Blend	Bag
10-10-10	34452	9.72	11.21	10.53		105	Blend	Bag
10-10-10	34454	10.10	10.96	9.04 *		102	Blend	Bag
12-04-08	33395+	12.11	5.15	9.09		110	Blend	Bag
24-03-10	33077+	25.77	3.79	11.52		111	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
PURSELL INDUSTRIES SYLACAUGA AL 35150								
24-03-10	33396+	24.08	4.19	9.29		103	Blend	Bag
28-03-03	34451	26.49	2.82	4.03		97	Blend	Bag
29-02-05	33643+	30.89	3.05	4.95		109	Blend	Bag
29-02-05	34012+	27.55 *	2.16	5.82		98	Blend	Bag
29-03-04	33075+	29.71	2.99	4.07		102	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.72	115.35	108.33				
ALL SAMPLES,CV %		4.73	16.45	11.62				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 18.18 %								
RICH POND CROP SVC. BOWLING GREEN KY 42101								
17-18-19	33547	18.84	18.71	18.53		101	CM	Bulk
17-18-19	33548	17.49	19.41	20.32		102	CM	Bulk
19-19-19	33545	17.92	19.61	21.63		100	CM	Bulk
25-27-0	33495	25.99	28.31	0.00		102	CM	Bulk
26-23-0	33544	26.25	27.27	0.00		106	CM	Bulk
32-10-9	33489	32.40	10.03	11.12		101	CM	Bulk
32-10-9	33493	32.68	11.38	9.33		102	CM	Bulk
32-10-9	33494	32.27	7.62 *	12.27		97	CM	Bulk
35-9-6	33546	36.54	8.42	6.57		101	CM	Bulk
8-40-13	32574	8.64	41.08	13.34		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.06	98.50	109.99				
ALL SAMPLES,CV %		3.5	11.49	10.79				
NUMBER OF ANALYSIS		10	10	8				
Deficiency Rate = 10.00 %								
RIPS FARM CENTER TOLLESBORO KY 41189								
05-10-15	35325	4.82	9.92	15.14		100	Blend	Bulk
13-08-12	35210	13.19	8.77	11.35		102	CM	Bulk
14-10-15	35207	14.09	10.14	15.71		100	CM	Bulk
15-15-24	35208	14.98	15.65	25.09	*	101	CM	Bulk
15-9-14	35213	15.46	8.96	15.95		101	CM	Bulk
18-13-13	35211	17.58	13.27	13.50		101	CM	Bulk
19-19-19	33635	19.63	18.45	20.22		102	Blend	Bulk
19-19-19	35209	19.05	19.52	19.56		101	CM	Bulk
20-12-19	35212	20.18	13.23	19.73		100	CM	Bulk
21-13-19	35206	20.41	12.84	20.52		101	CM	Bulk
7-15-23	35205	7.34	15.47	23.80		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.23	100.82	102.86				
ALL SAMPLES,CV %		2.59	4.79	3.26				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								
ROCKCASTLE FARM SUPPLY MT VERNON KY 40456								
18-18-18	34469	18.07	19.97	18.86		102	CM	Bulk
19-19-19	34472	18.66	19.48	19.63		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
ROCKCASTLE FARM SUPPLY MT VERNON KY 40456								
19-19-19	34473	18.64	20.74	18.61		102	CM	Bulk
19-19-19	34474	18.47	19.58	19.68		101	CM	Bulk
ROYSER CLARK (ADA) ADAIRVILLE KY 42202								
18-17-11	34391+	17.90	16.93	13.34		98	CM	Bulk
19-10-10	34390+	19.73	10.22	10.19		102	CM	Bulk
2-33-10	34740+	2.71	33.17	9.95		101	CM	Bulk
21-8-8	34741+	20.43	9.36	10.14		103	CM	Bulk
22-9-9	34651+	22.17	10.16	8.88		100	CM	Bulk
22-9-9	34652+	22.02	9.64	9.48		99	CM	Bulk
24-27-0	33470	24.20	28.19	0.00		101	CM	Bulk
30-11-8	34392+	30.22	10.89	9.01		100	CM	Bulk
8-25-19	34389+	8.61	26.05	20.24		102	CM	Bulk
8-25-20	34433+	8.56	26.01	20.21		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.24	101.33	102.87				
ALL SAMPLES,CV %		3.24	3.72	6.13				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate = 0.00 %								
ROYSER CLARK (COLL) COLLINSVILLE IL 62234-1986								
00-00-22	33466+	0.00	0.00	21.48		98	Mat	Bulk
00-00-50	35060	0.00	0.00	49.62		99	Mat	Bulk
00-00-60	32761	0.00	0.00	59.88		100	Mat	Bulk
00-00-60	32927	0.00	0.00	59.48		99	Mat	Bulk
00-00-60	33250	0.00	0.00	59.88		100	Mat	Bulk
00-00-60	33453	0.00	0.00	60.22		100	Mat	Bulk
00-00-60	33467	0.00	0.00	59.62		99	Mat	Bulk
00-00-60	33479	0.00	0.00	60.27		100	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 6								
Average Analysis :		0.00	0.00	59.89		99.8		
CV, %		0	0	0.53				
00-46-00	32926	0.00	45.75	0.00		99	Mat	Bulk
00-46-00	33251	0.00	45.93	0.00		100	Mat	Bulk
00-46-00	33457	0.00	45.66	0.00		99	Mat	Bulk
00-46-00	33464	0.00	46.42	0.00		101	Mat	Bulk
05-20-20	33463+	5.15	20.03	21.60		103	Mnfr	Bulk
18-08-00	33456+	17.76	8.24	0.00		100	Mat	Bulk
18-46-00	32760	17.61	46.64	0.00		100	Mat	Bulk
18-46-00	32925	17.68	46.24	0.00		100	Mat	Bulk
18-46-00	33249	17.84	46.02	0.00		100	Mat	Bulk
18-46-00	33455	17.77	45.91	0.00		100	Mat	Bulk
18-46-00	33469	17.71	45.97	0.00		100	Mat	Bulk
18-46-00	33478	17.75	45.75	0.00		99	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 : 18-46-00								
Number of Samples This Grade : 6								
Average Analysis :		17.73	46.09	0.00		99.7		
CV, %		0.45	0.68	0				
28-00-00	35401	28.00	0.00	0.00		100	Mat	Liq
32-00-00	33253	32.00	0.00	0.00		100	Mat	Liq
32-00-00	33477	32.00	0.00	0.00		100	Mat	Liq
32-00-00	33610	32.00	0.00	0.00		100	Mat	Liq
32-00-00	34067	32.00	0.00	0.00		100	Mat	Liq
34-00-00	33252	33.72	0.00	0.00		99	Mat	Bulk
34-00-00	33458	34.01	0.00	0.00		100	Mat	Bulk
34-00-00	33468	33.99	0.00	0.00		100	Mat	Bulk
34-00-00	33480	34.17	0.00	0.00		100	Mat	Bulk
46-00-00	33454	46.08	0.00	0.00		100	Mat	Bulk
46-00-00	33465	46.06	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.61	100.32	100.42				
ALL SAMPLES,CV %		1.15	1.04	2.95				
NUMBER OF ANALYSIS		19	12	9				
Deficiency Rate = 0.00 %								
ROYSER CLARK (FANC) FANCY FARM KY 42039								
09-23-30	34063	9.09	23.77	29.10		101	CM	Bulk
4-11-14	32638	5.26	11.78	16.36		108	CM	Bulk
4-11-14	32639	5.23	11.74	17.38		110	CM	Bulk
9-23-30	32636	8.67	23.96	31.83		104	CM	Bulk
9-23-30	32637	8.73	24.23	30.82		103	CM	Bulk
9-23-30	34062	9.25	24.17	28.64		101	CM	Bulk
9-23-30	34064	9.03	23.93	29.27		101	CM	Bulk
9-23-30	34065	9.01	23.22	30.24		101	CM	Bulk
9-23-30	34066	8.98	23.00	30.27		100	CM	Bulk
9-23-30	34788	8.66	23.77	30.06		101	CM	Bulk
9-23-30	34789	8.89	22.28	30.06		98	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 8								
Average Analysis :		8.90	23.57	30.15		101.1		
CV, %		2.32	2.88	3.16				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.36	102.56	102.40				
ALL SAMPLES,CV %		7.25	2.42	5.89				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								
ROYSER CLARK (FLO) FLORENCE AL 35631								
06-12-18	33481	5.77	12.29	18.89		103	Mnfr	Bulk
06-12-18	34738+	6.22	11.54	19.12		103	Mnfr	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

ROYSTER CLARK (FLO)	FLORENCE	AL 35631						
13-13-13	34275+	12.96	13.42	13.12		101	Mnfr	Bag

ROYSTER CLARK (FRAN)	FRANKLIN	KY 42134						
0-22-28	33452	0.00	22.95	29.09		103	CM	Bulk
0-27-24	33449	0.00	29.17	23.71		103	CM	Bulk
0-27-24	33450	0.00	28.85	24.11		103	CM	Bulk
0-27-24	33451	0.00	28.74	24.05		103	CM	Bulk
0-27-24	33482	0.00	28.29	24.20		102	CM	Bulk
0-27-24	33483	0.00	27.97	24.40		101	CM	Bulk
Statistical Analysis for Grade : 0-27-24								
Number of Samples This Grade : 5								
Average Analysis :		0.00	28.60	24.09		102.5		
CV, %		0	1.66	1.05				
19-7-7	34175+	19.32	8.79	8.15		106	CM	Bulk
21-13-13	33945	21.38	12.78 *	13.99		98	CM	Bulk
27-13-8	34173+	27.38	12.02 *	9.58		97 *	CM	Bulk
27-13-8	34174+	26.54	13.54	10.39		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.80	101.56	103.66				
ALL SAMPLES,CV %		1.98	7.83	5.51				
NUMBER OF ANALYSIS		4	10	10				
Deficiency Rate = 20.00 %								

ROYSTER CLARK (HARD)	HARDIN	KY 42048						
18-14-14	35224	18.30	14.49	15.73		101	CM	Bulk
19-19-19	33611	18.83	19.27	20.12		100	CM	Bulk
19-19-19	33612	19.20	19.16	19.85		100	CM	Bulk
27-11-15	35227	26.40	11.59	16.57		100	CM	Bulk
27-11-15	35228	26.92	11.33	15.52		99	CM	Bulk
31-9-12	35222	31.76	9.23	11.75		101	CM	Bulk
5-15-13	32687	6.53	15.38	13.35		104	CM	Bulk
9-23-30	34061	8.30	22.14	31.49		99	CM	Bulk
9-23-30	35223	9.15	23.16	29.03		99	CM	Bulk
9-23-30	35225	8.86	23.63	28.67		99	CM	Bulk
9-23-30	35226	8.61	23.66	29.80		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.26	99.74	101.72				
ALL SAMPLES,CV %		4.82	2.38	3.94				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								

ROYSTER CLARK (MURR)	MURRAY	KY 42071						
0-26-25	35229	0.00	26.24	26.35		101	CM	Bulk
0-26-25	35230	0.00	26.09	26.41		101	CM	Bulk
21-23-7	33247	21.27	22.64	8.89		100	CM	Bulk
21-23-7	33248	21.57	22.34	7.62		98	CM	Bulk
5-14-18	32614	5.99	13.45	19.63		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
ROYSER CLARK (MURR) MURRAY KY 42071								
5-14-18	32615	6.28	14.29	19.57		103	CM	Bulk
5-14-18	32616	6.57	15.97	19.06		109	CM	Bulk
9-23-30	32499	9.13	23.59	29.61		101	CM	Bulk
9-23-30	32500	8.94	22.60	30.20		99	CM	Bulk
9-23-30	33522	8.52	24.19	30.30		102	CM	Bulk
9-23-30	33523	8.31	23.42	31.08		101	CM	Bulk
9-23-30	33524	8.52	23.05	33.83		101	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 5								
Average Analysis :		8.68	23.37	31.00		100.8		
CV, %		3.9	2.55	5.37				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.43	100.57	104.39				
ALL SAMPLES,CV %		7.8	4.36	5.41				
NUMBER OF ANALYSIS		10	12	12				
Deficiency Rate = 0.00 %								
ROYSER CLARK (SED) SEDALIA KY 42079								
5-14-18	32688	6.02	14.27	19.73		103	CM	Bulk
5-14-18	32689	6.37	14.87	18.49		103	CM	Bulk
6-16-21	32609	7.10	17.65	22.43		105	CM	Bulk
6-16-21	32610	7.00	16.63	21.78		101	CM	Bulk
6-16-21	32612	6.61	16.21	22.50		100	CM	Bulk
6-16-21	32613	7.58	17.67	22.31		106	CM	Bulk
9-23-30	32611	9.33	23.89	31.26		104	CM	Bulk
9-23-30	34385	8.26	22.30	31.95		100	CM	Bulk
9-23-30	34386	8.43	22.11	31.66		99	CM	Bulk
9-23-30	34387	8.47	22.12	31.71		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.57	100.33	103.38				
ALL SAMPLES,CV %		8.04	3.89	2.51				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
ROYSER CLARK (TARB) TARBORO NC 27886								
00-00-00	33873+	0.00	0.00	0.00			Mat	Bag
00-00-00	34113+	0.00	0.00	0.00			Mat	Bag
ROYSER CLARK (UTICA) UTICA KY 42376								
0-15-40	35372	0.00	14.81	40.20		99	CM	Bulk
0-15-40	35373	0.00	17.08	37.93 *		101	CM	Bulk
0-15-40	35375	0.00	16.49	37.93 *		100	CM	Bulk
15-12-13	35374	16.86	14.53	13.96		109	CM	Bulk
22-08-08	35389+	21.88	8.01	9.24		105	CM	Bulk
22-08-09	35388+	21.62	8.94	9.39		104	CM	Bulk
22-08-09	35400	21.05	9.54	10.05		106	CM	Bulk
22-7-8	35399+	21.85	8.71	9.74		105	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

ROYSTER CLARK (UTICA)	UTICA KY 42376							
6-16-21	32560	7.49	17.84	21.47		105	CM	Bulk

ROYSTER CLARK (WASH)	WASHINGTON CH OH 43160							
05-10-10	32435	5.97	9.02 *	10.09		100	Blend	Bag
05-10-15	32434	6.03	9.58	17.43		111	Blend	Bag
05-10-15	34360	4.89	9.27	16.74		104	Blend	Bag
05-10-15	35398	5.49	9.66	14.93		100	Blend	Bag
06-24-24	34359	5.82	24.99	23.27		101	Blend	Bag
09-23-30	34363	8.99	24.36	28.72		101	Blend	Bulk
09-23-30	35396	9.52	23.70	29.04		101	Blend	Bag
10-10-10	32438	9.36	9.06 *	10.59		95 *	Blend	Bag
10-20-20	32437	12.36	21.99	19.55		110	Blend	Bag
12-12-12	32436	11.61	11.44	12.14		97	Blend	Bag
12-12-12	32790	12.18	11.78	12.82		101	Blend	Bag
12-12-12	34358	11.86	12.71	12.03		102	Blend	Bag
13-13-13	32439	14.10	13.28	13.39		105	Mnfr	Bag
19-19-19	32440	18.33	21.81	20.82		107	Blend	Bag
19-19-19	32791	19.63	17.78	20.39		100	Blend	Bag
19-19-19	34357	18.97	18.78	19.78		100	Blend	Bag
19-19-19	34361	19.94	16.93 *	20.10		99	Blend	Bulk
19-19-19	34362	19.07	18.80	19.24		100	Blend	Bulk
19-19-19	34915	18.82	19.82	19.59		102	Blend	Bag
19-19-19	35397	19.03	19.23	19.17		101	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 7								
Average Analysis :		19.11	19.02	19.87		101.3		
CV, %		2.77	8.17	3.05				

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.86	99.56	103.23				
ALL SAMPLES,CV %		8.2	6.88	5.12				
NUMBER OF ANALYSIS		20	20	20				
Deficiency Rate = 15.00 %								

RUDOLPH FARM SUPPLY, INC		SALEM KY 42078						
00-00-60	32780	0.00	0.00	59.40		99	Mat	Bulk
10-26-25	34658	9.84	25.82	27.16		100	CM	Bulk
18-46-00	32781	17.92	46.70	0.00		101	Mat	Bulk
20-19-17	34654	19.71	18.71	19.07		98	CM	Bulk
20-19-17	34655	19.68	20.84	17.59		101	CM	Bulk
21-18-18	34262	20.49	16.88 *	19.47		98	CM	Bulk
24-17-15	34258	22.73	18.86	15.78		102	CM	Bulk
25-24-0	34264	24.04	25.96	0.00		100	CM	Bulk
25-25-00	34263	24.48	25.22	0.00		99	CM	Bulk
32-23-0	34653	32.17	23.17	0.00		101	CM	Bulk
34-00-00	32783	33.20	0.00	0.00		99	Mat	Bulk
46-00-00	32782	45.64	0.00	0.00		99	Mat	Bulk
9-23-30	34656	9.16	23.96	29.17		101	CM	Bulk
9-23-30	34657	8.77	23.15	30.59		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

RUDOLPH FARM SUPPLY, INC SALEM KY 42078								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.34	101.29	103.88				
ALL SAMPLES,CV %		2.6	4.93	4.47				
NUMBER OF ANALYSIS		13	11	8				
Deficiency Rate = 7.14 %								

RUSSELLVILLE CROP SERVICE RUSSELLVILLE KY 42276-0008								
1-8-20	32578	1.95	9.68	22.38		111	CM	Bulk
10-9-10	33658	9.99	10.39	10.31		102	CM	Bulk
11-28-22	33721	10.27	27.30	24.73		98	CM	Bulk
17-22-19	33716	16.09	21.88	21.13		98	CM	Bulk
19-19-19	33657	18.34	18.71	21.77		100	CM	Bulk
19-19-19	33717	18.65	19.22	19.51		99	CM	Bulk
23-15-3	33720+	22.28	18.25	3.38		105	CM	Bulk
23-20-10	33659	23.29	20.52	10.23		100	CM	Bulk
6-24-25	33715+	8.19	21.87 *	24.80		98	CM	Bulk
6-30-19	33722	6.14	30.06	20.33		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.81	101.65	103.69				
ALL SAMPLES,CV %		10.82	8.25	6.3				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								

SCHOCHOH CROP RUSSELLVILLE KY 42276								
6-24-30	32575	6.43	25.13	30.44		102	CM	Bulk
6-26-27	32526	6.81	27.46	27.37		102	CM	Bulk
6-26-27	32527	6.58	27.25	28.81		103	CM	Bulk
7-26-26	32518	7.61	28.29	27.18		104	CM	Bulk
7-26-26	32519	7.31	28.27	26.37		102	CM	Bulk
7-26-27	32515	7.34	27.86	26.81		103	CM	Bulk
7-26-27	32516	7.55	27.72	28.22		105	CM	Bulk
7-27-27	32576	6.97	26.66	28.97		100	CM	Bulk
7-27-27	32577	6.87	27.75	29.60		103	CM	Bulk
8-20-26	34388+	8.52	20.79	26.63		104	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.61	103.31	102.69				
ALL SAMPLES,CV %		3.88	2.25	3.21				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

SCHULTZ CO. BRIDGETON MO 63044								
29-03-03	33394+	29.35	3.25	3.68		103	Blend	Bag

SCOTTS MIRACLE-GRO PRODUCTS, INC MARYSVILLE OH 43041								
18-24-16	34008+	12.84 *	22.04 *	17.02		92 *	Mnfr	Bag
20-27-05	33078	20.73	27.22	5.61		103	Blend	Bag
28-03-03	33072+	29.39	3.25	3.32		106	Mnfr	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SCOTTS MIRACLE-GRO PRODUCTS, INC MARYSVILLE OH 43041								
28-03-03	34006	29.32	3.66	2.95		106	Blend	Bag
29-03-04	34011+	29.98	3.43	4.18		104	Blend	Bag
29-03-04	34461	29.24	3.29	4.34		102	Blend	Bag
29-03-04	34464	29.41	3.14	4.12		102	Blend	Bag
29-03-04	34465	28.94	3.24	4.53		102	Blend	Bag
29-03-04	34635	29.22	3.11	4.21		101	Blend	Bag
Statistical Analysis for Grade : 29-03-04								
Number of Samples This Grade : 5								
Average Analysis :		29.36	3.24	4.28		102.3		
CV, %		1.32	3.95	3.82				
30-03-04	33073+	30.92	3.48	4.46		105	Blend	Bag
31-03-09	34803+	31.53	3.13	9.43		102	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.60	107.60	107.12				
ALL SAMPLES,CV %		9.57	7.54	4.25				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								

SCOTTS SIERRA MARYSVILLE OH 43041								
14-14-14	35118	14.24	13.98	14.24		101	Blend	Bag

SHELLEY, W.H. HILLSBORO KY 41049								
00-00-60	34692	0.00	0.00	61.20		102	Mat	Bulk
10-26-25	35433	10.19	26.79	26.10		101	CM	Bulk
18-46-00	34691	17.73	45.46	0.00		99	Mat	Bulk
18-46-00	35431	17.79	45.22	0.00		98	Mat	Bulk
19-19-19	35434	19.83	20.46	19.44		102	CM	Bulk
21-21-14	35432	22.75	21.93	14.04		101	CM	Bulk
34-00-00	34694	33.71	0.00	0.00		99	Mat	Bulk
46-00-00	34693	45.83	0.00	0.00		100	Mat	Bulk

SPEED AG SERVICE HICKMAN KY 42050								
00-00-60	32768	0.00	0.00	60.80		101	Mat	Bulk
18-46-00	32767	17.70	46.04	0.00		100	Mat	Bulk
21-00-15	34373	21.15	0.00	17.98		106	CM	Bulk
23-5-15	34372	22.19	5.97	16.91		100	CM	Bulk
23-5-15	34377	20.86 *	5.51	19.25		99	CM	Bulk
23-5-15	34378	20.23 *	6.32	19.82		101	CM	Bulk
32-00-00	34371	32.00	0.00	0.00		100	Mat	Liq
34-00-00	32765	33.42	0.00	0.00		100	Mat	Bulk
46-00-00	32766	46.20	0.00	0.00		100	Mat	Bulk
5-14-19	32685+	6.30	15.39	20.41		105	CM	Bulk
6-16-13	32683	6.94	15.78	17.60		108	CM	Bulk
6-16-13	32684	7.09	16.84	15.87		109	CM	Bulk
8-22-31	34374	8.40	22.37	33.23		102	CM	Bulk
8-22-31	34376	7.85 *	21.14	33.20		99	CM	Bulk
9-23-30	34375	8.59	21.87	31.82		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SPEED AG SERVICE HICKMAN KY 42050								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.03	100.16	113.53				
ALL SAMPLES,CV %		7.84	5.19	8.78				
NUMBER OF ANALYSIS		14	10	11				
Deficiency Rate = 20.00 %								

SQM NORTHAMERICA ATLANTA GA 30339								
15-00-14	35411	14.83	0.00	15.73		106	Mat	Bag

SS (BARD) BARDSTOWN SVC BARDSTOWN KY 40004								
15-0-40	35172	15.70	0.00	39.15		100	CM	Bulk
16-14-22	35169	16.39	15.26	22.11		101	CM	Bulk
21-15-20	33780	21.64	15.66	19.52		101	CM	Bulk
21-15-20	33781	21.65	14.95	20.36		100	CM	Bulk
21-26-10	33774	21.13	25.65	11.14		99	CM	Bulk
30-0-20	33778	28.84 *	0.00	22.51		100	CM	Bulk
30-0-20	33779	31.00	0.00	19.50		100	CM	Bulk
34-0-15	35170	36.83	0.00	12.78 *		102	CM	Bulk
34-0-15	35171	34.92	0.00	15.86		102	CM	Bulk

SS (BOWL) BOWLING GREEN COOP BOWLING GREEN KY 42101								
10-27-24	32581	10.52	27.56	24.93		100	CM	Bulk
12-24-24	33501	11.62	25.08	26.21		102	CM	Bulk
21-15-20	33504	21.39	16.08	21.03		103	CM	Bulk
5-24-28	32555	5.64	24.93	27.96		101	CM	Bulk
6-23-30	32582	5.74	23.76	31.45		103	CM	Bulk
6-23-30	32583	5.99	23.44	31.74		103	CM	Bulk
8-22-29	33500+	8.46	23.08	30.18		102	CM	Bulk
8-22-30	32553	8.46	22.45	31.10		100	CM	Bulk
9-38-10	32549	8.51	38.04	10.19		99	CM	Bulk
9-38-10	32550	8.67	37.86	11.20		100	CM	Bulk
9-38-10	32554	8.50	37.99	10.76		99	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.81	101.32	104.64				
ALL SAMPLES,CV %		2.16	2.09	3.38				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								

SS (BRIS) COOP INC. BRISTOL VA 24201								
05-10-10	33671	5.83	10.72	11.85		113	Blend	Bag

SS (CADI) CADIZ BR CADIZ KY 42211								
10-25-26	33333	9.93	25.96	27.31		101	CM	Bulk
10-25-26	33334	9.83	26.13	26.93		101	CM	Bulk
10-25-26	33335	9.67	25.22	27.89		100	CM	Bulk
10-25-26	33336	10.02	26.24	26.46		101	CM	Bulk
10-26-25	34217	9.02 *	23.35 *	29.95		97	CM	Bulk
10-26-25	34218	9.98	26.77	25.69		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (CADI) CADIZ BR CADIZ KY 42211								
10-26-25	34219	10.27	26.94	25.76		102	CM	Bulk
12-30-20	34220	11.79	30.66	20.41		100	CM	Bulk
4-19-19	32591	4.77	20.62	20.47		105	CM	Bulk
4-19-19	32592	4.77	20.28	20.67		104	CM	Bulk
4-19-19	32593	4.86	20.31	19.81		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.58	100.33	103.52				
ALL SAMPLES,CV %		8.94	4.12	4.45				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
SS (CALH) CALHOUN CALHOUN KY 42327								
09-23-30	32646	8.74	24.81	29.16		102	CM	Bulk
10-26-25	32542	10.33	27.35	25.10		101	CM	Bulk
11-28-22	34637	11.11	29.23	22.41		101	CM	Bulk
11-28-22	34638	11.07	29.01	22.34		100	CM	Bulk
6-15-39	35265	5.62	14.79	39.50		97	CM	Bulk
9-18-27	35263	10.28	21.47	24.87 *		101	CM	Bulk
9-23-30	32647	8.66	24.12	30.29		102	CM	Bulk
9-23-30	34636	8.91	22.69	30.74		100	CM	Bulk
9-23-30	35264	8.94	23.28	29.56		100	CM	Bulk
9-23-30	35266	7.89 *	21.32 *	33.17		98	CM	Bulk
9-23-30	35267	8.75	23.24	29.69		100	CM	Bulk
9-23-30	35268	8.60	22.99	29.45		99	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 6								
Average Analysis :		8.62	22.94	30.48		99.7		
CV, %		4.48	4.04	4.6				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.08	102.19	99.09				
ALL SAMPLES,CV %		5.73	5.57	4.73				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 16.67 %								
SS (CAMP) CAMPBELLSVILLE CAMPBELLSVILLE KY 42718								
19-19-19	34724	18.54	19.34	20.21		99	CM	Bulk
23-11-11	34725	22.88	10.90	11.85		98	CM	Bulk
7-7-7	34726	7.30	7.44	7.64		104	CM	Bulk
9-9-9	32493	10.03	10.11	10.97		106	CM	Bulk
SS (CAMP) KNTCKANA SVC CMPBLL BR CAMPBELLSBURG KY 40011								
11-11-16	35308	11.93	11.59	17.56		104	CM	Bulk
15-9-14	35306	15.79	10.41	18.40		112	CM	Bulk
22-11-18	35307	21.96	11.50	19.50		101	CM	Bulk
27-13-13	34023	26.32	13.76	14.46		100	CM	Bulk
36-0-10	35305	36.70	0.00	10.92		102	CM	Bulk
SS (CARL) OWINGS SVC-CARLISLE BR CARLISLE KY 40311								

19-13-20	35068	19.23	13.56	21.50	102	CM	Bulk
19-19-19	34154	18.70	21.28	21.13	105	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (CARL) OWINGS SVC-CARLISLE BR CARLISLE KY 40311								
20-7-10	34767	20.20	7.40	11.15		100	CM	Bulk
21-6-10	34768	20.93	6.93	10.87		99	CM	Bulk
26-14-14	34770	26.21	13.63	14.03		98	CM	Bulk
6-12-19	35069	6.73	12.55	18.75		99	CM	Bulk
8-10-16	35070	8.11	10.26	15.71		96 *	CM	Bulk
8-10-16	35071	8.36	10.35	15.80		97	CM	Bulk
9-18-28	34769	8.94	17.99	29.62		101	CM	Bulk
9-18-28	34771	9.32	18.10	28.79		100	CM	Bulk
9-18-28	35067	9.37	18.76	28.41		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.01	98.97	101.92				
ALL SAMPLES,CV %		3.02	4.21	3.71				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
SS (COLU) GREEN RVR SVC ADAIR COLUMBIA KY 42728								
16-16-16	33809	16.74	16.73	16.76		100	CM	Bulk
19-19-19	33807	17.94	19.21	20.99		99	CM	Bulk
19-19-19	33808	18.61	19.62	19.59		99	CM	Bulk
19-19-19	33812	18.58	18.86	20.67		99	CM	Bulk
19-19-19	33813	17.26 *	20.50	20.46		100	CM	Bulk
19-19-19	35352	19.44	20.22	19.52		102	CM	Bulk
19-19-19	35353	19.18	19.09	20.63		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		18.50	19.58	20.31		100.0		
CV, %		4.34	3.35	3				
22-12-12	33810	21.73	13.41	13.11		100	CM	Bulk
22-12-12	33811	21.67	12.54	13.51		99	CM	Bulk
22-12-12	33814	21.92	13.23	12.78		100	CM	Bulk
24-15-15	33284	24.01	15.33	16.56		100	CM	Bulk
24-15-15	33285	24.37	15.49	16.33		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.88	100.83	104.00				
ALL SAMPLES,CV %		3.36	2.85	3.07				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 8.33 %								
SS (CYN) LEXINGTON COOP-CYN BRANCH CYNTHIANA KY 41031								
11-6-14	34926	11.31	6.21	15.24		101	CM	Bulk
12-2-10	34934	12.32	2.88	10.46		102	CM	Bulk
15-12-19	34928	15.62	12.47	20.53		100	CM	Bulk
18-0-24	35042	16.94	0.00	25.15		99	CM	Bulk
18-6-20	34927	18.06	6.28	19.93		99	CM	Bulk
19-19-19	34580	19.31	18.63	19.82		99	CM	Bulk
20-0-20	35043	18.87	0.00	21.25		99	CM	Bulk
20-12-16	34581	19.83	12.57	16.98		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (CYN) LEXINGTON COOP-CYN BRANCH CYNTHIANA KY 41031								
21-17-18	34579	20.44	17.68	19.38		100	CM	Bulk
23-12-19	34577	23.32	12.06	19.63		99	CM	Bulk
23-17-14	34578	23.15	17.15	15.17		98	CM	Bulk
39-0-8	34929	39.11	0.00	8.21		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.76	97.82	102.03				
ALL SAMPLES, CV %		2.7	2.84	2.39				
NUMBER OF ANALYSIS		12	9	12				
Deficiency Rate = 0.00 %								

SS (DANV) COOP BOYLE BR DANVILLE KY 40422								
23-10-11	34621	23.57	10.71	11.65		99	CM	Bulk

SS (ELIZ) HARDIN COOP, INC ELIZABETHTOWN KY 42701								
18-18-18	33888	17.91	18.95	19.64		100	CM	Bulk
18-19-20	33898	18.56	18.73	20.68		99	CM	Bulk
19-19-18	34077	18.74	20.43	18.69		100	CM	Bulk
19-19-19	33885	19.05	18.82	19.67		99	CM	Bulk
19-19-19	33886	19.54	19.91	18.66		101	CM	Bulk
19-19-19	33887	18.58	18.62	20.28		98	CM	Bulk
19-19-19	33900	19.18	19.47	19.22		100	CM	Bulk
19-19-19	33962	19.06	18.40	20.62		99	CM	Bulk
19-19-19	33963	19.31	18.99	20.64		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		19.12	19.03	19.85		99.5		
CV, %		1.68	2.95	4.06				
19-20-18	33899	19.42	20.88	17.55		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.22	99.70	101.56				
ALL SAMPLES, CV %		1.86	3.24	4.04				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

SS (ELKT) RUSS.-TODD BRANCH ELKTON KY 42220								
10-27-23	33374	10.47	27.98	23.27		99	CM	Bulk
10-27-24	33382	10.16	27.19	24.40		99	CM	Bulk
10-27-24	33383	10.30	27.40	23.75		98	CM	Bulk
10-27-24	33386	10.45	28.18	23.38		100	CM	Bulk
10-27-24	33387	10.22	27.00	24.29		98	CM	Bulk
11-28-22	33736	10.52	27.72	23.47		98	CM	Bulk
19-19-19	33381	18.83	19.65	19.45		100	CM	Bulk
19-19-19	33448	17.07 *	21.32	21.02		102	CM	Bulk
21-15-20	33385	21.20	15.19	20.12		100	CM	Bulk
29-15-10	33384	28.14	15.33	11.04		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (ELKT) RUSS.-TODD BRANCH ELKTON KY 42220								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.29	100.62	102.06				
ALL SAMPLES,CV %		3.22	3.75	4.37				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								
SS (EMIN) INC KNTCKANA SVC-HENRY BR EMINENCE KY 40019-9801								
06-15-38	34033+	5.41	13.95	39.68		100	CM	Bulk
07-19-25	34030	7.78	19.56	26.50		106	CM	Bulk
10-25-24	34029+	9.59	24.53	26.06		98	CM	Bulk
11-8-37	34035+	10.41	9.79	37.81		102	CM	Bulk
19-19-19	34034	18.87	19.26	19.50		99	CM	Bulk
20-0-26	34032+	20.78	0.00	25.55		99	CM	Bulk
26-13-13	34522	25.21	13.81	15.12		98	CM	Bulk
3-8-38	34524+	3.77	9.38	39.48		104	CM	Bulk
4-10-45	34521	3.95	11.32	45.72		100	CM	Bulk
7-18-36	34523	6.81	17.74	37.41		100	CM	Bulk
7-20-25	34031+	8.04	20.09	25.81		101	CM	Bulk
9-23-30	34525	8.28	21.29 *	32.02		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.82	100.57	103.27				
ALL SAMPLES,CV %		5.46	5.87	3.62				
NUMBER OF ANALYSIS		12	11	12				
Deficiency Rate = 8.33 %								
SS (FLEM) FLEMINGSBURG FLEMINGSBURG KY 41041								
0-13-41	34144	0.00	13.46	42.56		100	CM	Bulk
17-7-8	35395	17.91	7.77	9.60		104	CM	Bulk
18-18-18	34148	18.37	19.04	19.33		100	CM	Bulk
18-18-18	34150	16.24 *	14.83 *	25.52		95 *	CM	Bulk
19-19-19	34141	17.60	20.35	19.75		99	CM	Bulk
19-19-19	34142	18.55	18.65	20.01		98	CM	Bulk
2-6-26	34145	3.54	7.29	25.25		102	CM	Bulk
2-6-26	34147	3.43	6.79	25.60		101	CM	Bulk
26-12-12	34146	25.40	9.57 *	17.35		96 *	CM	Bulk
4-12-44	34149	4.57	12.27	44.72		101	CM	Bulk
5-12-33	34143+	5.40	13.08	34.88		103	CM	Bulk
9-23-30	35394	8.09 *	20.89 *	32.82		97	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.28	96.36	108.10				
ALL SAMPLES,CV %		15.08	10.53	13.16				
NUMBER OF ANALYSIS		11	12	12				
Deficiency Rate = 25.00 %								
SS (FRAN) ANDRSN FRNKLN-FRNKFRT SVC FRANKFORT KY 40601								
14-0-34	34513	14.71	0.00	34.54		101	CM	Bulk
15-10-22	35165	16.01	10.06	21.37		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (FRAN) ANDRSN FRNKLN-FRNKFRT SVC FRANKFORT KY 40601								
16-12-18	35164	17.10	12.02	19.27		101	CM	Bulk
19-19-19	34516	18.00	19.85	19.72		99	CM	Bulk
SS (FRAN) SIMPSON COOP FRANKLIN KY 42134								
08-22-28	32657	7.44 *	20.19	29.85		99	CM	Bulk
08-22-28	32658	7.17 *	19.29 *	30.25		95 *	CM	Bulk
10-25-26	34449	9.32	25.48	27.91		100	CM	Bulk
10-26-17	32655	10.39	26.46	18.87		103	CM	Bulk
10-26-23	32660	9.11 *	24.21 *	24.32		96 *	CM	Bulk
10-26-25	32656	9.38 *	26.03	26.62		98	CM	Bulk
10-26-26	32652	9.80	27.37	25.76		102	CM	Bulk
10-27-24	34439	10.29	28.44	23.88		101	CM	Bulk
10-27-24	34440	9.94	27.52	25.10		100	CM	Bulk
19-19-19	34441	18.25	18.93	20.59		99	CM	Bulk
6-17-15	32651	7.42	17.65	15.34		104	CM	Bulk
6-17-15	32653	6.96	17.55	16.88		105	CM	Bulk
6-17-15	32654	6.75	16.64	17.01		102	CM	Bulk
8-20-32	32659	7.26 *	19.78	34.19		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		94.67	98.19	105.99				
ALL SAMPLES,CV %		7.24	4.49	3.99				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate = 35.71 %								
SS (GEOR) GEORGETOWN COOP GEORGETOWN KY 40324								
11-0-17	34757	11.68	0.00	17.98		103	CM	Bulk
12-9-12	34099	12.90	8.78	12.21		99	CM	Bulk
12-9-12	34100	12.89	9.07	12.15		100	CM	Bulk
12-9-12	34101	11.50 *	8.80	12.33		95 *	CM	Bulk
20-0-23	35065	20.29	0.00	22.75		98	CM	Bulk
21-0-3	34754	22.40	0.00	3.55		105	CM	Bulk
21-0-3	34755	22.34	0.00	2.90		101	CM	Bulk
27-0-12	35066	27.99	0.00	10.52 *		100	CM	Bulk
28-0-20	34756	28.59	0.00	20.67		101	CM	Bulk
31-00-16	34758+	30.48	0.00	16.67		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.97	96.56	100.84				
ALL SAMPLES,CV %		4.04	1.82	7.05				
NUMBER OF ANALYSIS		10	3	10				
Deficiency Rate = 20.00 %								
SS (GLAS) GLASGOW COOP GLASGOW KY 42141								
12-12-12	33155	12.79	12.77	14.49		106	CM	Bulk
19-19-16	33153	19.07	19.22	20.15		104	CM	Bulk
19-19-19	33144	18.32	19.11	20.97		99	CM	Bulk
19-19-19	33146	19.19	19.00	20.14		100	CM	Bulk
19-19-19	33148	19.22	19.40	19.68		100	CM	Bulk
19-19-19	33154	18.46	19.79	19.66		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (GLAS) GLASGOW COOP GLASGOW KY 42141								
20-23-9	33149	20.27	23.03	9.59		100	CM	Bulk
25-9-9	33145	24.45	10.73	10.66		103	CM	Bulk
28-6-6	33152	28.57	6.01	6.48		100	CM	Bulk
31-9-12	33147	30.41	9.53	13.12		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.15	101.33	108.67				
ALL SAMPLES,CV %		2.67	5.13	7.02				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (GREE) GREENVILLE KY SVC GREENVILLE KY 42345								
19-13-20	35237	17.90	12.80	21.42		99	CM	Bulk
19-19-19	35234	18.85	18.22	20.26		98	CM	Bulk
19-19-19	35238	18.66	19.00	19.77		98	CM	Bulk
19-19-19	35239	18.52	20.21	19.02		100	CM	Bulk
5-15-34	35235+	4.86	15.55	34.68		98	CM	Bulk
5-15-34	35236+	4.94	17.00	33.22		100	CM	Bulk
SS (HARD) BRECK COOP HARDINSBURG KY 40143								
0-9-47	33558	0.00	9.67	48.07		101	CM	Bulk
07-14-07	34847	8.73	18.25	4.49 *		109	Mnfr	Liq
07-14-07	35277	7.51	15.10	2.39 *		86 *	Mnfr	Liq
16-21-21	33562	16.32	21.60	22.02		101	CM	Bulk
19-19-19	33563	19.92	18.90	19.81		101	CM	Bulk
20-11-13	35258	19.15	10.87	15.46		101	CM	Bulk
23-15-16	33557	24.22	15.65	15.98		100	CM	Bulk
23-15-16	33565	23.68	15.59	17.05		100	CM	Bulk
24-15-16	33564	24.20	15.35	15.70		99	CM	Bulk
27-13-13	33556	27.07	13.61	14.39		101	CM	Bulk
27-13-13	33566	27.36	13.07	14.46		100	CM	Bulk
28-0-22	33559	28.87	0.00	21.62		99	CM	Bulk
35-17-0	33560	35.47	18.87	0.00		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.63	102.41	93.64				
ALL SAMPLES,CV %		7.39	9.33	23.63				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 15.38 %								
SS (HARR) CNTRL KY SVC HARRODSBURG KY 40330								
0-0-59	33702+	0.00	0.00	60.12		101	CM	Bulk
16-11-30	33701	15.38	11.62	29.11		98	CM	Bulk
30-0-20	34255	30.18	0.00	20.85		100	CM	Bulk
34-0-15	33703	34.22	0.00	15.01		99	CM	Bulk
9-0-29	34254	7.10 *	0.00	33.83		103	CM	Bulk
SS (HEND) HENDERSON COOP HENDERSON KY 42420								
18-17-20	34734	18.88	17.71	19.06		99	CM	Bulk
24-17-15	34731	23.85	16.80	15.65		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (HEND) HENDERSON COOP HENDERSON KY 42420								
27-11-15	34728	27.17	11.16	15.35		99	CM	Bulk
29-11-12	34732	29.08	12.05	13.01		101	CM	Bulk
29-11-12	34733	29.22	11.58	12.95		101	CM	Bulk
30-0-20	34730	30.54	0.00	19.99		100	CM	Bulk
8-22-30	34180	8.74	22.79	30.03		99	CM	Bulk
SS (HODG) HARDIN COOP HODG BR SVC HODGENVILLE KY 42748								
0-17-35	33640+	0.00	18.82	35.14		103	CM	Bulk
12-12-18	35190	12.38	12.76	18.87		103	CM	Bulk
17-17-17	33650	17.25	17.28	17.52		100	CM	Bulk
17-27-15	33324	17.56	27.90	14.47		100	CM	Bulk
18-18-18	33738	17.23	18.01	19.85		98	CM	Bulk
18-18-18	35192	18.42	17.33	19.62		102	CM	Bulk
19-19-19	33637	19.10	19.11	19.50		99	CM	Bulk
19-19-19	33639	19.13	19.36	19.30		99	CM	Bulk
19-19-19	33649	18.53	18.33	21.11		98	CM	Bulk
19-19-19	33739	18.21	19.88	18.95		98	CM	Bulk
19-20-18	33638	19.02	21.34	18.13		101	CM	Bulk
25-33-0	33651	24.47	34.00	0.00		99	CM	Bulk
8-16-29	34949	10.43	19.41	26.36 *		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.36	101.73	101.19				
ALL SAMPLES,CV %		6.13	5.76	5.41				
NUMBER OF ANALYSIS		12	13	12				
Deficiency Rate = 7.69 %								
SS (HOPK) HOPKINSVILLE COOP HOPKINSVILLE KY 42240								
0-30-20	32681	0.00	31.42	19.43		101	CM	Bulk
0-30-20	32682	0.00	31.50	19.80		102	CM	Bulk
06-28-28	32670	5.55	27.67	28.05		99	CM	Bulk
11-30-20	33414	11.59	31.01	19.30		99	CM	Bulk
19-19-19	33412	18.94	19.32	19.59		99	CM	Bulk
24-10-20	33345	24.62	10.81	19.25		101	CM	Bulk
5-24-31	32597	5.38	24.84	31.11		100	CM	Bulk
5-24-31	32598	5.31	24.98	31.30		100	CM	Bulk
5-27-27	32671	5.53	26.56	28.94		98	CM	Bulk
5-27-27	32672	5.51	27.48	28.57		99	CM	Bulk
5-28-23	32680	4.76 *	28.64	23.21		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.11	100.81	99.37				
ALL SAMPLES,CV %		5.28	2.71	2.63				
NUMBER OF ANALYSIS		9	11	11				
Deficiency Rate = 9.09 %								
SS (HORS) HORSE CAVE COOP HORSE CAVE KY 42749								
10-0-25	34887	10.34	0.00	27.48		106	CM	Bulk
15-11-13	34886	14.42 *	11.90	14.09		99	CM	Bulk
15-16-21	33087	14.99	17.47	23.55		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								
17-17-17	33217	18.26	17.08	16.62		100	CM	Bulk
18-18-18	33220	17.19	18.97	19.39		99	CM	Bulk
19-19-19	33092	18.87	22.13	18.80		104	CM	Bulk
19-19-19	33093	20.71	19.37	17.72 *		101	CM	Bulk
19-19-19	33215+	18.93	18.68	19.47		99	CM	Bulk
19-19-19	33218	18.71	19.15	20.39		100	CM	Bulk
20-12-18	34888	18.19 *	11.88	22.54		102	CM	Bulk
21-33-0	33221	21.45	33.20	0.00		100	CM	Bulk
24-13-17	33219	22.60	15.36	18.47		102	CM	Bulk
8-21-27	33094	8.35	21.02	27.69		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.36	102.28	102.84				
ALL SAMPLES,CV %		5.84	6.24	6.95				
NUMBER OF ANALYSIS		13	12	12				
Deficiency Rate = 23.08 %								
SS (LAWR) ANDERSON FRANKLIN SVC BR LAWRENCEBURG KY 40342								
09-09-13	35440	11.07	9.84	17.29		118	CM	Bulk
09-09-13	35441	10.84	10.15	14.89		110	CM	Bulk
11-14-25	35439	11.24	15.25	27.37		104	CM	Bulk
14-00-06	35436	17.86	0.00	7.29		118	CM	Bulk
14-00-06	35437	16.59	0.00	7.75		115	CM	Bulk
16-8-13	35438	17.98	9.33	12.30 *		104	CM	Bulk
19-03-19	35442	20.31	3.50	20.07		104	CM	Bulk
21-11-15	34519	20.62	11.87	16.25		101	CM	Bulk
5-15-40	34520	5.62	16.03	39.72		101	CM	Bulk
SS (LEBA) LEBANON SVC LEBANON KY 40033								
18-19-20	34619	18.05	19.60	21.28		100	CM	Bulk
18-19-20	34620	17.10 *	21.01	21.42		102	CM	Bulk
19-19-19	33967	17.77 *	20.09	20.61		100	CM	Bulk
21-11-15	33968	21.76	11.81	14.76		101	CM	Bulk
22-6-25	33941	22.17	6.15	25.40		98	CM	Bulk
26-11-15	34617	26.35	11.58	16.89		100	CM	Bulk
32-23-0	34618	30.84	23.33	0.00		99	CM	Bulk
5-14-37	33942+	17.21	10.33 *	27.69 *		101	CM	Bulk
5-14-38	33943+	5.85	15.17	38.12		102	CM	Bulk
SS (LEIT) LEITCHFIELD COOP LEITCHFIELD KY 42754								
10-25-26	32512	9.52	25.38	26.93		99	CM	Bulk
10-26-26	33891	10.30	25.99	25.93		100	CM	Bulk
10-26-26	33897	9.60	24.77	27.66		98	CM	Bulk
15-15-15	33889	15.00	15.83	15.38		100	CM	Bulk
17-17-17	33892	17.72	17.84	17.90		99	CM	Bulk
18-18-18	33890	19.11	17.69	18.56		101	CM	Bulk
19-19-19	33894	18.82	19.26	20.21		100	CM	Bulk
19-19-19	33895	18.59	19.07	20.42		99	CM	Bulk
19-19-19	33896	18.81	19.37	19.40		99	CM	Bulk
22-16-16	35215	23.03	17.35	16.13		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (LEIT) LEITCHFIELD COOP LEITCHFIELD KY 42754								
5-10-15	35214	5.78	11.19	15.54		101	CM	Bulk
9-23-23	32513	8.83	23.14	24.50		99	CM	Bulk
9-24-28	33893	9.17	23.47	29.47		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.62	99.41	101.54				
ALL SAMPLES,CV %		4.14	2.63	3.13				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								

SS (LEXI) LEXINGTON COOP LEXINGTON KY 40508								
11-0-33	35357	11.65	0.00	33.22		100	CM	Bulk
18-0-22	35360	19.21	0.00	20.33 *		94 *	CM	Bulk
18-0-22	35361	19.35	0.00	20.49 *		94 *	CM	Bulk
19-05-19	35354	19.59	5.43	19.47		103	CM	Bulk
19-11-15	35362	19.65	11.55	16.45		103	CM	Bulk
20-0-0	35359	18.97	0.00	0.00		93 *	CM	Bulk
20-0-19	35356	21.50	0.00	19.85		101	CM	Bulk
21-10-13	35355	21.61	10.92	13.31		101	CM	Bulk
23-0-13	35358+	24.09	0.00	13.32		102	CM	Bulk
26-0-11	35363	27.77	0.00	11.21		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.87	103.91	97.84				
ALL SAMPLES,CV %		3.29	8.49	5.92				
NUMBER OF ANALYSIS		10	3	9				
Deficiency Rate = 30.00 %								

SS (LIBE) LIBERTY SVC LIBERTY KY 42539								
19-19-19	34393	18.76	19.76	19.98		100	CM	Bulk
19-19-19	34394	19.02	19.91	18.99		100	CM	Bulk
19-19-19	34395	18.54	18.05 *	21.06		98	CM	Bulk
19-19-19	34396	19.04	20.13	19.06		101	CM	Bulk
19-19-19	34397	19.37	20.03	18.53		100	CM	Bulk
19-19-19	34398	18.61	19.64	20.19		100	CM	Bulk
19-19-19	34399	18.77	19.68	19.87		100	CM	Bulk
19-19-19	34400	18.60	20.16	19.64		101	CM	Bulk
19-19-19	34402	18.91	18.37	20.59		99	CM	Bulk
19-19-19	34403	18.62	19.54	19.28		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 10								
Average Analysis :		18.82	19.53	19.72	99.7			
CV, %		1.39	3.73	3.95				
29-8-14	34401	28.59	8.90	15.16		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (LIBE) LIBERTY SVC LIBERTY KY 42539								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.19	100.81	101.99				
ALL SAMPLES,CV %		1.32	3.55	3.76				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
SS (LOND) LONDON COOP LONDON KY 40741								
05-10-15	34307	4.56 *	9.60	15.92		101	Blend	Bag
05-10-15	35052	4.95	9.29	15.67		100	Blend	Bag
05-20-20	33709	9.59	25.24	21.32		128	Blend	Bag
05-20-20	34308	6.44	16.05 *	20.90		94 *	Blend	Bag
05-20-20	35054	7.92	18.74	20.14		103	Blend	Bag
06-12-12	33670	6.25	13.44	12.01		107	Blend	Bag
09-18-27	35053	9.44	18.57	27.35		102	Blend	Bag
10-10-10	33669	10.75	11.43	10.61		110	Blend	Bag
10-10-10	33710	8.65 *	9.02 *	9.82		91 *	Blend	Bag
10-10-10	34309	9.24	9.62	10.03		96 *	Blend	Bag
10-25-26	34227	10.38	26.83	24.79 *		101	CM	Bulk
15-15-15	33676	14.18	14.11	16.84		99	Blend	Bag
15-15-15	34232	15.86	15.45	16.07		103	CM	Bulk
19-19-19	33677	21.15	17.79	17.89		100	Blend	Bag
19-19-19	34224	19.58	19.44	18.47		100	CM	Bulk
19-19-19	34225	19.67	19.43	19.27		101	CM	Bulk
19-19-19	34229	18.80	19.40	19.96		99	CM	Bulk
19-19-19	34231	19.27	18.88	19.42		100	CM	Bulk
19-19-19	34310	18.75	18.58	18.63		98	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		19.54	18.92	18.94		99.6		
CV, %		4.5	3.47	3.95				
20-18-18	34228	19.67	18.33	19.40		99	CM	Bulk
21-15-20	34223	20.87	15.45	20.65		100	CM	Bulk
6-26-25	34230	6.16	23.28 *	27.95		96 *	CM	Bulk
6-26-26	34226	6.27	25.20	26.75		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		107.00	99.07	102.00				
ALL SAMPLES,CV %		22.01	9.3	4.27				
NUMBER OF ANALYSIS		23	23	23				
Deficiency Rate = 26.09 %								
SS (MADI) MADISONVILLE COOP MADISONVILLE KY 42431								
0-23-30	32661	0.00	23.65	29.57		101	CM	Bulk
0-23-30	32662	0.00	24.37	30.41		104	CM	Bulk
0-23-30	32663	0.00	23.40	30.27		101	CM	Bulk
0-23-30	32664	0.00	23.91	31.09		104	CM	Bulk
10-26-26	35271	9.84	25.85	25.37		98	CM	Bulk
10-26-26	35272	9.65	24.83	29.20		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (MADI) MADISONVILLE COOP		MADISONVILLE KY	42431					
10-26-26	35273	10.15	26.25	25.41		100	CM	Bulk
9-23-30	35247	9.00	23.25	29.04		99	CM	Bulk
9-23-30	35248	8.83	23.60	30.24		101	CM	Bulk
9-23-30	35274	8.86	23.29	29.81		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.94	101.51	100.83				
ALL SAMPLES,CV %		2.01	2.77	4.44				
NUMBER OF ANALYSIS		6	10	10				
Deficiency Rate = 0.00 %								

SS (MADIS) SEBRE BR		MADISONVILLE KY	42431-1298					
9-23-30	35240	8.60	21.73	31.27		98	CM	Bulk
9-23-30	35241	9.01	23.65	31.36		103	CM	Bulk
9-23-30	35242	8.70	22.74	29.75		99	CM	Bulk
9-23-30	35243	8.43	22.32	29.70		97	CM	Bulk

SS (MAYS) MAYSVILLE COOP		MAYSVILLE KY	41056-0668					
0-0-52	33850+	0.00	0.00	52.38		100	CM	Bulk
0-27-19	33849	0.00	28.17	20.88		103	CM	Bulk
18-0-22	35085	17.93	0.00	23.39		100	CM	Bulk
18-18-18	33847	17.33	16.84 *	20.77		97	CM	Bulk
19-19-19	33846	19.05	18.05	21.31		99	CM	Bulk
19-6-25	35084	19.38	6.02	27.34		103	CM	Bulk
20-10-20	35082	20.79	10.45	21.72		101	CM	Bulk
26-10-16	35083	26.82	10.78	16.99		101	CM	Bulk
28-6-17	33848	29.12	6.15	17.55		100	CM	Bulk
29-10-13	33851	29.26	9.44	13.57		98	CM	Bulk
38-12-0	33844	37.60	11.53 *	0.00		96 *	CM	Bulk
38-12-0	33845	37.41	12.13	0.00		97 *	CM	Bulk
9-13-21	35086	9.65	13.74	22.19		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.27	96.26	104.72				
ALL SAMPLES,CV %		1.81	4.97	3.46				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 23.08 %								

SS (MURR) CALLOWAY SVC		MURRAY KY	42071					
14-12-25	33517	15.21	12.28	26.83		102	CM	Bulk
14-8-28	33516	14.45	8.96	29.81		101	CM	Bulk
15-17-22	33518	15.40	18.93	23.77		106	CM	Bulk
15-17-22	33519	14.48	18.83	22.98		103	CM	Bulk
15-17-22	33520	14.72	18.24	22.80		101	CM	Bulk
15-17-22	33521	15.52	18.86	23.80		106	CM	Bulk
5-13-17	32508	5.86	13.67	18.68		108	CM	Bulk
5-13-17	32509	6.08	14.42	16.97		107	CM	Bulk
5-13-17	32617	6.05	14.75	17.33		107	CM	Bulk
5-13-17	32618	5.81	13.76	16.52		103	CM	Bulk
5-13-17	32619	6.06	13.73	18.41		106	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (MURR) CALLOWAY SVC MURRAY KY 42071								
Statistical Analysis for Grade : 5-13-17								
Number of Samples This Grade : 5								
Average Analysis :		5.97	14.07	17.58		106.2		
CV, %		2.12	3.48	5.29				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		106.53	105.92	102.72				
ALL SAMPLES,CV %		8.15	3.66	3.56				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								
SS (NICH) NICHOLASVILLE SVC NICHOLASVILLE KY 40356								
13-0-14	35138	12.72	0.00	15.61		100	CM	Bulk
13-15-23	35137	12.84	15.23	24.03		100	CM	Bulk
15-8-12	35136	15.17	8.33	13.04		100	CM	Bulk
23-0-15	35142	23.20	0.00	15.23		99	CM	Bulk
6-0-5	35141	6.10	0.00	5.42		102	CM	Bulk
9-0-6	35139	8.39	0.00	7.12		99	CM	Bulk
9-0-6	35140	8.91	0.00	6.57		98	CM	Bulk
SS (OWEN) COOP OWENSBORO OWENSBORO KY 42301								
0-15-39	35386	0.00	15.45	40.06		100	CM	Bulk
0-23-30	35385	0.00	19.73 *	34.68		99	CM	Bulk
07-17-38	35381	6.28	15.25 *	38.25		96 *	CM	Bulk
11-28-18	32562	9.54 *	25.77 *	22.67		96 *	CM	Bulk
19-19-19	33621	18.27	20.17	20.50		101	CM	Bulk
19-19-19	33624	20.04	18.90	18.90		100	CM	Bulk
6-15-32	32561+	5.56 *	14.49	33.64		97	CM	Bulk
6-15-40	33617	6.53	16.80	38.48 *		102	CM	Bulk
6-15-40	33618	6.12	16.53	39.07		102	CM	Bulk
9-23-30	33619	8.58	22.48	31.71		100	CM	Bulk
9-23-30	33620	8.50	22.73	30.91		100	CM	Bulk
9-23-30	33622	8.28	21.68	32.02		98	CM	Bulk
9-23-30	33623	9.49	25.78	27.51 *		104	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.76	98.21	103.72				
ALL SAMPLES,CV %		7.45	8.29	7.71				
NUMBER OF ANALYSIS		11	13	13				
Deficiency Rate = 46.15 %								
SS (OWEN) OWENTON COOP, INC OWENTON KY 40359								
11-8-13	35163	10.87	8.91	13.77		101	CM	Bulk
14-16-26	35160+	13.80	15.60	28.08		99	CM	Bulk
17-12-18	35391	17.51	11.64	19.40		100	CM	Bulk
19-19-19	34747	18.69	18.86	20.60		99	CM	Bulk
19-19-19	34749	18.89	19.67	20.04		101	CM	Bulk
4-12-31	34748+	6.27	12.69	32.87		107	CM	Bulk
9-18-27	35392	10.26	19.21	26.90		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (OWEN) OWENTON COOP, INC OWENTON KY 40359								
9-18-28	35159	9.68	18.94	27.30		99	CM	Bulk
9-23-30	34750	8.88	22.64	30.19		100	CM	Bulk
SS (OWIN) OWINGSVILLE SVC OWINGSVILLE KY 40360								
11-8-12	35091	10.36	8.16	12.16		97	CM	Bulk
12-9-14	35087+	12.36	9.37	15.67		103	CM	Bulk
17-9-9	34686	17.81	8.36 *	9.24		98	CM	Bulk
18-13-20	35088	18.14	13.12	22.41		101	CM	Bulk
19-19-19	34681	18.66	18.56	20.50		98	CM	Bulk
19-19-19	34682	18.77	18.86	19.26		98	CM	Bulk
22-16-14	35089	22.63	15.80	14.82		99	CM	Bulk
23-0-0	34679	22.89	0.00	0.00		100	CM	Bulk
26-17-8	35090	26.66	17.52	9.70		101	CM	Bulk
4-4-4	34685	4.42	4.23	4.71		98	CM	Bulk
6-13-20	35094	6.67	13.27	22.04		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.57	95.67	104.48				
ALL SAMPLES,CV %		2.42	3.34	4.15				
NUMBER OF ANALYSIS		11	10	10				
Deficiency Rate = 9.09 %								
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
00-00-22	32823+	0.00	0.00	21.62		98	Mat	Bulk
00-00-22	34108+	0.00	0.00	21.90		99	Mat	Bulk
00-00-50	32822	0.00	0.00	49.76		104	Mat	Bulk
00-00-50	33034	0.00	0.00	50.43		101	Mat	Bulk
00-00-50	33114	0.00	0.00	50.24		100	Mat	Bulk
00-00-50	33784	0.00	0.00	50.31		101	Mat	Bulk
00-00-50	33856	0.00	0.00	51.21		102	Mat	Bulk
00-00-50	34138	0.00	0.00	50.96		102	Mat	Bulk
00-00-50	34158	0.00	0.00	50.63		101	Mat	Bulk
00-00-50	34443	0.00	0.00	51.69		103	Mat	Bulk
00-00-50	34510	0.00	0.00	50.75		102	Mat	Bulk
00-00-50	34538	0.00	0.00	50.80		102	Mat	Bulk
00-00-50	34678	0.00	0.00	50.15		100	Mat	Bulk
00-00-50	34742	0.00	0.00	51.50		103	Mat	Bulk
00-00-50	34849	0.00	0.00	50.64		101	Mat	Bulk
00-00-50	34889	0.00	0.00	51.27		103	Mat	Bulk
00-00-50	35384	0.00	0.00	50.51		101	Mat	Bulk
Statistical Analysis for Grade : 00-00-50								
Number of Samples This Grade : 15								
Average Analysis :		0.00	0.00	50.72	101.7			
CV, %		0	0	1.05				
00-00-60	32552	0.00	0.00	60.46		101	Mat	Bulk
00-00-60	32697	0.00	0.00	60.91		102	Mat	Bulk
00-00-60	32703	0.00	0.00	61.16		102	Mat	Bulk
00-00-60	32711	0.00	0.00	60.08		99	Mat	Bulk
00-00-60	32713	0.00	0.00	59.70		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								
00-00-60	32752	0.00	0.00	60.51		101	Mat	Bulk
00-00-60	32771	0.00	0.00	61.39		102	Mat	Bulk
00-00-60	32779	0.00	0.00	60.43		101	Mat	Bulk
00-00-60	32787	0.00	0.00	59.90		99	Mat	Bulk
00-00-60	32803	0.00	0.00	59.29		99	Mat	Bulk
00-00-60	32814	0.00	0.00	60.45		101	Mat	Bulk
00-00-60	32818	0.00	0.00	59.28		99	Mat	Bulk
00-00-60	32826	0.00	0.00	59.11		99	Mat	Bulk
00-00-60	32840	0.00	0.00	59.69		99	Mat	Bulk
00-00-60	32851	0.00	0.00	59.79		100	Mat	Bulk
00-00-60	32861	0.00	0.00	59.61		99	Mat	Bulk
00-00-60	32865	0.00	0.00	60.97		102	Mat	Bulk
00-00-60	32879	0.00	0.00	60.40		101	Mat	Bulk
00-00-60	32903	0.00	0.00	60.40		101	Mat	Bulk
00-00-60	32913	0.00	0.00	60.17		100	Mat	Bulk
00-00-60	32920	0.00	0.00	59.91		100	Mat	Bulk
00-00-60	32931	0.00	0.00	59.30		99	Mat	Bulk
00-00-60	32972	0.00	0.00	60.20		100	Mat	Bulk
00-00-60	32973	0.00	0.00	59.81		100	Mat	Bulk
00-00-60	32982	0.00	0.00	59.87		100	Mat	Bulk
00-00-60	32990	0.00	0.00	59.70		100	Mat	Bulk
00-00-60	33013	0.00	0.00	59.58		99	Mat	Bulk
00-00-60	33025	0.00	0.00	60.83		101	Mat	Bulk
00-00-60	33029	0.00	0.00	58.83		98	Mat	Bulk
00-00-60	33032	0.00	0.00	59.33		99	Mat	Bulk
00-00-60	33045	0.00	0.00	61.50		102	Mat	Bulk
00-00-60	33053	0.00	0.00	60.98		102	Mat	Bulk
00-00-60	33113	0.00	0.00	60.06		100	Mat	Bulk
00-00-60	33119	0.00	0.00	60.52		101	Mat	Bulk
00-00-60	33375	0.00	0.00	59.06		98	Mat	Bulk
00-00-60	33506	0.00	0.00	59.13		99	Mat	Bulk
00-00-60	33699	0.00	0.00	60.24		100	Mat	Bulk
00-00-60	33775	0.00	0.00	61.00		102	Mat	Bulk
00-00-60	33785	0.00	0.00	60.78		101	Mat	Bulk
00-00-60	33852	0.00	0.00	59.48		99	Mat	Bulk
00-00-60	34021	0.00	0.00	59.23		99	Mat	Bulk
00-00-60	34112	0.00	0.00	59.79		100	Mat	Bulk
00-00-60	34134	0.00	0.00	61.35		102	Mat	Bulk
00-00-60	34137	0.00	0.00	59.25		98	Mat	Bulk
00-00-60	34156	0.00	0.00	60.49		101	Mat	Bulk
00-00-60	34442	0.00	0.00	60.27		100	Mat	Bulk
00-00-60	34514	0.00	0.00	61.19		102	Mat	Bulk
00-00-60	34540	0.00	0.00	60.27		100	Mat	Bulk
00-00-60	34557	0.00	0.00	59.95		100	Mat	Bulk
00-00-60	34676	0.00	0.00	60.74		101	Mat	Bulk
00-00-60	34746	0.00	0.00	60.01		100	Mat	Bulk
00-00-60	35246	0.00	0.00	59.12		99	Mat	Bulk
00-00-60	35335	0.00	0.00	58.96		98	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 : 00-00-60								
Number of Samples This Grade : 53								
Average Analysis :		0.00	0.00	60.08		100.1		
CV, %		0	0	1.17				
00-45-00	34111	0.00	45.65	0.00		101	Mat	Bulk
00-46-00	32548	0.00	45.47	0.00		99	Mat	Bulk
00-46-00	32698	0.00	45.19	0.00		98	Mat	Bulk
00-46-00	32715	0.00	46.10	0.00		100	Mat	Bulk
00-46-00	32849	0.00	45.89	0.00		100	Mat	Bulk
00-46-00	32902	0.00	45.32	0.00		99	Mat	Bulk
00-46-00	32912	0.00	44.40	0.00		97 *	Mat	Bulk
00-46-00	32930	0.00	45.76	0.00		99	Mat	Bulk
00-46-00	32989	0.00	44.77	0.00		97	Mat	Bulk
00-46-00	33118	0.00	46.14	0.00		100	Mat	Bulk
00-46-00	33378	0.00	45.03	0.00		98	Mat	Bulk
00-46-00	33502	0.00	45.41	0.00		99	Mat	Bulk
00-46-00	33857	0.00	45.34	0.00		99	Mat	Bulk
00-46-00	34445	0.00	44.98	0.00		98	Mat	Bulk
00-46-00	34537	0.00	46.44	0.00		101	Mat	Bulk
00-46-00	34555	0.00	45.52	0.00		99	Mat	Bulk
Statistical Analysis for Grade : 00-46-00								
Number of Samples This Grade : 15								
Average Analysis :		0.00	45.45	0.00		98.8		
CV, %		0	1.21	0				
05-10-15	34667+	6.21	9.68	14.64		102	Blend	Bag
05-10-15	35370+	5.69	9.42	16.14		104	Blend	Bag
05-10-15	35371+	4.80	9.09 *	16.81		100	Blend	Bag
10-10-10	32883	10.03	9.23	10.14		98	Blend	Bag
10-10-10	32993	9.11	9.38	11.33		97	Blend	Bag
10-10-10	35331	9.20	9.20	11.70		98	Blend	Bag
10-10-10	35422	8.51 *	8.68 *	9.84		89 *	Blend	Bag
11-52-00	33044	10.68	51.93	0.00		99	Mat	Bulk
11-52-00	33052	10.91	51.03	0.00		98	Mat	Bulk
11-52-00	33376	10.85	51.73	0.00		99	Mat	Bulk
18-46-00	32551	17.84	46.07	0.00		100	Mat	Bulk
18-46-00	32704	17.54	46.08	0.00		99	Mat	Bulk
18-46-00	32714	17.50	45.94	0.00		99	Mat	Bulk
18-46-00	32740	17.45	46.04	0.00		99	Mat	Bulk
18-46-00	32751	17.72	45.97	0.00		100	Mat	Bulk
18-46-00	32770	17.80	45.75	0.00		99	Mat	Bulk
18-46-00	32778	17.70	45.65	0.00		99	Mat	Bulk
18-46-00	32784	17.64	46.08	0.00		100	Mat	Bulk
18-46-00	32789	17.84	46.29	0.00		100	Mat	Bulk
18-46-00	32804	17.44	45.99	0.00		99	Mat	Bulk
18-46-00	32813	17.52	45.94	0.00		99	Mat	Bulk
18-46-00	32819	17.73	46.42	0.00		100	Mat	Bulk
18-46-00	32825	17.71	46.05	0.00		100	Mat	Bulk
18-46-00	32838	17.77	46.04	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	32839	17.41	46.21	0.00		99	Mat	Bulk
18-46-00	32853	17.32	46.27	0.00		99	Mat	Bulk
18-46-00	32860	17.61	46.34	0.00		100	Mat	Bulk
18-46-00	32866	17.49	46.01	0.00		99	Mat	Bulk
18-46-00	32878	17.56	46.21	0.00		100	Mat	Bulk
18-46-00	32900	17.64	45.51	0.00		99	Mat	Bulk
18-46-00	32911	17.50	46.36	0.00		100	Mat	Bulk
18-46-00	32919	17.55	45.77	0.00		99	Mat	Bulk
18-46-00	32929	17.94	46.32	0.00		100	Mat	Bulk
18-46-00	32971	17.52	46.12	0.00		99	Mat	Bulk
18-46-00	32980	17.54	46.01	0.00		99	Mat	Bulk
18-46-00	32988	17.67	46.14	0.00		100	Mat	Bulk
18-46-00	33012	17.84	44.79	0.00		98	Mat	Bulk
18-46-00	33026	17.69	45.91	0.00		99	Mat	Bulk
18-46-00	33030	17.83	45.42	0.00		99	Mat	Bulk
18-46-00	33033	17.44	45.61	0.00		99	Mat	Bulk
18-46-00	33043	17.67	45.77	0.00		99	Mat	Bulk
18-46-00	33051	17.71	45.75	0.00		99	Mat	Bulk
18-46-00	33115	17.78	45.86	0.00		99	Mat	Bulk
18-46-00	33117	17.52	45.88	0.00		99	Mat	Bulk
18-46-00	33379	17.28	45.98	0.00		99	Mat	Bulk
18-46-00	33505	17.69	46.14	0.00		100	Mat	Bulk
18-46-00	33561	17.87	46.17	0.00		100	Mat	Bulk
18-46-00	33700	17.41	45.53	0.00		98	Mat	Bulk
18-46-00	33776	17.53	45.96	0.00		99	Mat	Bulk
18-46-00	33783	17.53	45.44	0.00		98	Mat	Bulk
18-46-00	33853	14.82 *	38.39 *	0.00		83 *	Mat	Bulk
18-46-00	33855	17.16	45.65	0.00		98	Mat	Bulk
18-46-00	34020	17.62	45.50	0.00		99	Mat	Bulk
18-46-00	34107	17.70	46.18	0.00		100	Mat	Bulk
18-46-00	34139	17.81	45.79	0.00		99	Mat	Bulk
18-46-00	34159	17.87	46.01	0.00		100	Mat	Bulk
18-46-00	34446	17.57	45.80	0.00		99	Mat	Bulk
18-46-00	34512	17.68	45.78	0.00		99	Mat	Bulk
18-46-00	34539	17.72	46.00	0.00		100	Mat	Bulk
18-46-00	34556	17.39	45.84	0.00		99	Mat	Bulk
18-46-00	34683	17.62	45.09	0.00		98	Mat	Bulk
18-46-00	34744	17.64	45.10	0.00		98	Mat	Bulk
18-46-00	35092	17.70	45.28	0.00		98	Mat	Bulk
18-46-00	35093	17.57	45.18	0.00		98	Mat	Bulk
18-46-00	35245	17.60	46.24	0.00		100	Mat	Bulk
18-46-00	35333	17.62	45.83	0.00		99	Mat	Bulk
18-46-00	35383	17.99	46.09	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 57								
Average Analysis :		17.58	45.75	0.00		99.0		
CV, %		2.31	2.3	0				
28-00-00	34415	27.63	0.00	0.00		99	Mat	Liq
30-00-00	35413	30.00	0.00	0.00		100	Mat	Liq

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
32-00-00	33413	32.00	0.00	0.00		100	Mat	Liq
32-00-00	35387	32.00	0.00	0.00		100	Mat	Liq
34-00-00	32753	33.75	0.00	0.00		101	Mat	Bulk
34-00-00	32788	34.15	0.00	0.00		100	Mat	Bulk
34-00-00	32806	34.44	0.00	0.00		101	Mat	Bulk
34-00-00	32812	34.13	0.00	0.00		100	Mat	Bulk
34-00-00	32820	33.94	0.00	0.00		100	Mat	Bulk
34-00-00	32852	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	32863	34.20	0.00	0.00		101	Mat	Bulk
34-00-00	32880	34.40	0.00	0.00		101	Mat	Bulk
34-00-00	32899	34.27	0.00	0.00		101	Mat	Bulk
34-00-00	32981	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	32986	34.39	0.00	0.00		101	Mat	Bulk
34-00-00	32991	33.81	0.00	0.00		99	Mat	Bag
34-00-00	33011	33.88	0.00	0.00		100	Mat	Bulk
34-00-00	33027	34.31	0.00	0.00		101	Mat	Bulk
34-00-00	33028	34.16	0.00	0.00		100	Mat	Bulk
34-00-00	33031	33.54	0.00	0.00		99	Mat	Bulk
34-00-00	33112	33.78	0.00	0.00		99	Mat	Bulk
34-00-00	33116	34.29	0.00	0.00		101	Mat	Bulk
34-00-00	33380	34.10	0.00	0.00		100	Mat	Bulk
34-00-00	33782	34.17	0.00	0.00		100	Mat	Bulk
34-00-00	34019	33.37	0.00	0.00		98	Mat	Bulk
34-00-00	34110	34.12	0.00	0.00		100	Mat	Bulk
34-00-00	34135	34.01	0.00	0.00		100	Mat	Bulk
34-00-00	34136	34.13	0.00	0.00		100	Mat	Bulk
34-00-00	34155	33.62	0.00	0.00		99	Mat	Bulk
34-00-00	34444	34.34	0.00	0.00		101	Mat	Bulk
34-00-00	34503	33.98	0.00	0.00		100	Mat	Bulk
34-00-00	34515	34.12	0.00	0.00		100	Mat	Bulk
34-00-00	34558	33.72	0.00	0.00		99	Mat	Bulk
34-00-00	34677	33.88	0.00	0.00		100	Mat	Bulk
34-00-00	34743	33.81	0.00	0.00		99	Mat	Bulk
34-00-00	35058	33.46	0.00	0.00		98	Mnfr	Bag
34-00-00	35334	34.04	0.00	0.00		100	Mat	Bulk
34-00-00	35414	33.72	0.00	0.00		99	Mat	Bag
Statistical Analysis for Grade : 34-00-00								
Number of Samples This Grade : 34								
Average Analysis :		34.03	0.00	0.00		100.2		
CV, %		0.88	0	0				
46-00-00	32699	46.06	0.00	0.00		100	Mat	Bulk
46-00-00	32705	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32712	46.19	0.00	0.00		100	Mat	Bulk
46-00-00	32716	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32750	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	32769	45.91	0.00	0.00		100	Mat	Bulk
46-00-00	32777	46.00	0.00	0.00		100	Mat	Bulk
46-00-00	32785	45.95	0.00	0.00		100	Mat	Bulk
46-00-00	32786	46.07	0.00	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								
46-00-00	32805	45.69	0.00	0.00		99	Mat	Bulk
46-00-00	32815	45.99	0.00	0.00		100	Mat	Bulk
46-00-00	32821	46.00	0.00	0.00		100	Mat	Bulk
46-00-00	32824	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	32841	46.14	0.00	0.00		100	Mat	Bulk
46-00-00	32850	46.12	0.00	0.00		100	Mat	Bulk
46-00-00	32862	46.00	0.00	0.00		100	Mat	Bulk
46-00-00	32867	45.85	0.00	0.00		100	Mat	Bulk
46-00-00	32877	46.14	0.00	0.00		100	Mat	Bulk
46-00-00	32901	45.98	0.00	0.00		100	Mat	Bulk
46-00-00	32910	46.15	0.00	0.00		100	Mat	Bulk
46-00-00	32918	45.87	0.00	0.00		100	Mat	Bulk
46-00-00	32928	46.02	0.00	0.00		100	Mat	Bulk
46-00-00	32968	45.40	0.00	0.00		99	Mat	Bulk
46-00-00	32969	45.45	0.00	0.00		99	Mat	Bulk
46-00-00	32970	45.70	0.00	0.00		99	Mat	Bulk
46-00-00	32983	45.87	0.00	0.00		100	Mat	Bulk
46-00-00	32987	45.81	0.00	0.00		100	Mat	Bulk
46-00-00	32995	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	33024	45.82	0.00	0.00		100	Mat	Bulk
46-00-00	33042	45.68	0.00	0.00		99	Mat	Bulk
46-00-00	33050	45.51	0.00	0.00		99	Mat	Bulk
46-00-00	33377	45.99	0.00	0.00		100	Mat	Bulk
46-00-00	33503	46.14	0.00	0.00		100	Mat	Bulk
46-00-00	33698	45.89	0.00	0.00		100	Mat	Bulk
46-00-00	33777	45.90	0.00	0.00		100	Mat	Bulk
46-00-00	33854	45.95	0.00	0.00		100	Mat	Bulk
46-00-00	34018	46.06	0.00	0.00		100	Mat	Bulk
46-00-00	34109	46.13	0.00	0.00		100	Mat	Bulk
46-00-00	34140	46.07	0.00	0.00		100	Mat	Bulk
46-00-00	34157	46.10	0.00	0.00		100	Mat	Bulk
46-00-00	34447	45.97	0.00	0.00		100	Mat	Bulk
46-00-00	34511	45.83	0.00	0.00		100	Mat	Bulk
46-00-00	34536	45.74	0.00	0.00		99	Mat	Bulk
46-00-00	34553	46.02	0.00	0.00		100	Mat	Bulk
46-00-00	34554	45.84	0.00	0.00		100	Mat	Bulk
46-00-00	34680	46.05	0.00	0.00		100	Mat	Bulk
46-00-00	34684	45.96	0.00	0.00		100	Mat	Bulk
46-00-00	34745	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	35244	46.11	0.00	0.00		100	Mat	Bulk
46-00-00	35382	46.12	0.00	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number of Samples This Grade : 50								
Average Analysis :		45.95	0.00	0.00		99.9		
CV, %		0.41	0	0				

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.10	98.75	100.96				
ALL SAMPLES,CV %		3.34	2.94	3.07				
NUMBER OF ANALYSIS		155	83	77				
Deficiency Rate = 1.66 %								

SS (RICH) RICHMOND SVC RICHMOND KY 40475								
0-27-23	32473	0.00	26.21	25.85		99	CM	Bulk
10-10-9	33697	10.03	10.86	10.45		105	CM	Bulk
19-19-19	33693	18.79	20.44	18.53		100	CM	Bulk
19-19-19	33694	18.86	17.19 *	20.90		96 *	CM	Bulk
19-19-19	33696	18.71	20.03	18.57		99	CM	Bulk
30-26-0	34829	29.80	26.32	0.00		100	CM	Bulk
6-17-34	33695+	7.10	18.75	35.56		104	CM	Bulk

SS (RUSS) COOP, INC. RUSSELLVILLE KY 42276								
05-10-15	32884	5.34	9.97	17.00		108	Blend	Bag
05-10-15	33883	4.85	9.74	15.78		102	Blend	Bag
05-10-15	34501	4.86	9.35	16.24		102	Blend	Bag
06-24-24	32994	5.95	22.81	25.93		100	Blend	Bag
06-24-24	33607	5.61	23.20	25.92		100	Blend	Bag
06-24-24	33882	7.28	26.55	22.12 *		106	Blend	Bag
06-24-24	34735	6.36	25.33	23.44		103	Blend	Bag
06-24-24	34877	6.03	25.29	26.12		106	Blend	Bag
06-24-24	34967	6.13	24.57	24.26		102	Blend	Bag
06-24-24	35412	6.50	23.21	25.84		102	Mnfr	Bag
06-24-24	35415	6.49	23.69	25.22		102	Mnfr	Bag
Statistical Analysis for Grade : 06-24-24								
Number of Samples This Grade : 8								
Average Analysis :		6.29	24.33	24.86		102.5		
CV, %		7.92	5.41	5.86				
10-10-10	32472	9.43	9.43	10.40		96 *	Blend	Bag
10-10-10	33000	9.93	9.79	10.20		99	Blend	Bag
10-10-10	33059	8.95 *	8.18 *	10.22		89 *	Blend	Bag
10-10-10	33090	10.69	10.27	10.47		105	Blend	Bag
10-10-10	33606	9.78	9.46	10.29		98	Blend	Bag
10-10-10	33630	10.03	9.68	10.93		101	Blend	Bag
10-10-10	33884	9.33	9.77	11.10		99	Blend	Bag
10-10-10	34170	10.17	10.05	10.18		101	Blend	Bag
10-10-10	34500	8.62 *	9.31	11.49		96 *	Blend	Bag
10-10-10	34502	9.72	10.05	10.07		99	Blend	Bag
10-10-10	34662	9.65	9.90	9.96		98	Blend	Bag
10-10-10	34736	10.88	10.42	10.50		106	Blend	Bag
10-10-10	34777	9.58	9.53	10.69		98	Blend	Bag
10-10-10	34878	9.09 *	9.79	10.47		97 *	Blend	Bag
10-10-10	34968	9.14	9.88	10.72		98	Blend	Bag
10-10-10	35368	10.91	10.35	9.99		105	Blend	Bag
10-10-10	35409	9.27	9.84	10.36		98	Mnfr	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 : 17								
Average Analysis :		9.72	9.75	10.47		99.0		
CV, %		6.84	5.27	3.91				
10-20-20	34876	9.60	19.06	20.35		97	Blend	Bag
15-15-15	32816	13.36 *	15.55	17.65		102	Blend	Bag
15-15-15	32881	14.18	14.80	17.43	*	104	Blend	Bag
15-15-15	33001	15.32	15.67	15.87		104	Blend	Bag
15-15-15	33511	13.88	14.71	17.25		100	Blend	Bag
15-15-15	34737	12.31 *	14.54	17.30		97 *	Blend	Bag
15-15-15	34969	14.18	15.28	15.24		99	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 6								
Average Analysis :		13.87	15.09	16.79		100.9		
CV, %		7.2	3.12	5.87				
19-19-19	32817	18.67	18.78	21.38		102	Blend	Bag
19-19-19	32882	18.92	18.84	19.97		101	Blend	Bag
19-19-19	32992	18.93	19.45	19.82		102	Blend	Bag
19-19-19	33060	19.05	19.06	20.49		102	Blend	Bag
19-19-19	33631	18.59	16.15 *	22.90		98	Blend	Bag
19-19-19	34171	18.80	19.12	20.77		102	Blend	Bag
19-19-19	34448	17.30 *	18.38	21.92		99	Blend	Bag
19-19-19	34499	18.52	18.52	20.89		100	Blend	Bag
19-19-19	34663	18.16	19.51	20.28		101	Blend	Bag
19-19-19	34776	17.76	17.93	21.72		99	Blend	Bag
19-19-19	34879	17.30 *	18.64	21.87		100	Blend	Bag
19-19-19	35367	16.60 *	18.90	23.16		100	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 12								
Average Analysis :		18.22	18.61	21.26		100.5		
CV, %		4.38	4.78	5.11				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.73	98.57	107.49				
ALL SAMPLES,CV %		7.26	4.91	5.79				
NUMBER OF ANALYSIS		47	47	47				
Deficiency Rate = 23.40 %								
SS (RUSS) RUSSELL SPRINGS BR RUSSELL SPRINGS KY 42642								
17-17-17	33274	16.75	18.50	17.29		99	CM	Bulk
17-17-17	33275	16.49	17.75	17.76		97	CM	Bulk
17-17-17	33279	17.76	17.34	17.55		99	CM	Bulk
17-17-17	33280	17.03	19.25	17.65		102	CM	Bulk
17-17-17	33282	17.47	17.27	18.19		99	CM	Bulk
17-17-17	34222	17.30	19.06	17.49		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RUSS) RUSSELL SPRINGS BR RUSSELL SPRINGS KY 42642								
Statistical Analysis for Grade : 17-17-17								
Number of Samples This Grade : 6								
Average Analysis :		17.13	18.20	17.66		99.6		
CV, %		2.74	4.75	1.73				
19-19-19	33277	18.75	19.71	19.11		99	CM	Bulk
19-19-19	33281	17.97	20.94	19.63		101	CM	Bulk
22-10-14	33276	22.64	9.88	13.97		100	CM	Bulk
29-0-21	33283	30.35	0.00	20.73		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.37	102.64	98.77				
ALL SAMPLES,CV %		3.74	4.42	2.6				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 0.00 %								
SS (RUSS) RUSSELLVILLE COOP RUSSELLVILLE KY 42276								
12-23-23	33369	12.72	22.11	23.31		98	CM	Bulk
16-18-23	33370	15.58	18.67	24.16		100	CM	Bulk
16-23-16	33373	15.96	22.45	17.23		98	CM	Bulk
19-19-19	33365	19.85	19.66	18.30		100	CM	Bulk
19-19-19	33367	19.76	18.91	18.80		99	CM	Bulk
19-19-19	33371	18.78	18.84	19.92		99	CM	Bulk
19-19-19	33372	18.41	19.23	20.56		99	CM	Bulk
20-14-18	33366	19.98	14.72	19.45		101	CM	Bulk
23-14-04	33364	22.96	14.24	10.52		103	CM	Bulk
9-23-30	33368	8.96	23.64	29.36		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.57	99.66	114.21				
ALL SAMPLES,CV %		2.58	2.48	37.25				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (SHEL) SHELBYVILLE COOP SHELBYVILLE KY 40065								
18-0-0	35133	17.29	0.00	0.00		96 *	CM	Bulk
2-7-7	34508+	3.35	7.35	6.98		103	CM	Bulk
21-7-21	35132	21.34	7.41	22.44		102	CM	Bulk
29-11-11	34505	29.04	11.44	12.27		99	CM	Bulk
29-11-12	34506	29.80	10.78	12.01		98	CM	Bulk
29-11-12	34507	28.68	11.33	13.13		99	CM	Bulk
30-0-20	34026	29.72	0.00	21.59		100	CM	Bulk
6-17-37	34509	6.38	16.76	37.79		99	CM	Bulk
7-20-31	34024+	7.28	20.13	31.56		99	CM	Bulk
7-20-31	34025+	8.41	21.98	30.10		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (SHEL) SHELBYVILLE COOP SHELBYVILLE KY 40065								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.70	100.06	101.89				
ALL SAMPLES,CV %		7.46	4.35	4.39				
NUMBER OF ANALYSIS		10	8	9				
Deficiency Rate = 10.00 %								

SS (SOME) SOMERSET COOP SOMERSET KY 42501								
12-23-24	33360	11.46	23.97	24.00		99	CM	Bulk
12-23-24	33431	11.69	23.28	24.96		99	CM	Bulk
16-8-26	33430	16.06	7.72	27.30		100	CM	Bulk
18-18-18	33428	18.37	18.23	19.00		97	CM	Bulk
19-16-16	33361	19.23	16.49	15.78		100	CM	Bulk
19-19-19	33362	19.07	19.94	19.20		100	CM	Bulk
19-19-19	33363	18.95	18.76	19.61		100	CM	Bulk
19-19-19	33427	18.02	19.46	18.66		98	CM	Bulk
19-19-19	33429	18.64	19.55	19.89		100	CM	Bulk
21-14-14	33359	21.26	14.14	14.05		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.89	99.44	100.46				
ALL SAMPLES,CV %		2.35	2.45	2.3				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

SS (SPRI) LEBANON-SPRINGFIELD BR SPRINGFIELD KY 40069								
10-26-25	33974	10.14	25.89	26.71		100	CM	Bulk
19-19-19	34253	18.95	19.80	19.64		100	CM	Bulk
21-0-21	33969	20.62	0.00	23.48		100	CM	Bulk
21-0-22	33970	21.24	0.00	23.08		101	CM	Bulk
21-11-15	33972	21.24	11.19	15.37		99	CM	Bulk
24-13-17	33975	24.15	12.66	18.78		100	CM	Bulk
27-11-15	34251	27.11	11.52	15.58		100	CM	Bulk
28-10-14	34252	27.44	10.97	15.61		100	CM	Bulk
30-0-20	33973	29.11	0.00	22.60		101	CM	Bulk
36-6-6	33971	36.23	6.69	7.25		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.92	99.38	105.08				
ALL SAMPLES,CV %		1.64	2.15	3.13				
NUMBER OF ANALYSIS		10	7	10				
Deficiency Rate = 0.00 %								

SS (STAN) STANFORD SVC STANFORD KY 40484								
10-10-9	33903	9.54	9.83	9.90		98	CM	Bulk
10-9-9	33911	9.42	9.80	10.21		98	CM	Bulk
19-0-34	33901	19.00	0.00	35.70		100	CM	Bulk
19-19-19	33904	19.06	19.57	18.82		99	CM	Bulk
19-19-19	33906	18.73	19.36	19.04		98	CM	Bulk
19-19-19	33907	18.83	18.87	20.23		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (STAN) STANFORD SVC		STANFORD KY 40484						
19-19-19	33908	18.97	18.74	19.93		98	CM	Bulk
23-12-12	33902	21.49	8.98 *	15.98		95 *	CM	Bulk
9-9-9	33905	9.19	9.53	9.99		97	CM	Bulk

SS (WARS) GALLATIN SVC		WARSAW KY 41095						
0-32-12	34773	0.00	32.97	12.29		103	CM	Bulk
16-12-18	35144	16.05	12.28	19.37		100	CM	Bulk
19-19-19	34541	19.42	18.61	19.44		99	CM	Bulk
19-19-19	34772	18.76	19.62	19.80		100	CM	Bulk
25-10-15	35145	25.31	11.16	15.92		103	CM	Bulk
27-14-13	34542	26.52	14.92	13.25		100	CM	Bulk
34-0-15	34544	34.02	0.00	16.25		101	CM	Bulk
5-10-37	34543+	5.89	10.14	38.39		101	CM	Bulk
5-15-40	35146	4.75	15.11	40.30		99	CM	Bulk
7-5-8	35143	7.77	5.58	8.69		103	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.67	101.22	101.90				
ALL SAMPLES,CV %		3	3.35	3.28				
NUMBER OF ANALYSIS		9	9	10				
Deficiency Rate = 0.00 %								

SS (WINC) CLARK COOP		WINCHESTER KY 40391						
19-19-19	34812	19.08	18.50	19.52		98	CM	Bulk
19-19-19	34813	18.84	19.27	18.91		98	CM	Bulk
19-19-19	34814	18.80	19.22	19.20		98	CM	Bulk
19-19-19	34816	19.30	18.73	19.74		99	CM	Bulk
43-0-0	34818+	40.92 *	0.00	0.00		95 *	CM	Bulk
7-18-29	34817	6.90	17.91	30.97		101	CM	Bulk

SS (WINC) COOP, INC.		WINCHESTER KY 40391						
00-00-21	32492+	0.00	0.00	22.18		106	Mat	Bulk
00-10-30	34279+	0.00	9.83	29.96		99	Blend	Bag
00-10-30	34697+	0.00	9.38	32.22		102	Blend	Bag
00-25-25	34823	0.00	26.59	24.65		103	Blend	Bag
00-25-25	34857	0.00	25.48	25.52		102	Blend	Bag
05-10-15	33668	5.10	10.37	15.89		105	Blend	Bag
05-10-15	34028	4.33 *	8.90 *	14.16		92 *	Blend	Bag
05-10-15	34126	4.41 *	9.14	14.15		93 *	Blend	Bag
05-10-15	34152	4.64	9.49	14.02		94 *	Blend	Bag
05-10-15	34280	4.51 *	8.80 *	15.87		98	Blend	Bag
05-10-15	34356	4.45 *	9.07 *	16.09		100	Blend	Bag
05-10-15	34535	4.96	9.73	16.09		103	Blend	Bag
05-10-15	34664	5.17	10.52	14.12		99	Blend	Bag
05-10-15	34666	4.96	10.11	14.87		100	Blend	Bag
05-10-15	34698	4.73	9.12	15.64		99	Blend	Bag
05-10-15	34699	4.73	9.75	15.64		101	Blend	Bag
05-10-15	34713	5.16	9.97	16.37		105	Blend	Bag
05-10-15	34717	4.27 *	9.35	14.66		95 *	Blend	Bag
05-10-15	34819	4.45 *	9.29	15.76		99	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (WINC) COOP, INC. WINCHESTER KY 40391								
05-10-15	34822	4.80	9.67	16.38		104	Blend	Bag
05-10-15	34828	4.51 *	8.97 *	15.38		97 *	Blend	Bag
05-10-15	34846	4.66	9.99	14.65		98	Blend	Bag
05-10-15	34854	5.30	10.41	15.74		105	Blend	Bag
05-10-15	34861	5.59	10.73	16.53		110	Blend	Bag
05-10-15	34906	4.43 *	9.15	16.00		100	Blend	Bag
05-10-15	35023	4.87	9.84	15.22		100	Blend	Bag
05-10-15	35034	4.72	9.43	14.49		96 *	Blend	Bag
05-10-15	35316	4.98	9.99	15.05		100	Blend	Bag
05-10-15	35336	4.81	9.37	14.96		97	Blend	Bag
05-10-15	35427	4.81	10.05	14.92		99	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 25								
Average Analysis :		4.77	9.65	15.31		99.4		
CV, %		6.87	5.61	5.08				
05-20-20	34668	5.29	20.45	19.87		102	Blend	Bag
05-20-20	34826	4.70	20.02	20.77		101	Blend	Bag
05-20-20	34858	4.89	19.12	21.01		99	Blend	Bag
06-12-12	34321	5.31 *	11.16	11.40		93 *	Blend	Bag
06-12-18	35423	5.54	11.08	17.97		97 *	Blend	Bag
06-24-24	34353	5.67	22.83	25.67		99	Blend	Bag
06-24-24	34909	5.06 *	21.61 *	26.83		96 *	Blend	Bag
08-10-15	34701	6.20 *	8.19 *	17.14		97	Blend	Bag
09-18-27	34022	8.95	17.45	27.68		100	Blend	Bag
09-18-27	35024	8.81	17.93	28.55		103	Blend	Bag
09-18-27	35426	8.30	17.05	28.36		98	Blend	Bag
10-10-10	32459	8.94 *	9.21	8.81 *		90 *	Blend	Bag
10-10-10	32463	9.87	10.34	11.70		105	Blend	Bag
10-10-10	32629	9.39	9.40	9.96		95 *	Blend	Bag
10-10-10	33014	10.03	9.43	10.83		100	Blend	Bag
10-10-10	33880	8.73 *	9.84	11.06		97	Blend	Bag
10-10-10	33909	9.39	9.52	9.88		96 *	Blend	Bag
10-10-10	34027	9.80	10.15	10.95		102	Blend	Bag
10-10-10	34037	9.93	9.62	10.65		100	Blend	Bag
10-10-10	34102	8.78 *	9.26	9.95		92 *	Blend	Bag
10-10-10	34125	8.35 *	9.33	10.24		92 *	Blend	Bag
10-10-10	34151	8.54 *	8.61 *	9.42		88 *	Blend	Bag
10-10-10	34281	8.99 *	10.01	10.69		98	Blend	Bag
10-10-10	34323	8.41 *	9.62	9.24		91 *	Blend	Bag
10-10-10	34405	10.03	9.90	9.94		100	Blend	Bag
10-10-10	34480	9.43	10.07	10.03		98	Blend	Bag
10-10-10	34517	8.89 *	9.51	10.80		96 *	Blend	Bag
10-10-10	34532	9.21	9.62	10.67		97	Blend	Bag
10-10-10	34669	9.12	9.70	10.45		97 *	Blend	Bag
10-10-10	34689	8.64 *	9.29	9.74		92 *	Blend	Bag
10-10-10	34700	9.08 *	9.70	10.43		96 *	Blend	Bag
10-10-10	34766	8.56 *	9.59	9.77		93 *	Blend	Bag
10-10-10	34815	9.08 *	10.03	9.35		96 *	Blend	Bag
10-10-10	34827	8.39 *	8.98 *	9.34		88 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (WINC) COOP, INC. WINCHESTER KY 40391								
10-10-10	34845	8.24 *	9.09 *	11.62		94 *	Blend	Bag
10-10-10	34859	8.71 *	9.29	10.23		93 *	Blend	Bag
10-10-10	35025	8.40 *	9.85	10.62		95 *	Blend	Bag
10-10-10	35033	8.86 *	9.09 *	10.58		94 *	Blend	Bag
10-10-10	35045	9.45	10.15	9.90		98	Blend	Bag
10-10-10	35337	9.33	9.38	9.89		95 *	Blend	Bag
10-10-10	35350	9.41	9.75	10.23		97	Blend	Bag
10-10-10	35428	9.34	9.59	10.80		98	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 31								
Average Analysis :		9.07	9.58	10.25		95.5		
CV, %		5.78	4.05	6.55				
10-10-20	34130	9.13	9.38	20.32		98	Blend	Bag
10-10-20	34702	8.89 *	9.11 *	21.18		99	Blend	Bag
12-12-12	34127	11.39	12.22	11.86		98	Blend	Bag
12-12-12	34355	11.63	11.97	11.83		98	Blend	Bag
12-12-12	34533	9.38 *	10.67 *	13.15		90 *	Blend	Bag
12-12-12	34905	10.92 *	11.34	12.77		96 *	Blend	Bag
12-12-12	35317	8.91 *	11.16	13.33		90 *	Blend	Bag
Statistical Analysis for Grade : 12-12-12								
Number of Samples This Grade : 5								
Average Analysis :		10.44	11.47	12.59		94.5		
CV, %		11.75	5.47	5.62				
15-15-15	32458	14.62	16.05	16.10		104	Blend	Bag
15-15-15	33881	13.80	13.93 *	15.59		95 *	Blend	Bag
15-15-15	34129	14.22	14.76	14.86		97	Blend	Bag
15-15-15	34322	14.59	15.67	14.22		100	Blend	Bag
15-15-15	34844	13.69 *	14.20	16.54		100	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 5								
Average Analysis :		14.18	14.92	15.46		99.0		
CV, %		3.05	6.15	6.04				
19-19-19	32462	18.39	19.20	20.12		101	Blend	Bag
19-19-19	33667	18.98	19.85	19.68		103	Blend	Bag
19-19-19	33879	18.58	18.11	20.36		99	Blend	Bag
19-19-19	33910	18.83	19.37	18.60		100	Blend	Bag
19-19-19	34128	18.97	17.77	20.09		99	Blend	Bag
19-19-19	34283	18.92	19.43	18.95		101	Blend	Bag
19-19-19	34354	18.04	18.01	20.89		98	Blend	Bag
19-19-19	34404	20.56	20.20	16.83 *		103	Blend	Bag
19-19-19	34479	18.12	19.03	19.94		100	Blend	Bag
19-19-19	34518	18.74	19.88	19.17		102	Blend	Bag
19-19-19	34534	17.65	18.65	21.68		100	Blend	Bag
19-19-19	34665	18.86	19.56	19.64		102	Blend	Bag
19-19-19	34690	19.18	20.13	18.96		103	Blend	Bag
19-19-19	34703	19.09	19.09	20.67		102	Blend	Bag
19-19-19	34820	19.03	19.11	19.67		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	34821	18.57	19.13	20.76		102	Blend	Bag
19-19-19	34843	18.94	18.67	20.19		101	Blend	Bag
19-19-19	34907	18.02	19.18	20.72		101	Blend	Bag
19-19-19	35026	18.11	20.19	20.45		103	Blend	Bag
19-19-19	35032	19.06	18.97	19.81		101	Blend	Bag
19-19-19	35161	19.05	18.83	20.08		101	Blend	Bag
19-19-19	35332	19.07	18.59	19.42		100	Blend	Bag
19-19-19	35338	19.22	21.45	18.10		104	Blend	Bag
19-19-19	35349	19.39	18.46	20.08		101	Blend	Bag
19-19-19	35425	17.89	19.79	20.37		101	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 25								
Average Analysis :		18.77	19.23	19.81		101.0		
CV, %		3.21	4.21	5.05				
21-00-00	35369+	21.73	0.00	0.00		103	Mnfr	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		94.15	97.34	103.17				
ALL SAMPLES,CV %		6.96	5.35	5.47				
NUMBER OF ANALYSIS		105	108	109				
Deficiency Rate = 38.18 %								
STANLEY AG SERVICE LLC STANLEY KY 42375								
00-00-60	33037	0.00	0.00	61.16		102	Mat	Bulk
18-46-00	33036	17.75	46.15	0.00		100	Mat	Bulk
20-12-19	35402	19.13	12.64	21.34		102	CM	Bulk
46-00-00	33035	45.99	0.00	0.00		100	Mat	Bulk
SUNWRAY LIQUID FERT. INC. WINGO KY 42088								
00-00-60	32764	0.00	0.00	61.51		102	Mat	Bulk
18-46-00	32763	17.64	46.27	0.00		100	Mat	Bulk
34-00-00	32762	33.78	0.00	0.00		101	Mat	Bulk
6-15-20	32608	6.17	14.96	21.90		103	CM	Bulk
9-23-30	34493	8.62	23.18	30.22		100	CM	Bulk
9-23-30	34494	9.03	23.03	30.44		101	CM	Bulk
9-23-30	34964	8.74	22.97	29.81		99	CM	Bulk
9-23-30	34965	8.88	22.45	30.06		99	CM	Bulk
SWISS FARMS PRODUCTS, INC. LAS VEGAS NV 89109								
18-18-21	33389+	14.42 *	18.85	23.02		99	Mnfr	Bag
TAYLOR, G.M. SEED CO. GEORGETOWN KY 40324								
10-0-16	35114	8.55 *	0.00	15.18 *		89 *	CM	Bulk
11-14-25	35107	11.73	14.05	25.60		100	CM	Bulk
13-15-22	35109	13.12	15.54	24.25		103	CM	Bulk
13-15-22	35115	12.48 *	12.84 *	25.56		100	CM	Bulk
14-14-21	35108	14.62	13.10	22.61		100	CM	Bulk
14-14-21	35113	14.16	13.86	23.13		102	CM	Bulk
15-0-11	35110	16.16	0.00	12.13		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
TAYLOR, G.M. SEED CO. GEORGETOWN KY 40324								
15-0-26	35111	15.29	0.00	26.22		100	CM	Bulk
17-0-30	34753	16.07	0.00	30.66		99	CM	Bulk
32-0-17	34098	31.69	0.00	18.95		100	CM	Bulk
34-00-00	34097	33.35	0.00	0.00		98	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.30	95.14	104.17				
ALL SAMPLES,CV %		5.49	7.15	5.03				
NUMBER OF ANALYSIS		11	5	10				
Deficiency Rate = 18.18 %								
THE ANDERSONS LAWN FERT DIV MAUMEE OH 43537								
16-25-12	32747+	16.08	25.79	12.93		103	Blend	Bag
19-19-19	35036	18.42	18.85	19.38		99	Blend	Bag
THE SCOTTS CO. MARYSVILLE OH 43041								
10-10-10	33842+	10.93	10.76	11.76		111	Blend	Bag
10-12-10	34010+	10.76	13.39	11.40		111	Blend	Bag
20-27-05	33839+	20.37	27.29	5.43		102	Blend	Bag
22-03-14	34284+	22.04	3.15	15.13		103	Blend	Bag
22-04-11	34285+	22.40	3.59	10.52		99	Mnfr	Bag
27-03-04	33644+	26.73	3.32	5.20		103	Mnfr	Bag
28-03-06	33392	29.08	2.89	6.51		104	Blend	Bag
28-03-08	33076+	28.60	3.20	8.99		104	Mnfr	Bag
32-03-10	33393+	32.55	4.06	10.97		106	Blend	Bag
TIGER-SUL PRODUCTS, LLC ATMORE AL 36504								
00-00-00	33079+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	34450+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	34661+	0.00	0.00	0.00			Mat	Bag
00-00-00	34796+	0.00	0.00	0.00			Mat	Bag
TRACE CHEM INC. PEKIN IL 61554-1522								
00-00-00	35278+	0.00	0.00	0.00			Mat	Liq
TRI COUNTY FERT. RICHMOND KY 40475-2014								
14-00-16	34984	13.12	0.00	16.94		102	CM	Bulk
15-15-23	34981	14.13	16.58	23.69		103	CM	Bulk
16-11-16	34978	13.83 *	11.00	16.24	*	97	CM	Bulk
16-7-11	34976	16.02	8.08	12.44		102	CM	Bulk
16-7-11	34977	16.36	8.69	12.45	*	105	CM	Bulk
18-13-19	34975	17.16 *	14.29	19.87		99	CM	Bulk
19-19-19	34983	17.84	20.10	19.32		100	CM	Bulk
22-11-17	34982	19.63 *	13.34	20.14	*	105	CM	Bulk
6-12-18	34979	6.09	13.02	17.95		100	CM	Bulk
9-18-27	34980	9.34	17.62	28.39		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

TRI COUNTY FERT. RICHMOND KY 40475-2014								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		94.79	106.84	104.61				
ALL SAMPLES,CV %		4.91	5.24	5.34				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 30.00 %								

TRIMBLE CO FARM MILTON KY 40045								
19-19-19	34531	19.19	21.21	17.77 *		101	CM	Bulk
19-20-18	34526	15.45 *	16.81 *	26.55		94 *	CM	Bulk
2-6-8	34528	2.44	6.48	8.36		98	CM	Bulk
23-18-14	34527+	18.58 *	13.53 *	24.16		93 *	CM	Bulk
46-00-00	34017	46.10	0.00	0.00		100	Mat	Bulk
9-24-23	34529	9.29	24.43	23.32		100	CM	Bulk
9-25-24	34530	9.80	26.18	23.68		101	CM	Bulk

TRUSERV CORP. CHICAGO IL 60631								
28-03-03	34896	28.35	3.11	3.67		103	Blend	Bag

U.S. BORAX INC. VALENCIA CA 91355								
00-00-00	32726+	0.00	0.00	0.00			Mat	Bag
00-00-00	33080+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	33150+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	33278+	0.00	0.00	0.00			Mat	Bag
00-00-00	33796+	0.00	0.00	0.00			Mnfr	Bag
00-00-00	33912+	0.00	0.00	0.00			Mat	Bag
00-00-00	33987+	0.00	0.00	0.00			Mat	Bag
00-00-00	34106+	0.00	0.00	0.00			Mat	Bag
00-00-00	34153+	0.00	0.00	0.00			Mat	Bag
00-00-00	34256+	0.00	0.00	0.00			Mat	Bag
00-00-00	34660+	0.00	0.00	0.00			Mat	Bag
00-00-00	34687+	0.00	0.00	0.00			Mat	Bag
00-00-00	34884+	0.00	0.00	0.00			Mat	Bag
00-00-00	35330+	0.00	0.00	0.00			Blend	Bag
00-00-00	35410+	0.00	0.00	0.00			Mat	Bag
Statistical Analysis for Grade : 00-00-00								
Number of Samples This Grade : 15								
Average Analysis :		0.00	0.00	0.00		0.0		
CV, %		0	0	0				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		0.00	0.00	0.00				
ALL SAMPLES,CV %		0	0	0				
NUMBER OF ANALYSIS		1	1	1				
Deficiency Rate = 13.33 %								

UNITED INDUSTRIES ST. LOUIS MO 63114								
28-02-04	33646	28.25	3.26	5.06		107	Blend	Bag
28-03-03	33397	26.69	3.56	3.37		99	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

UNITED INDUSTRIES ST. LOUIS MO 63114								
28-03-08	33840+	28.96	2.46	7.65		100	Blend	Bag
30-03-03	34301+	30.09	3.07	3.30		101	Blend	Bag
30-03-04	33398+	31.89	4.34	3.83		109	Blend	Bag

VALLEY FARM CTR INC. MONTICELLO KY 42633								
17-17-17	34875	17.67	17.73	17.95		100	CM	Bulk
24-12-9	34874	24.55	13.37	9.23		102	CM	Bulk

VALLEY FERTILIZER SVC. EDMONTON KY 42129								
13-9-14	34881	12.82	9.76	14.16		99	CM	Bulk
18-18-18	33230	23.01	12.10 *	19.30		95 *	CM	Bulk
19-19-19	32541	18.79	18.85	19.87		98	CM	Bulk
19-19-19	33224	19.32	20.18	19.28		101	CM	Bulk
19-19-19	33225	18.51	20.87	19.81		102	CM	Bulk
19-19-19	33226	19.39	19.41	19.96		101	CM	Bulk
19-19-19	33227	19.37	19.65	19.88		101	CM	Bulk
19-19-19	33229	18.87	19.49	19.88		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		19.04	19.74	19.78		100.5		
CV, %		1.94	3.54	1.26				
21-9-14	34882	22.43	9.28	14.70		102	CM	Bulk
21-9-14	34883	21.74	9.85	13.37		98	CM	Bulk
25-15-15	33228	23.96	15.86	16.14		100	CM	Bulk
28-12-12	33222	21.12 *	24.12	12.63		110	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.57	105.00	102.03				
ALL SAMPLES,CV %		10.6	27.04	3.47				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 16.67 %								

WARNER FERT CO. (ALBA) ALBANY KY 42602								
19-14-14	33192	20.53	14.16	15.47		104	CM	Bulk
19-19-19	33191	18.13	19.02	21.27		101	CM	Bulk
19-19-19	33193	19.35	19.02	19.85		102	CM	Bulk
19-19-19	33194	18.11	17.90	22.29		100	CM	Bulk
19-19-19	33195	19.11	19.27	19.45		101	CM	Bulk
19-19-19	33196	18.73	19.67	20.13		102	CM	Bulk
19-19-19	33197	19.59	19.23	19.21		102	CM	Bulk
19-19-19	33198	18.79	18.91	20.58		101	CM	Bulk
19-19-19	33204	18.89	19.37	19.73		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 8								
Average Analysis :		18.84	19.05	20.31		101.4		
CV, %		2.8	2.75	5.07				
20-15-14	34959	20.36	14.19	14.87		98	CM	Bulk
20-15-14	34960	20.46	14.35	14.86		98	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WARNER FERT CO. (ALBA)		ALBANY KY 42602						
20-15-14	34961	20.44	14.85	14.37		99	CM	Bulk
20-15-14	34962	20.87	14.37	14.64		99	CM	Bulk
27-13-13	33203	26.97	13.17	14.95		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.04	98.48	104.92				
ALL SAMPLES,CV %		2.49	3.46	5.69				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate = 0.00 %								

WARNER FERT CO. (CAMP)		CAMPBELLSVILLE KY 42718						
17-17-17	34722	17.23	18.27	17.87		100	CM	Bulk
19-19-19	34723	18.65	20.33	19.53		101	CM	Bulk
23-11-11	34718	23.20	11.31	11.40		99	CM	Bulk
29-11-11	34721	27.33 *	12.94	14.21		101	CM	Bulk

WARNER FERT CO. (COLU)		COLUMBIA KY 42728						
17-17-17	34811	16.82	16.29	18.84		101	CM	Bulk
5-21-31	35351	5.62	21.45	31.46		101	CM	Bulk

WARNER FERT CO. (EAST)		EAST BERNSTADT KY 40729						
11-11-11	35175	10.69	11.94	11.80		99	CM	Bulk
12-24-24	35176	13.12	23.19	25.01		102	CM	Bulk
12-24-24	35177	12.67	23.23	25.52		102	CM	Bulk
12-8-12	35180	12.87	8.47	12.30		100	CM	Bulk
17-5-8	35182	21.54	10.83	13.96		149	CM	Bulk
18-11-16	35181	20.27	10.32	15.76		99	CM	Bulk
20-9-14	35173	22.44	9.62	13.60		102	CM	Bulk
28-12-12	35178	29.02	11.87	12.35		100	CM	Bulk
28-12-12	35179	28.46	12.57	12.70		101	CM	Bulk
8-17-26	35174	9.77	19.75	27.21	*	105	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		106.59	108.74	106.48				
ALL SAMPLES,CV %		7.25	27.05	19.39				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

WARNER FERT CO. (LIBE)		LIBERTY KY 42539						
0-15-40	35252	0.00	15.46	40.32		101	CM	Bulk
0-18-18	35250+	0.00	19.01	19.17		101	CM	Bulk
15-17-23	34790+	15.32	17.20	23.38		98	CM	Bulk
16-5-17	35249	14.80 *	6.20	18.14		100	CM	Bulk
16-5-17	35253	13.71 *	4.96	16.87		90 *	CM	Bulk
18-18-18	35259	18.17	19.69	19.65		102	CM	Bulk
19-19-19	34795	18.53	18.54	19.64		99	CM	Bulk
19-19-19	34798	19.49	18.66	18.76		100	CM	Bulk
30-10-10	35251	30.03	10.53	10.27		100	CM	Bulk

WARNER FERT CO. (MONT)		MONTICELLO KY 42633						

10-27-24	33356	10.10	27.23	24.59	99	CM	Bulk
17-17-17	33349	17.45	17.72	18.16	100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (MONT) MONTICELLO KY 42633								
17-17-17	33353	17.06	17.72	18.17		99	CM	Bulk
17-17-17	33354	16.73	18.10	18.94		100	CM	Bulk
17-17-17	33355	16.57	18.71	19.07		101	CM	Bulk
17-17-17	33357	17.17	17.02	19.56		100	CM	Bulk
17-17-17	33358	17.19	17.97	18.13		100	CM	Bulk
Statistical Analysis for Grade : 17-17-17								
Number of Samples This Grade : 6								
Average Analysis :		17.03	17.87	18.67		100.0		
CV, %		1.9	3.1	3.24				
19-19-19	33351	18.63	19.57	20.06		100	CM	Bulk
21-11-15	33350	20.79	11.93	15.31		100	CM	Bulk
9-9-9	33352	9.16	8.95	9.81		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.93	100.43	104.12				
ALL SAMPLES,CV %		1.71	3.17	2.65				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
WARNER FERT CO. (NAN) NANCY KY 42544								
10-10-10	33691	9.65	9.99	10.59		100	CM	Bulk
17-17-17	33530	17.38	18.43	18.48		101	CM	Bulk
17-17-17	33532	16.95	15.80 *	17.29		98	CM	Bulk
17-17-17	33692	16.74	18.67	17.17		104	CM	Bulk
17-17-17	33711	17.25	17.24	18.26		103	CM	Bulk
19-14-14	33713	18.54	14.78	15.43		99	CM	Bulk
19-14-14	33714	18.50	15.80	15.10		101	CM	Bulk
19-19-19	33533	18.33	19.20	19.32		100	CM	Bulk
19-19-19	33534	18.58	19.97	19.04		101	CM	Bulk
19-19-19	33712	17.85	19.34	19.34		99	CM	Bulk
20-10-10	33529	20.84	9.14	9.61		99	CM	Bulk
20-10-10	33531	20.61	9.19	9.46		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.25	100.64	101.89				
ALL SAMPLES,CV %		3.34	5.92	3.68				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 8.33 %								
WARNER FERT CO. (RUSS) RUSSELL SPRINGS KY 42642								
19-19-19	33995	19.56	20.38	19.03		104	CM	Bulk
19-19-19	33996	19.83	18.73	19.99		102	CM	Bulk
19-19-19	33997	18.39	18.25	21.98		99	CM	Bulk
19-19-19	34000	19.58	19.07	19.24		102	CM	Bulk
19-19-19	34002	19.01	18.78	20.31		101	CM	Bulk
19-19-19	34221	19.26	19.71	20.01		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WARNER FERT CO. (RUSS) RUSSELL SPRINGS KY 42642								
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		19.27	19.15	20.09		101.9		
CV, %		2.68	4.01	5.21				
20-10-15	34003	21.66	9.45	14.68		102	CM	Bulk
22-10-15	33999	22.86	10.16	14.01		101	CM	Bulk
22-10-15	34001	22.24	9.18	14.47		98	CM	Bulk
24-10-20	33998	24.72	9.80	20.64		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.26	98.84	102.44				
ALL SAMPLES,CV %		3.45	4.77	5.92				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

WARNER FERT CO. (SOM) SOMERSET KY 42502								
00-00-00	32846+	0.00	0.00	0.00			Mat	Bulk
00-00-50	32842	0.00	0.00	49.39		99	Mat	Bulk
00-00-50	34885	0.00	0.00	49.72		99	Mat	Bulk
00-00-60	32702	0.00	0.00	60.50		101	Mat	Bulk
00-00-60	32810	0.00	0.00	60.79		101	Mat	Bulk
00-00-60	32831	0.00	0.00	60.28		100	Mat	Bulk
00-00-60	32845	0.00	0.00	59.99		100	Mat	Bulk
00-00-60	32855	0.00	0.00	60.63		101	Mat	Bulk
00-00-60	32873	0.00	0.00	57.99 *		97	Mat	Bulk
00-00-60	32904	0.00	0.00	60.17		100	Mat	Bulk
00-00-60	32939	0.00	0.00	60.16		100	Mat	Bulk
00-00-60	32947	0.00	0.00	60.29		100	Mat	Bulk
00-00-60	32962	0.00	0.00	59.77		100	Mat	Bulk
00-00-60	32967	0.00	0.00	59.06		98	Mat	Bulk
00-00-60	33006	0.00	0.00	60.69		101	Mat	Bulk
00-00-60	33422	0.00	0.00	60.11		100	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 13								
Average Analysis :		0.00	0.00	60.03		100.1		
CV, %		0	0	1.27				
00-46-00	32848	0.00	46.11	0.00		100	Mat	Bulk
00-46-00	32950	0.00	45.96	0.00		100	Mat	Bulk
00-46-00	33007	0.00	45.63	0.00		99	Mat	Bulk
05-10-10	33673	3.67 *	7.63 *	8.65 *		79 *	Blend	Bag
05-10-10	33675	4.60 *	9.64	9.77		96 *	Blend	Bag
05-10-10	33678	4.75	9.12	9.29		93 *	Blend	Bag
05-10-15	32856	4.25 *	9.33	15.94		99	Blend	Bag
05-10-15	33132	4.59 *	9.26	14.36		94 *	Blend	Bag
05-10-15	33200	4.65	9.34	14.83		96 *	Blend	Bag
05-10-15	33439	4.53 *	8.65 *	14.09		91 *	Blend	Bag
05-10-15	33666	3.49 *	7.15 *	13.37 *		81 *	Blend	Bag
05-10-15	34719	3.60 *	7.37 *	15.22		89 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (SOM) SOMERSET KY 42502								
05-10-15	34793	4.78	9.21	14.55		95 *	Blend	Bag
05-10-15	34809	4.51 *	8.53 *	16.45		100	Blend	Bag
05-10-15	34841	4.58 *	8.62 *	13.24 *		89 *	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 9								
Average Analysis :		4.33	8.61	14.67		92.8		
CV, %		10.82	9.67	7.34				
05-20-20	33665	4.61 *	20.25	19.24		98	Blend	Bag
05-20-20	33816	4.57 *	19.98	19.11		97	Blend	Bag
05-20-20	34076	4.75	19.56	19.60		98	Blend	Bag
05-20-20	34797	5.01	20.19	19.06		99	Blend	Bag
05-20-20	34840	4.19 *	11.91 *	21.28		78 *	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number of Samples This Grade : 5								
Average Analysis :		4.63	18.38	19.66		94.0		
CV, %		6.46	19.73	4.74				
06-12-12	32943	7.14	12.72	12.79		109	Blend	Bag
06-12-12	33446	5.62	11.02 *	11.66		94 *	Blend	Bag
06-12-12	33664	5.21 *	9.49 *	9.95 *		82 *	Blend	Bag
06-12-12	33672	5.76	11.11	11.92		95 *	Blend	Bag
10-10-10	32857	7.85 *	7.97 *	10.53		85 *	Blend	Bag
10-10-10	32908	9.30	9.78	9.81		96 *	Blend	Bag
10-10-10	32944	8.80 *	8.84 *	10.45		92 *	Blend	Bag
10-10-10	33107	10.02	9.73	10.61		100	Blend	Bag
10-10-10	33127	8.63 *	8.30 *	9.49		87 *	Blend	Bag
10-10-10	33185	9.60	9.64	10.75		99	Blend	Bag
10-10-10	33199	9.21	9.51	10.27		96 *	Blend	Bag
10-10-10	33441	9.69	9.90	9.38		97	Blend	Bag
10-10-10	33663	8.52 *	8.45 *	9.69		88 *	Blend	Bag
10-10-10	33674	7.97 *	8.76 *	9.94		87 *	Blend	Bag
10-10-10	33708	9.80	10.22	9.62		99	Blend	Bag
10-10-10	33817	8.84 *	8.92 *	9.52		90 *	Blend	Bag
10-10-10	33983	9.12	9.54	9.06 *		93 *	Blend	Bag
10-10-10	34720	9.26	10.18	10.28		99	Blend	Bag
10-10-10	34792	9.44	9.38	10.04		96 *	Blend	Bag
10-10-10	34808	9.92	10.61	9.71		101	Blend	Bag
10-10-10	34996	8.70 *	7.86 *	10.47		88 *	Blend	Bag
10-10-10	35366	9.75	10.67	10.79		104	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 18								
Average Analysis :		9.13	9.35	10.02		94.3		
CV, %		7	9.15	5.15				
10-20-20	32859	8.74 *	17.26 *	21.31		92 *	Blend	Bag
12-24-24	34340	12.06	24.29	24.35		101	Blend	Bulk
15-15-15	33009	13.50 *	14.45	14.42		94 *	Blend	Bag
15-15-15	33128	15.60	15.55	13.89 *		101	Blend	Bag
15-15-15	33201	12.86 *	14.08	15.01		92 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WARNER FERT CO. (SOM) SOMERSET KY 42502								
15-15-15	33443	13.89	14.61	14.82		96 *	Blend	Bag
15-15-15	33818	14.49	15.19	15.04		99	Blend	Bag
15-15-15	33966	13.54 *	14.17	15.21		95 *	Blend	Bag
15-15-15	34794	14.11	13.30 *	16.89		97	Blend	Bag
15-15-15	34963	14.81	14.99	14.79		99	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 8								
Average Analysis :		14.10	14.54	15.01		96.7		
CV, %		6.1	4.89	5.78				
18-18-18	33438	18.68	19.33	19.69		103	CM	Bulk
18-46-00	32833	17.82	46.33	0.00		100	Mat	Bulk
18-46-00	32843	17.66	46.23	0.00		100	Mat	Bulk
18-46-00	32874	17.73	46.49	0.00		100	Mat	Bulk
18-46-00	32905	17.90	46.24	0.00		100	Mat	Bulk
18-46-00	32941	17.58	46.28	0.00		100	Mat	Bulk
18-46-00	32948	17.72	45.95	0.00		100	Mat	Bulk
18-46-00	32961	17.62	45.73	0.00		99	Mat	Bulk
18-46-00	32964	17.94	46.79	0.00		101	Mat	Bulk
18-46-00	32984	17.62	46.11	0.00		100	Mat	Bulk
18-46-00	33004	17.87	46.04	0.00		100	Mat	Bulk
18-46-00	33423	17.69	46.25	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 11								
Average Analysis :		17.74	46.22	0.00		100.0		
CV, %		0.7	0.6	0				
19-19-19	32858	18.54	18.62	20.73		100	Blend	Bag
19-19-19	32876	17.55	17.36 *	23.36		99	Blend	Bag
19-19-19	32909	18.88	21.03	18.20		103	Blend	Bag
19-19-19	32945	19.28	18.80	19.59		101	Blend	Bag
19-19-19	33008	19.04	19.42	20.39		103	Blend	Bag
19-19-19	33106	19.09	19.49	18.96		101	Blend	Bag
19-19-19	33131	19.59	18.36	19.43		100	Blend	Bag
19-19-19	33184	19.25	17.82	20.59		100	Blend	Bag
19-19-19	33202	18.66	17.79	20.64		99	Blend	Bag
19-19-19	33432	18.41	20.50	19.91		103	CM	Bulk
19-19-19	33433	18.42	20.37	19.05		102	CM	Bulk
19-19-19	33434	18.22	20.34	19.54		102	CM	Bulk
19-19-19	33436	19.30	19.17	19.59		100	CM	Bulk
19-19-19	33440	18.06	17.76	21.83		99	Blend	Bag
19-19-19	33442	18.21	20.17	18.54		100	CM	Bulk
19-19-19	33444	18.17	22.44	18.02		104	CM	Bulk
19-19-19	33445	19.36	20.69	18.28		103	CM	Bulk
19-19-19	33662	18.09	19.25	20.52		101	Blend	Bag
19-19-19	33707	18.64	18.63	19.39		99	Blend	Bag
19-19-19	33815	17.80	18.03	20.16		97	Blend	Bag
19-19-19	33965	19.25	20.29	18.38		102	Blend	Bag
19-19-19	33982	16.91 *	19.63	20.29		99	Blend	Bag
19-19-19	34341	18.58	18.50	20.17		100	Blend	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (SOM) SOMERSET KY 42502								
19-19-19	34342	18.00	18.54	20.11		98	Blend	Bag
19-19-19	34347	18.62	19.40	19.38		101	Blend	Bag
19-19-19	34791	18.80	20.36	17.97		101	Blend	Bag
19-19-19	34810	18.83	19.22	18.70		100	Blend	Bag
19-19-19	34995	20.39	19.35	17.87		102	Blend	Bag
19-19-19	35365	19.87	19.74	17.43 *		101	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 29								
Average Analysis :		18.68	19.35	19.55		100.7		
CV, %		3.87	5.95	6.57				
22-17-17	33435	21.91	17.95	15.99		101	CM	Bulk
22-20-00	34592	22.13	20.21	0.00		101	Blend	Bag
28-11-11	33437	28.79	11.09	11.38		99	CM	Bulk
34-00-00	32701	34.49	0.00	0.00		101	Mat	Bulk
34-00-00	32811	34.01	0.00	0.00		100	Mat	Bulk
34-00-00	32832	33.67	0.00	0.00		99	Mat	Bulk
34-00-00	32847	34.20	0.00	0.00		101	Mat	Bulk
34-00-00	32875	34.49	0.00	0.00		101	Mat	Bulk
34-00-00	32907	34.32	0.00	0.00		101	Mat	Bulk
34-00-00	32942	34.11	0.00	0.00		100	Mat	Bulk
34-00-00	32949	34.29	0.00	0.00		101	Mat	Bulk
34-00-00	32963	34.34	0.00	0.00		101	Mat	Bulk
34-00-00	32966	34.19	0.00	0.00		101	Mat	Bulk
34-00-00	33005	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	33129	33.98	0.00	0.00		100	Mnfr	Bag
34-00-00	33424	34.50	0.00	0.00		101	Mat	Bulk
Statistical Analysis for Grade : 34-00-00								
Number of Samples This Grade : 13								
Average Analysis :		34.24	0.00	0.00		100.7		
CV, %		0.73	0	0				
46-00-00	32700	46.13	0.00	0.00		100	Mat	Bulk
46-00-00	32809	45.90	0.00	0.00		100	Mat	Bulk
46-00-00	32830	46.03	0.00	0.00		100	Mat	Bulk
46-00-00	32844	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32854	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	32872	46.13	0.00	0.00		100	Mat	Bulk
46-00-00	32906	46.13	0.00	0.00		100	Mat	Bulk
46-00-00	32940	45.99	0.00	0.00		100	Mat	Bulk
46-00-00	32946	46.06	0.00	0.00		100	Mat	Bulk
46-00-00	32960	45.73	0.00	0.00		99	Mat	Bulk
46-00-00	32965	45.69	0.00	0.00		99	Mat	Bulk
46-00-00	33003	45.71	0.00	0.00		99	Mat	Bulk
46-00-00	33421	45.85	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WARNER FERT CO. (SOM) SOMERSET KY 42502								
Statistical Analysis for Grade : 46-00-00								
Number of Samples This Grade : 13								
Average Analysis :		45.98	0.00	0.00		100.0		
CV, %		0.4	0	0				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.00	96.60	100.28				
ALL SAMPLES,CV %		7.1	9.33	6.03				
NUMBER OF ANALYSIS		119	96	96				
Deficiency Rate = 28.99 %								

WARNER FERT CO. (STANF) STANFORD KY 40484								
16-11-30	33916	14.15 *	6.01 *	37.07		93 *	CM	Bulk
23-0-30	33914	21.43	0.00	32.09		99	CM	Bulk
4-11-45	33913	3.90 *	9.20 *	47.94		97	CM	Bulk
7-18-36	33915	6.23 *	14.44 *	40.54		95 *	CM	Bulk

WARNER FERT CO. (TOMPK) TOMPKINSVILLE KY 42167								
17-17-17	33135	18.24	17.24	17.62		100	CM	Bulk
17-17-17	33138	18.14	17.10	17.95		99	CM	Bulk
19-19-19	33124	19.35	20.20	19.37		102	CM	Bulk
19-19-19	33125	19.35	18.83	20.15		100	CM	Bulk
19-19-19	33126	19.61	18.04 *	19.46		98	CM	Bulk
19-19-19	33130	18.76	18.55	20.78		99	CM	Bulk
19-19-19	33133	19.23	19.86	19.62		101	CM	Bulk
19-19-19	33136	18.90	18.96	20.78		100	CM	Bulk
19-19-19	33137	18.82	18.94	20.95		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 7								
Average Analysis :		19.15	19.05	20.16		99.8		
CV, %		1.68	3.9	3.39				
27-11-15	33134	27.46	11.40	15.51		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.35	97.70	104.06				
ALL SAMPLES,CV %		2.01	3.33	3.21				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								

WILSON FARM SUPPLY, INC NANCY KY 42544								
19-19-19	33528	18.13	18.02	20.87		99	CM	Bulk
19-19-19	33597	19.65	18.14	18.98		99	CM	Bulk
19-5-22	33595	19.41	5.00	22.32		98	CM	Bulk
21-11-15	33525	22.02	11.11	16.58		103	CM	Bulk
22-9-14	33598	22.50	9.11	15.16		100	CM	Bulk
27-0-24	33526	28.02	0.00	24.46		102	CM	Bulk
27-0-24	33594	26.74	0.00	25.62		100	CM	Bulk
29-0-21	33527	29.77	0.00	22.78		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WILSON FARM SUPPLY, INC NANCY KY 42544								
29-0-21	33593	29.14	0.00	20.44		97	CM	Bulk
34-0-15	33596	34.51	0.00	15.02		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.08	93.36	103.31				
ALL SAMPLES,CV %		2.57	3.69	4.81				
NUMBER OF ANALYSIS		10	5	10				
Deficiency Rate = 0.00 %								

WOODFORD FEED CO. VERSAILLES KY 40383								
17-0-30	34625	16.31	0.00	30.94		100	CM	Bulk
17-00-00	34712	16.94	0.00	0.00		100	CM	Bulk
18-28-13	34626	18.15	27.62	14.49		99	CM	Bulk
23-0-0	34624	22.68	0.00	0.00		99	CM	Bulk
35-0-11	34622+	34.69	0.00	12.96		99	CM	Bulk
35-0-11	34623+	34.97	0.00	12.67		99	CM	Bulk
36-0-12	34627	35.93	0.00	13.46		100	CM	Bulk
36-0-12	34628	36.61	0.00	12.87		101	CM	Bulk
36-0-12	34629	35.05 *	0.00	14.70		100	CM	Bulk
36-0-12	34630	37.67	0.00	11.35		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.36	97.57	107.00				
ALL SAMPLES,CV %		2.17	0	6.99				
NUMBER OF ANALYSIS		10	1	8				
Deficiency Rate = 10.00 %								

WOODSTREAM CORP LITITZ PA 17543								
10-02-06	34848+	10.15	1.40	6.38		98	Mnfr	Bag

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		
	35064	00-00-00	B	10.00	10.82
AGRI-CHEM, INC. (HERN)		HERNDON	KY		
	32665	07-31-08	Zn	00.97	01.00
	32667	4-20-20	Zn	00.98	00.90
	32669	4-20-20	Zn	00.98	01.14
	32666	6-31-7	Zn	00.97	00.91
AGRI-CHEM, INC. (HOPK)		HOPKINSVILLE	KY		
	34215	9-24-18	B	00.65	00.64
	34214	9-25-20	B	00.66	00.72
AGRI-CHEM, INC. (TRENT)		TRENTON	KY		
	34049	09-23-24	SO4	01.84	05.58
AGRIUM U.S. INC. (REESE)		REESE	MI		
	32497	00-00-00	Mg	14.00	14.90
			B	00.80	01.19
	34438	00-00-00	Mg	05.00	04.66
			B	00.25	00.45
			Cu	00.25	00.62
			Zn	15.00	15.63
ALLENSVILLE CROP SVC.		ALLENSVILLE	KY		
	33718	26-16-11	Mg	00.23	00.37
			B	00.03	00.04
			Cu	00.03	00.08
			Zn	00.69	00.66
	33719	26-16-11	Mg	00.23	00.37
			B	00.03	00.03
			Cu	00.03	00.05
			Zn	00.69	00.69
AMERICAN PLANT FOOD		CREVE COEUR	MO		
	34014	15-30-15	B	00.02	00.03
			Cu	00.07	00.06
			Fe	00.15	00.16
			Mn	00.05	00.05
			Mo	00.0005	00.0003
			Zn	00.06	00.08
BARREN METCALF FARM SUPPLY LLC		KNOBLICK	KY		
	33231	0-0-57	B	00.27	00.24
			Zn	00.48	00.49

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
BARREN METCALF FARM SUPPLY LLC		KNOBLICK			
	33232	4-12-41	B	00.32	00.28
BAYER ADVANCED LLC		BIRMINGHAM			
	33390	30-03-05	WIN	01.05	01.08
			Cu	00.10	00.09
			Fe	01.00	00.95
			Mn	00.10	00.09
			Zn	00.10	00.30
	34799	30-03-05	WIN	01.05	01.03
			Cu	00.10	00.11
			Fe	01.00	01.36
			Mn	00.10	00.25
			Zn	00.10	00.23
	34804	30-03-05	WIN	01.05	00.96
			Cu	00.10	00.17
			Fe	01.00	01.70
			Mn	00.10	00.25
			Zn	00.10	00.37
	34805	30-03-05	WIN	01.05	00.94
			Cu	00.10	00.12
			Fe	01.00	01.51
			Mn	00.10	00.15
			Zn	00.10	00.46
	34806	30-03-05	WIN	01.08	01.04
			Cu	00.10	00.15
			Fe	01.00	02.22
			Mn	00.10	00.28
			Zn	00.10	00.45
BIG RIVERS AGRI SUPPLY		OWENSBORO			
	32460	26-00-00	SO4	01.00	00.84
			B	00.02	00.02
			Mo	00.0005	00.0005
	32461	26-00-00	SO4	01.00	00.47*
			B	00.02	00.02
			Mo	00.0005	00.0008
C F FARM SUPPLY, INC.		HISEVILLE			
	34956	12-8-15	Mg	01.19	03.28
			SO4	02.38	07.36
	34943	18-5-19	B	00.10	00.13
			Zn	00.03	00.23
	33243	7-19-33	B	00.22	00.22
	33244	7-19-33	B	00.22	00.22
	33242	9-24-24	B	00.42	00.41
CAMERON CHEMICALS, INC.		PORTSMOUTH			
	32997	00-00-00	B	10.00	10.81

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
CAMERON CHEMICALS, INC.		PORTSMOUTH	VA		
	33269	00-00-00	B	10.00	10.39
	34842	00-00-00	SO4	09.00	04.87*
			Zn	36.00	36.77
	34920	00-00-00	Mg	05.00	04.60
			SO4	09.00	06.70*
			B	00.75	00.94
			Cu	00.75	01.25
			Zn	15.00	13.29*
	33086	02-00-00	Ca	00.75	01.57
			Mg	05.00	04.94
			SO4	09.00	09.33
			B	00.75	00.91
			Zn	15.00	15.94
	33462	02-00-00	Mg	05.00	06.41
			B	00.75	00.78
			Cu	00.75	01.00
			Zn	15.00	15.50
CLEMENTS AG SUPP.		SPRINGFIELD	KY		
	34043	0-0-58	B	00.44	00.39
CROP PRODUCTION SVC INC (CAD)		CADIZ	KY		
	35194	07-17-17	Mg	04.12	04.99
			B	00.34	00.30
			Zn	01.37	02.29
CROP PRODUCTION SVC INC (CLA)		CLARKSON	KY		
	35216	13-8-13	Mg	01.11	04.99
			Zn	00.44	00.56
CROP PRODUCTION SVC INC (HOD)		HODGENVILLE	KY		
	34948	20-10-20	Mg	00.65	00.82
	33322	5-17-35	B	00.29	00.34
CROP PRODUCTION SVC INC (HOR)		HORSECAVE	KY		
	33753	10-10-35	B	00.41	00.38
	34944	16-18-18	Mg	01.10	01.03
	34957	19-11-18	Mg	00.97	00.87
			Zn	00.05	00.22
	34945	20-12-19	Mg	00.70	00.90
	33751	4-12-41	B	00.41	00.49
	33755	5-13-39	B	00.45	00.35*
	33752	5-14-38	B	00.48	00.55
	33750	6-13-38	B	00.44	00.50

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
CROP PRODUCTION SVC INC (PEM)		PEMBROKE			
	33338	00-29-15	Mg	01.71	01.49
			B	00.12	00.12
			Zn	00.61	00.54
	32594	7-18-27	B	00.31	00.33
CROP PRODUCTION SVC INC (RUS)		RUSSELLVILLE			
	33737	09-23-22	Mg	01.83	02.15
	34648	15-13-14	Mg	00.55	02.78
			B	00.04	00.06
			Zn	00.20	00.37
CROP PRODUCTION SVC INC (WAV)		WAVERLY			
	33927	7-19-33	Zn	00.56	00.40*
	33928	7-19-33	Zn	00.56	00.49*
CUB RUN MILLING CO.		CUB RUN			
	34951	13-9-14	Mg	01.35	02.26
			SO4	02.71	07.28
	34166	14-14-19	Mg	02.77	03.06
			SO4	05.54	07.01
	34167	14-14-20	Mg	02.79	02.81
			SO4	05.57	06.85
EARTHWORKS		MARTINS CREEK			
	32743	05-04-05	WIN	03.00	01.85*
ELKTON CROP SVC.		GUTHRIE			
	33735	10-24-26	Zn	01.32	01.60
ESPOMA CO.		MILLVILLE			
	34460	03-05-07	WIN	02.50	01.49*
			Ca	03.00	05.32
			Mg	00.50	01.09
			SO4	05.00	06.86
			B	00.02	00.03
			Cu	00.05	00.13
			Fe	01.00	01.61
			Mn	00.05	00.14
			Mo	00.0005	00.0002
			Zn	00.05	00.20
	34456	04-06-04	WIN	01.55	01.09*
			Ca	03.00	02.56*
			Mg	00.50	00.98
			SO4	05.00	06.55
			B	00.02	00.03
			Cu	00.05	00.09
			Fe	01.00	01.58
			Mn	00.05	00.11
			Mo	00.0005	00.0002
			Zn	00.05	00.10

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2002 - 2003
 TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
ESPOMA CO.		MILLVILLE	NJ		
	34458	04-07-10	WIN	01.70	01.29*
			Ca	03.00	04.22
			Mg	00.50	00.47
			SO4	05.00	06.64
			B	00.02	00.04
			Cu	00.05	00.13
			Fe	01.00	02.35
			Mn	00.05	00.20
			Mo	00.0005	00.0002
			Zn	00.05	00.20
	34457	05-03-03	WIN	04.00	03.64
			Ca	03.00	04.64
			Mg	00.50	00.68
			SO4	01.00	02.09
			B	00.02	00.02
			Cu	00.05	00.05
			Fe	01.00	00.82*
			Mn	00.05	00.09
			Mo	00.0005	00.0002
			Zn	00.05	00.08
	34459	06-06-04	WIN	02.30	01.84*
			Ca	03.00	03.38
			Mg	00.50	00.53
			SO4	05.00	06.30
			B	00.02	00.03
			Cu	00.05	00.09
			Fe	01.00	01.83
			Mn	00.05	00.17
			Mo	00.0005	00.0002
			Zn	00.05	00.41
FAIRPLAY FERTILIZER		GLENSFORK	KY		
	33803	6-25-25	B	00.21	00.23
FARMERS FERTILIZER CO.(KELLY R		BOWLING GREEN	KY		
	33488	5-14-18	B	00.41	00.49
	33270	8-21-28	B	00.57	00.63
FREE FLOW FERTILIZER CO.		MAUMEE	OH		
	34634	20-27-05	Cu	00.10	00.10
			Fe	01.00	02.00
			Mn	00.10	00.17
			Zn	00.10	00.46
			CSRN	05.10	06.56
	32498	26-04-14	Fe	01.00	01.04
			CSRN	04.70	04.43
	34468	28-03-03	CSRN	04.20	06.55

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
FREE FLOW FERTILIZER CO.		MAUMEE	OH		
	33645	28-04-06	CSRN	10.60	09.78
	33648	29-03-04	SO4	00.30	00.60
			Fe	02.00	01.93
	34467	29-03-04	Fe	02.00	02.36
FRIT INDUSTRIES		OZARK	AL		
	33151	00-00-00	Zn	36.00	40.69
	34103	00-00-00	Zn	36.00	39.38
	34104	00-00-00	B	02.00	01.65*
			Cu	05.00	05.93
			Fe	10.00	19.14
			Mn	05.00	07.55
			Mo	00.0500	00.0610
			Zn	05.00	07.23
	34278	00-00-00	Zn	36.00	37.38
	34282	00-00-00	B	02.00	02.12
			Cu	05.00	05.88
			Fe	10.00	15.32
			Mn	05.00	06.39
			Mo	00.0500	00.0130*
			Zn	05.00	09.93
GLENDALE FARM SVC.		GLENDALE	KY		
	33823	5-12-38	B	00.26	00.28
GREENLEAF PLANT FOOD		DANVILLE	KY		
	34004	24-05-11	Fe	02.00	01.20*
	34005	30-03-08	Fe	02.00	02.25
GREENVIEW DIV- LEBANON SEABOAR		LEBANON	PA		
	34300	24-02-08	WIN	08.50	06.10*
	34298	25-03-03	CSRN	03.75	07.96
	34299	30-04-04	WIN	05.20	04.53*
GRIFFIN INDUSTRIES INC.		COLD SPRING	KY		
	32678	07-01-14	WIN	06.00	05.84
	34890	07-01-14	WIN	06.00	05.83
	32676	08-03-05	Ca	03.00	04.02
			Mg	02.20	02.67
			SO4	04.00	05.33
			Fe	00.10	00.06*
	34892	08-03-05	WIN	06.80	07.66
			Ca	03.00	03.17
			Mg	02.20	03.30
			SO4	04.00	06.52
			Fe	00.10	00.07*

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2002 - 2003
 TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
GRIFFIN INDUSTRIES INC.		COLD SPRING	KY		
	32679	08-05-05	WIN	06.10	06.90
			Ca	04.50	07.62
			SO4	01.00	01.95
	32675	10-02-08	WIN	08.50	07.28*
			Ca	01.80	04.02
			Mg	00.50	00.17*
			SO4	03.00	03.23
	34895	10-02-08	WIN	08.50	09.31
			Ca	01.80	03.21
			Mg	00.50	00.14*
			SO4	03.00	03.09
	34894	12-02-06	WIN	05.50	05.78
	32677	15-02-08	WIN	09.00	07.98*
	34893	15-02-08	WIN	09.00	08.52
	34891	21-03-07	WIN	02.10	03.07
			Ca	04.20	06.74
			SO4	02.00	02.75
HYDRO AGRI N. AMERICA		TAMPA	FL		
	35035	16-00-00	Ca	19.00	19.37
KNOX FERTILIZER CO., INC.		KNOX	IN		
	34290	15-30-15	Cu	00.05	00.05
			Fe	00.10	00.09
			Mn	00.05	00.05
			Zn	00.05	00.04*
	34291	18-24-16	Cu	00.05	00.05
			Fe	00.10	00.10
			Mn	00.05	00.05
			Zn	00.05	00.05
	34293	27-03-03	Fe	01.00	01.55
LEBANON SEABOARD		LEBANON	PA		
	32465	10-16-20	Mg	01.00	01.80
			SO4	02.00	06.00
			Fe	01.00	01.62
			Mn	00.50	00.49
	34302	21-03-08	Mg	00.60	00.84
			Fe	00.40	00.67
			Mn	00.20	00.26
	32745	22-05-12	WIN	06.20	06.28
			SO4	08.00	09.92
			Fe	01.00	01.58
	34303	25-02-05	SO4	05.10	04.86
			Fe	01.00	00.95
			Zn	00.18	00.35
	32746	25-05-15	WIN	04.00	03.40*
			SO4	05.10	05.39
			Fe	02.00	01.96

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
LESCO INC.		CLEVELAND	OH		
	34453	18-02-09	CSRN	04.85	04.60
	34296	18-24-12	SO4	02.15	03.40
			CSRN	08.10	09.86
	32478	24-05-11	Fe	02.00	02.33
			Mn	01.00	00.96
			CSRN	08.70	07.96
	34295	24-05-11	Fe	02.00	02.75
			Mn	01.00	01.51
	34297	32-05-07	CSRN	14.40	17.53
LIVINGSTON COUNTY FARM STORE		SMITHLAND	KY		
	34268	5-14-38	B	00.60	00.61
MARTIN MARIETTA		MANISTEE	MI		
	34688	00-00-00	Mg	58.00	67.13
MARTIN RESOURCES		KILGORE	TX		
	34257	00-00-00	S	90.00	92.17
	34504	00-00-00	S	90.00	93.02
	35416	00-00-00	S	90.00	92.50
MAYSLICK MILL		MAYSLICK	KY		
	34132	0-0-50	B	00.75	00.63*
	34117	0-0-53	B	00.53	00.45
	34764	20-20-23	Ca	00.02	00.11
	34239	3-8-46	B	00.54	00.51
MILES FARM CENTER (CYN)		CYNTHIANA	KY		
	34711	32-0-0	Zn	01.85	01.59*
MILES FARM CENTER (SHEL)		SHELBYVILLE	KY		
	35393	10-24-18	Fe	02.00	02.84
	35126	14-0-9	B	00.03	00.04
			Cu	00.01	00.02
			Zn	00.24	00.20*
	33186	21-00-00	SO4	24.00	24.35
	34346	30-03-08	Fe	02.00	02.55
			CSRN	09.00	09.57
MILES FARM SUPPLY (OWEN)		OWENSBORO	KY		
	32733	00-00-22	Mg	11.00	11.03
			SO4	22.00	22.41

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2002 - 2003
 TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
MILES FARM SUPPLY (OWEN)		OWENSBORO	KY		
	32543	10-25-22	Zn	00.64	00.64
	33729	21-00-00	SO4	24.00	23.97
	32975	42-00-00	CSRN	40.00	40.58
	32544	8-21-28	Zn	00.49	00.47
	32545	8-21-28	Zn	00.49	00.37*
	32546	8-22-28	Zn	00.42	00.33*
	32547	8-22-28	Zn	00.41	00.30*
MILES FARM SUPPLY (UPT)		UPTON	KY		
	35186	21-10-16	Mg	01.18	01.49
	33313	6-15-35	B	00.54	00.52
	33314	7-19-33	B	00.28	00.28
	35184	8-16-25	Mg	01.83	02.46
MILORGANITE DIV. MMSD		MILWAUKEE	WI		
	32749	06-02-00	WIN	05.25	04.89
			Ca	01.20	01.94
			Fe	04.00	05.34
	35119	06-02-00	Ca	01.20	01.57
			Fe	04.00	05.36
OLDFIELD, J.A. & SON		MIZE	KY		
	35105	11-0-16	Mg	01.64	05.95
PURSELL INDUSTRIES		SYLACAUGA	AL		
	33843	10-10-10	CSRN	01.70	02.82
	33395	12-04-08	B	00.02	00.04
			Cu	00.05	00.07
			Fe	01.00	02.58
			Mn	00.05	00.21
			Mo	00.0005	00.0007
			Zn	00.05	00.22
			CSRN	06.00	06.67
	33077	24-03-10	Fe	02.00	01.20*
			CSRN	04.80	04.58
	33396	24-03-10	Fe	02.00	03.92
			CSRN	04.80	06.58
	33643	29-02-05	Fe	01.00	00.35*
			CSRN	07.20	12.21
	34012	29-02-05	Fe	01.00	01.30
	33075	29-03-04	CSRN	06.50	08.10
ROYSTER CLARK (ADA)		ADAIRVILLE	KY		
	34391	18-17-11	Fe	00.07	00.42
			Zn	00.14	00.17

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
ROYSTER CLARK (ADA)		ADAIRVILLE	KY		
	34390	19-10-10	B	00.10	00.15
			Zn	00.30	00.37
	34740	2-33-10	B	00.10	00.17
			Zn	00.30	00.51
	34741	21-8-8	B	00.09	00.14
			Zn	00.27	00.34
	34651	22-9-9	B	00.05	00.09
			Zn	00.16	00.26
	34652	22-9-9	B	00.05	00.10
			Zn	00.16	00.31
	34392	30-11-8	B	00.03	00.06
			Zn	00.10	00.16
	34389	8-25-19	B	00.10	00.15
			Zn	00.30	00.47
	34433	8-25-20	B	00.10	00.16
			Zn	00.30	00.43
ROYSTER CLARK (COLL)		COLLINSVILLE	IL		
	33466	00-00-22	Mg	11.00	11.31
			SO4	22.00	22.42
	33463	05-20-20	Ca	02.00	02.50
			Mg	02.00	02.18
			B	00.20	00.32
			Fe	00.30	00.49
			Zn	00.60	00.63
	33456	18-08-00	SO4	16.00	19.84
ROYSTER CLARK (FLO)		FLORENCE	AL		
	34738	06-12-18	Mg	01.00	02.30
			SO4	09.00	12.21
	34275	13-13-13	Mg	01.00	01.42
			SO4	09.00	11.31
			B	00.05	00.07
			Mn	00.20	00.25
			Zn	00.20	00.41
ROYSTER CLARK (FRAN)		FRANKLIN	KY		
	34175	19-7-7	SO4	01.32	01.83
	34173	27-13-8	SO4	02.37	03.88
	34174	27-13-8	SO4	02.37	03.37
ROYSTER CLARK (TARB)		TARBORO	NC		
	33873	00-00-00	B	10.00	10.29
	34113	00-00-00	B	10.00	09.22
ROYSTER CLARK (UTICA)		UTICA	KY		
	35389	22-08-08	Zn	00.24	00.26

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2002 - 2003
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
ROYSTER CLARK (UTICA)		UTICA			
	35388	22-08-09	Zn	00.29	00.48
	35399	22-7-8	Zn	00.29	00.27
RUSSELLVILLE CROP SERVICE		RUSSELLVILLE			
	33720	23-15-3	Mg	01.83	01.97
			SO4	03.67	04.05
	33715	6-24-25	Zn	01.78	01.69
SCHOCHOH CROP		RUSSELLVILLE			
	34388	8-20-26	Mg	00.65	00.66
			B	00.10	00.11
			Cu	00.10	00.10
			Zn	01.96	01.69*
SCHULTZ CO.		BRIDGETON			
	33394	29-03-03	SO4	05.00	05.35
			Fe	01.00	00.79*
SCOTTS MIRACLE-GRO PRODUCTS, I		MARYSVILLE			
	34008	18-24-16	Cu	00.05	00.07
			Fe	00.10	00.23
			Mn	00.05	00.04
			Zn	00.05	00.06
	33072	28-03-03	WIN	00.80	00.36*
			SO4	11.00	11.90
	34011	29-03-04	CSRN	07.25	09.96
	33073	30-03-04	CSRN	07.50	11.07
	34803	31-03-09	Fe	02.00	02.88
			CSRN	10.00	12.36
SPEED AG SERVICE		HICKMAN			
	32685	5-14-19	B	00.15	00.19
			Zn	00.18	00.18
SS (BOWL) BOWLING GREEN COOP		BOWLING GREEN			
	33500	8-22-29	Zn	00.88	00.82
SS (EMIN) INC KNTCKANA SVC-HEN		EMINENCE			
	34033	06-15-38	B	00.67	00.65
	34029	10-25-24	B	00.43	00.47
	34035	11-8-37	B	00.35	00.35
	34032	20-0-26	B	00.50	00.67
	34524	3-8-38	B	00.36	00.31

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SS (EMIN) INC KNTCKANA SVC-HEN		EMINENCE	KY		
	34031	7-20-25	B	00.33	00.33
SS (FLEM) FLEMINGSBURG		FLEMINGSBURG	KY		
	34143	5-12-33	B	00.22	00.19*
SS (GEOR) GEORGETOWN COOP		GEORGETOWN	KY		
	34758	31-00-16	Mg SO4	00.46 00.92	00.53 04.57
SS (GREE) GREENVILLE KY SVC		GREENVILLE	KY		
	35235	5-15-34	B	00.59	00.57
	35236	5-15-34	B	00.59	00.60
SS (HARR) CNTRL KY SVC		HARRODSBURG	KY		
	33702	0-0-59	B	00.14	00.11*
SS (HODG) HARDIN COOP HODG BR		HODGENVILLE	KY		
	33640	0-17-35	B	00.43	00.50
SS (HORS) HORSE CAVE COOP		HORSE CAVE	KY		
	33215	19-19-19	B	00.20	00.23
SS (LEBA) LEBANON SVC		LEBANON	KY		
	33942	5-14-37	B	00.79	00.61*
	33943	5-14-38	B	00.71	00.73
SS (LEXI) LEXINGTON COOP		LEXINGTON	KY		
	35358	23-0-13	Mg	00.86	01.08
SS (MAYS) MAYSVILLE COOP		MAYSVILLE	KY		
	33850	0-0-52	B	01.76	01.91
SS (OWEN) COOP OWENSBORO		OWENSBORO	KY		
	32561	6-15-32	Mg Zn	04.40 01.32	04.50 01.53
SS (OWEN) OWENTON COOP, INC		OWENTON	KY		
	35160	14-16-26	B	00.39	00.38
	34748	4-12-31	B	00.47	00.45

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2002 - 2003
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SS (OWIN) OWINGSVILLE SVC		OWINGSVILLE	KY		
	35087	12-9-14	Mg	00.27	03.95
SS (RICH) COOP INC FERT DIV		RICHMOND	VA		
	32823	00-00-22	Mg	11.00	11.05
			SO4	22.00	22.54
	34108	00-00-22	Mg	11.00	11.28
	34667	05-10-15	Mg	01.00	01.04
			SO4	04.00	04.35
	35370	05-10-15	Mg	01.00	05.55
			B	00.02	00.03
			Cu	00.05	00.07
			Fe	00.10	00.57
			Mn	00.05	00.09
			Zn	00.05	00.13
	35371	05-10-15	Mg	01.00	05.35
			B	00.02	00.03
			Cu	00.05	00.08
			Fe	00.10	00.53
			Mn	00.15	00.13
			Zn	00.05	00.20
SS (RICH) RICHMOND SVC		RICHMOND	KY		
	33695	6-17-34	B	00.55	00.66
SS (SHEL) SHELBYVILLE COOP		SHELBYVILLE	KY		
	34508	2-7-7	B	00.13	00.11
	34024	7-20-31	Zn	01.37	01.46
	34025	7-20-31	Zn	01.37	01.25
SS (WARS) GALLATIN SVC		WARSAW	KY		
	34543	5-10-37	B	00.36	00.35
SS (WINC) CLARK COOP		WINCHESTER	KY		
	34818	43-0-0	B	00.21	00.18
			Cu	00.52	00.53
			Fe	01.03	01.98
			Mn	00.52	00.89
			Zn	00.52	00.95
SS (WINC) COOP, INC.		WINCHESTER	KY		
	32492	00-00-21	Mg	11.00	11.84
			SO4	22.00	22.67
	34279	00-10-30	B	00.45	00.44

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %		
SS (WINC) COOP, INC.		WINCHESTER	KY				
	34697	00-10-30	B	00.45	00.45		
	35369	21-00-00	SO4	24.00	23.76		
SWISS FARMS PRODUCTS, INC.		LAS VEGAS	NV				
	33389	18-18-21	Mg	00.05	01.31		
			Cu	00.10	00.10		
			Fe	00.05	00.20		
			Mn	00.05	00.05		
Zn			00.05	00.08			
THE ANDERSONS LAWN FERT DIV		MAUMEE	OH				
	32747	16-25-12	CSRN	11.00	08.78*		
THE SCOTTS CO.		MARYSVILLE	OH				
	33842	10-10-10	CSRN	05.30	08.28		
	34010	10-12-10	CSRN	04.60	04.96		
	33839	20-27-05	WIN	00.60	00.44		
	34284	22-03-14	WIN	00.60	00.36		
			SO4	10.00	12.01		
	34285	22-04-11	SO4	12.00	13.11		
	33644	27-03-04	SO4	08.00	08.45		
			Fe	02.00	02.17		
			Mn	01.00	01.31		
			33076	28-03-08	WIN	00.90	00.38*
					SO4	07.00	07.47
	33393	32-03-10	Fe	01.00	01.63		
			Mn	00.50	00.84		
CSRN			12.80	14.48			
TIGER-SUL PRODUCTS, LLC		ATMORE	AL				
	33079	00-00-00	S	90.00	92.60		
	34450	00-00-00	S	90.00	92.70		
	34661	00-00-00	S	90.00	92.72		
	34796	00-00-00	S	90.00	92.79		
TRACE CHEM INC.		PEKIN	IL				
	35278	00-00-00	Mo	02.5000	02.3300		
TRIMBLE CO FARM		MILTON	KY				
	34527	23-18-14	Zn	00.46	00.40*		
U.S. BORAX INC.		VALENCIA	CA				
	32726	00-00-00	B	15.00	14.78		

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2002 - 2003
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
U.S. BORAX INC.		VALENCIA	CA		
	33080	00-00-00	B	15.00	15.37
	33150	00-00-00	B	15.00	15.18
	33278	00-00-00	B	15.00	15.31
	33796	00-00-00	B	15.00	15.13
	33912	00-00-00	B	14.30	15.10
	33987	00-00-00	B	14.30	15.24
	34106	00-00-00	B	15.00	15.37
	34153	00-00-00	B	15.00	15.18
	34256	00-00-00	B	15.00	15.25
	34660	00-00-00	B	15.00	15.18
	34687	00-00-00	B	15.00	15.32
	34884	00-00-00	B	14.30	15.02
	35330	00-00-00	B	15.00	15.16
	35410	00-00-00	B	15.00	14.58
UNITED INDUSTRIES		ST. LOUIS	MO		
	33840	28-03-08	Fe	01.00	01.39
			CSRN	06.00	06.44
	34301	30-03-03	Mo	00.0005	00.0004
			Zn	00.05	00.09
	33398	30-03-04	CSRN	06.00	06.49
WARNER FERT CO. (LIBE)		LIBERTY	KY		
	35250	0-18-18	B	00.81	00.71
	34790	15-17-23	Zn	01.38	01.46
WARNER FERT CO. (SOM)		SOMERSET	KY		
	32846	00-00-00	Ca	30.00	35.97
WOODFORD FEED CO.		VERSAILLES	KY		
	34622	35-0-11	Zn	00.75	00.80
	34623	35-0-11	Zn	00.75	01.13
WOODSTREAM CORP		LITITZ	PA		
	34848	10-02-06	WIN	07.60	05.78*

TABLE 3 COMPANIES REGISTERED TO SELL FERTILIZERS IN KENTUCKY July 1, 2002 JUNE 30, 2003

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 HARDINBURG, 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 ITO
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 CANEYVILLE, KY 42721
BUNTON SEED CO. 939 E. JEFFERSON ST. LOUISVILLE, KY 40206	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	CARGILL 8813 HWY 41S RIVERVIEW, FL 33569	CAROLINA SOIL CO. P.O. BOX 1140 KINSTON, NC 28503

TABLE 3 (Continued)

CASH VARIETY STORE 6205 HOLY CROSS RD. LORETTA, 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 178 RIDGE ROAD DAYTON, NJ 08810	CLEMENTS AG SUPP. P.O. BOX 347 SPRINGFIELD, KY 40069	COFFEYVILLE RESOURCES NITROGEN FERT 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 FITTSSTOWN, 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	EIGHTY EIGHT FERTILIZER COMPANY, IN 242 NOBOB ROAD HWY. 839 GLASGOW, KY 42141	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 COLLIERVILLE, 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
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 FERNVALE 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 LAKELAND, 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 SCOTTSLOWN 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
LIVINGSTON COUNTY FARM STORE 708 MCGREW ROAD SMITHLAND, KY 42081	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 SCOTTSDALE 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 LAKE ROAD MANISTEE, MI 49660	MARTIN MARIETTA 1800 E. 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

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 1DN	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 HORTICULTURE, 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) 902 DEMPSEY ROAD MADISON, WI 53714
ROYSTER CLARK (WISC) P.O. BOX 7667 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	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	SOUTHWEST LANDMARK P.O. BOX 189 XENIA, OH 45385

TABLE 3 (Continued)

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 307 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	BR SS (CARL) OWINGS SVC-CARLISLE BR 102 DORSEY AVE. CARLISLE, KY 40311	SS (CLAY) 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 BRANCH 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 760 ELM ST. EMINENCE, KY 40019-9801
SS (FLEM) FLEMINGSBURG 658 WEST WATER FLEMINGSBURG, KY 41041	SS (FRAN) ANDRSN FRNKLN-FRNKFRS SVC 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 (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	SS (MORG) MORGANFIELD COOP 304 N. TOWNSEND ST. MORGANFIELD, KY 42437	SS (MURR) CALLOWAY SVC P.O. BOX 750 MURRAY, KY 42071

TABLE 3 (Continued)

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 LOGANSPOUT, 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	THE SCOTTS CO. 14111 SCOTTS LAWN RD. MARYSVILLE, OH 43041	THE WONDER COMPANY 665 VERNON AVENUE NASHVILLE, TN 37209

TABLE 3 (Continued)

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 BRENNMAN 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	WARNER FERT CO. (RUSS) P.O. BOX 80 RUSSELL SPRINGS, KY 42642	WARNER FERT CO. (SOM) P.O. BOX 796 SOMERSET, KY 42502

TABLE 3 (Continued)

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

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

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

WAUPACA MATERIALS
832 ROTH STREET
SIKESTON, MO 63801

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

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

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

WINSTON COMPANY
7704 E 38TH STREET
TULSA, OK 74145

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

WOLF TRAX
501-5 DONALD STREET
WINNIPEG, CN R3G2X2

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

WOODSTREAM CORP
69 NORTH LOCUS ST
LITITZ, PA 17543

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

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

REGULATORY BULLETIN No. 291

ANNUAL REPORT ANALYSES OF OFFICIAL FERTILIZER SAMPLES

JULY 2003 – JUNE 2004



UNIVERSITY OF KENTUCKY
COLLEGE OF AGRICULTURE

**AGRICULTURAL EXPERIMENT STATION
DIVISION OF REGULATORY SERVICES**

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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, 2003 by the field inspection staff. The samples represented approximately 58,140 tons of fertilizer out of the approximately 855,127 tons sold during this period. The Laboratory made 2,621 nitrogen, 2,345 phosphorus, 2,406 potassium and 806 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, 2003.

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% P_2O_5 and 11.2% K_2O . The grade would be printed 0-11-11. However, the investigational allowances are applied on the basis of the 11.9% and 11.2% guarantees. If this custom mixed fertilizer analyzed 10.9% P_2O_5 and 10.9% K_2O , only the 10.9% P_2O_5 would be marked (*) because it is below the 11.9% guarantee by more than the investigational allowance.

TYPE: The codes for type are:

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

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

MAT - A fertilizer material such as muriate of potash.

CM - A custom-mixed blended fertilizer.

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

Statistical Analyses --

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

Tables 2 and 3 - Self Explanatory

INVESTIGATIONAL ALLOWANCES

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

Primary Nutrients

Guaranteed %	Total Nitrogen (N) %	Available Phosphate (P 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
-----------------------	-------------

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
2002 AND 2003**

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	2002	2003
	Dollars/Unit (20 lbs.)	
Total Nitrogen (N)	\$ 4.34	\$ 4.20
Avail. Phosphate (P ₂ O ₅)	\$ 4.54	\$ 4.56
Soluble Potash (K ₂ O)		
Tobacco (Low CL)	\$ 5.65	\$ 5.64
Non-Tobacco	\$ 2.72	\$ 2.70
Calcium (Ca)	\$ 4.50	\$ 4.86
Magnesium	\$16.43	\$14.37
Sulfur (S)	\$ 5.64	\$ 4.71
Boron (B)	\$63.87	\$66.95
Copper (Cu)	\$63.18	\$28.57
Iron (Fe)	\$12.38	\$9.19
Manganese (Mn)	\$15.40	\$30.55
Zinc (Zn)	\$24.12	\$20.46

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.