

Regulatory Bulletin 224

**ANNUAL REPORT
ANALYSES OF OFFICIAL
FERTILIZER SAMPLES**

JULY 1976 - JUNE 1977



University of Kentucky
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Lexington

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INTRODUCTION

This bulletin presents the results of analyses of 2,703 official samples of commercial fertilizer taken during the period July 1, 1976 through June 30, 1977 by the field inspection staff. These samples represented approximately 35,000 tons of fertilizer out of the approximately 1,100,000 tons sold during this period. The regulatory laboratory made 2,477 nitrogen, 2,541 phosphorus, 2,518 potassium, and about 860 chloride, secondary, and minor element analyses on these samples. The results of N, P_2O_5 , and K_2O analyses of samples of mixed fertilizers and fertilizer materials are in Table 1. An indication of the variation of the N, P_2O_5 , and K_2O found among the samples from a specific grade of a specific manufacturer is in Table 2. Table 3 contains the results of secondary and minor element analyses and Table 4 is a listing of fertilizer registrants for Kentucky as of June 30, 1977.

EXPLANATION OF TABLES

TABLE 1.

Every official sample taken during the year of a fertilizer with a guarantee for N, P_2O_5 , or K_2O is listed in this table. A comparison of the "GRADE" with the laboratory analysis for nitrogen (N), available phosphoric acid (APA), and potash (POT) will show how closely the manufacturer met his chemical guarantee. An additional way of comparing guaranteed with the found analysis is with the relative value shown in the column headed RV. The following example illustrates how this relative value is calculated:

A 5-10-15 fertilizer is guaranteed to contain 5% N, 10% P_2O_5 , and 15% K_2O . A "Guaranteed Value" and a "Found Value" are computed for this fertilizer by assigning arbitrary values to the individual nutrients as follows: 4 for N, 3 for P_2O_5 , and 2 for K_2O . Thus, the "Guaranteed Value" of the 5-10-15 is calculated as follows:

<u>Element</u>	<u>Guaranteed, %</u>		<u>Factor</u>		<u>Value</u>
N	5.0	X	4	=	20.0
P_2O_5	10.0	X	3	=	30.0
K_2O	15.0	X	2	=	30.0
Total "Guaranteed Value"				=*	80.0

The same procedure is followed for the "Found Value", thus:

<u>Element</u>	<u>Found, %</u>		<u>Factor</u>		<u>Value</u>
N	5.1	X	4	=	20.4
P ₂ O ₅	10.2	X	3	=	30.6
K ₂ O	15.1	X	2	=	30.2
Total "Found Value"				=	81.2

The relative value (RV) is then computed by dividing the "Found Value" by the "Guaranteed Value" and multiplying by 100:

$$RV = (81.2/80.0) \times 100 = 101.5\%$$

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 Inspection and Analytical Tolerance section (page 8). Occasionally an analysis may be found that appears to be inconsistent in its marking. For example, two samples that are guaranteed 10% P₂O₅ (APA) may both be shown as containing 9.3%. One of these may have an asterisk (*) and the other not. There are two situations which may cause this apparent difference:

(1) The tolerances are calculated by computer and applied to the laboratory analyses before the data are rounded to the nearest tenth of a percent and printed. In the above example, the laboratory found 9.27% for one sample and 9.33% 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. For example, a custom-mixed lot of fertilizer may be guaranteed 11.9% P₂O₅ and 11.2% K₂O. The grade would be printed 0-11-11. However, the tolerances are calculated on the 11.9% and 11.2% guarantees. If this custom mixed fertilizer analyzed 11.0% P₂O₅ and 10.9% K₂O, only the 11.0% P₂O₅ would be marked (*) because it is below the 11.9% guarantee by more than the tolerance.

The column headed "NUM" lists the laboratory number of the particular sample. In the column headed "XS CL", an asterisk (*) indicates that the chlorine content of the sample exceeded the maximum chlorine guarantee of the field crop tobacco fertilizer.

TABLE 2.

The data in this table show the average analysis (AA) and coefficient of variation (CV) for certain grades and the average percentage of guarantee (% of GUAR.) and appropriate CV for all grades sampled for certain companies. An entry

was made in this table for a company when one grade was sampled 5 or more times or 10 or more total samples were obtained.

The coefficient of variation is proposed as a useful means for describing variation among samples. The method for doing this will be found in textbooks on statistics and will be illustrated for 10 analyses of a material guaranteed to contain 5% nitrogen:

The formula for computing the coefficient of variation (CV) is:

$$CV = (S/M) \times 100$$

where S = standard deviation

M = average found analysis

The formula for computing S is:

$$S = \sqrt{\frac{\sum X^2 - (\sum X)^2/n}{n - 1}}$$

where X = an individual found analytical result

n = number of analyses

Σ means "Sum of"

Now in our example n = 10 and let's assume that the 10 X's are 5.6, 5.5, 5.4, 5.7, 5.5, 5.8, 5.0, 6.0, 5.5, and 5.3.

$$\sum X^2 = 5.6^2 + 5.5^2 + \dots + 5.3^2 = 306.49$$

$$(\sum X)^2 = (55.3)^2 = 3058.09$$

$$S = \sqrt{(306.49 - 3058.09/10)/9} = 0.275$$

The average found analysis, M, is computed as follows:

$$M = (5.6 + 5.5 + \dots + 5.3)/10 = 5.53$$

Using S and M, the CV can now be computed:

$$CV = (0.275/5.53) \times 100 = 5\%$$

If, in this example, there had been less variation or "scatter", the resulting percentage (CV) would have been smaller. If there had been more variation, it would have been larger. The CV varies directly with the range in values of analyses and inversely with the average analysis.

No matter how much care is exerted in a fertilizer plant, an occasional "wild" batch may appear and subsequently be sampled. Such batches are caused by unusual circumstances such as putting the wrong fertilizer in bags labeled for another grade or large errors in mixing or manipulation in the factory that cannot be said to represent usual procedure. Computations that include such samples would only throw the coefficient of variation as well as the average analysis completely out of line. They are judged to be so abnormal that they have not been included in these statistical determinations. There were 35 samples reported in Table 1 that were

excluded from the CV computations reported in Table 2. As a basis for excluding these samples, the following rules were generally followed.

1. Throw out any samples more than 120% or less than 80% in relative value except:
 - a. Those within $\pm 20\%$ of the average sample value, or
 - b. When the variation of all the sample values is such that the questionable sample appears to fit a normal distribution pattern.
2. Throw out any sample whose ratio of ingredients differs strongly from the balance of samples of that grade. These may include samples:
 - a. Whose ratio strongly suggests an entirely different grade of fertilizer, or
 - b. Where two or more of its ingredients are higher or lower by 20% or more of the extreme values of the remaining normal samples.

TABLE 3 and 4. (Self Explanatory)

INSPECTION AND ANALYTICAL TOLERANCE

A tolerance is allowed for variations that may occur in sampling and chemical analyses. It does not, nor is it intended to allow for variation in the manufacturing process. The manufacturer should compensate for variability in manufacturing techniques and materials when calculating the formula for a given analysis.

The following formula was used to identify those samples of mixed fertilizers which were considered to be deficient in N, P_2O_5 , and K_2O .

IF "FOUND" \leq "GUARANTEE" - "TOLERANCE" THEN "FOUND IS DEFICIENT"

where: "TOLERANCE" = "GUARANTEE" X 0.03 + 0.4

In words this is: If the "FOUND" analysis is less than or equal to the "GUARANTEED" analysis minus the "TOLERANCE" then the "FOUND" analysis is deemed deficient. The "TOLERANCE" was equal to 3% of the "GUARANTEE" plus 0.4. For example, the tolerance on a 12% guarantee is $12 \times 0.03 + 0.4 = 0.76$. Any found value of 11.24% or less was declared deficient ($12 - 0.76 = 11.24\%$). The relative value (RV) was considered deficient when it was more than 2.5% below 100%. Specifically, if the RV was less than 97.5% it was considered deficient.

Fertilizers sold for use on field crop tobacco must carry a maximum chlorine guarantee which can be no more than 1.5%. Samples were considered excessive in chlorine (XS CL) if they analyzed more than 0.5 above the maximum guaranteed percentage.

A product was considered deficient in calcium (Ca), magnesium (Mg), sulfur (S), boron (B), and iron (Fe) if the sample analyzed less than or equal to 0.9 X "GUARANTEE"; and, deficient in copper (Cu), manganese (Mn), molybdenum (Mo), and zinc (Zn) if the sample analyzed less than or equal to 0.8 X "GUARANTEE". The product was considered excessive, "E", if the sample analyzed as much or more than 2 X "GUARANTEE" for all these elements.

In some samples a deficiency in one nutrient was accompanied by an overrun in another. This may be evidence of segregation, incomplete mixing, or incorrect weighing by the manufacturer. Extreme variations of this kind, however, cannot be wholly attributed to segregation which occurs after the product is mixed although this may be a factor. Excess of one nutrient will not be allowed to compensate for a deficiency of another. The purchaser is entitled to receive the full guarantee for all nutrients as expressed by the manufacturer's guaranteed analysis.

TABLE 1. RESULTS OF NITROGEN (N), AVAILABLE PHOSPHORIC ACID (APA), SOLUBLE POTASH (POT), AND EXCESS CHLORIDE (XS CL) ANALYSES OF OFFICIAL FERTILIZER SAMPLES. Deficiencies in N, APA, POT, and RV and excessive chloride are noted with an asterisk (*).

ADAIR FARMERS SERVICE, INC.		COLUMBIA		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
17-17-17	42931	18.6	20.7	15.0*			104
AG/GRO FERTILIZER CO.		WINCHESTER		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
4-16-4	41341	4.1	17.0	4.0			105
5-10-15	41069	5.3	9.8	16.3			104
5-10-15	41774	4.7	8.9*	15.6			96*
5-10-15	41776	4.8	9.1*	15.0			96*
5-10-15	42021	5.2	10.3	15.2			103
5-10-15	42793	4.2*	8.2*	15.2			90*
5-10-15	42969	5.1	11.4	15.0			105
5-10-15	42970	5.1	10.3	16.0			104
5-10-15	42971	5.0	10.2	16.5			104
5-10-15	43094	4.8	9.6	16.3			101
5-10-15	43124	4.7	9.2*	15.7			97*
5-20-20	41068	5.5	19.6	17.5*			96*
5-20-20	41557	4.5	18.1*	20.2			94*
5-20-20	41773	4.8	19.5	20.3			99
5-20-20	41775	4.7	18.6*	21.3			98
5-20-20	41873	5.0	19.9	21.0			101
5-12-12	41555	5.7	10.9*	12.3			96*
6-12-12	41878	6.4	12.5	10.8*			101
6-12-12	42134	5.8	11.5	12.4			98
8-10-15	42022	8.6	11.1	16.1			108
10-10-10	41556	10.4	9.2*	9.8			99
10-10-10	42794	9.0*	6.6*	8.8*			82*
AG SERVICES OF CLAY		CLAY		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
9-9-18	42844	9.6	8.7	17.9			101
10-4-12	42303	10.5	4.2	11.8			101
18-3-3	42845	17.3	3.6	3.5			97*
18-6-9	42299	18.1	5.7	10.1			100
23-1-3	42842	20.3*	2.9	7.7			98
AGRI-CHEM, INC.		HOPKINSVILLE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
10-26-25	41725	10.2	25.4*	27.8			100
10-26-25	41726	10.1	26.4	26.5			101
10-26-25	42673	10.3	26.1	26.2			100
10-26-26	40691	10.2	26.2	27.5			101
10-26-26	40692	10.5	27.5	26.2			102
10-28-23	40693	10.7	27.8	25.3			101
11-17-17	40694	11.7	16.3*	16.2*			97*
13-15-21	43148	13.8	15.3	23.0			101
16-18-23	41395	15.7	18.5	26.9			102
21-13-20	41394	21.7	13.6	21.5			100
AGRICO CHEMICAL CO.		TULSA		OK		XS CL	RV
GRADE	NUM	N	APA	POT			
0-0-60	40638	0.0	0.0	60.8			101
0-0-60	40649	0.0	0.0	59.1			98
0-0-61	40497	0.0	0.0	61.0			100
0-0-61	40832	0.0	0.0	60.9			100
0-44-0	40495	0.0	46.0	0.0			105
0-46-0	40597	0.0	46.9	0.0			102
0-46-0	40597	0.0	46.9	0.0			102
0-46-0	40640	0.0	46.0	0.0			100

TABLE 1. (Continued)

AGRICO CHEMICAL CO.		TULSA		OK		XS CL	RV
GRADE	NUM	N	APA	POT			
0-46-0	40650	0.0	47.0	0.0			102
0-46-0	40831	0.0	46.6	0.0			101
18-46-0	40596	17.7	46.8	0.0			101
18-46-0	40639	17.3	47.5	0.0			101
18-46-0	40651	17.3	47.4	0.0			101
18-46-0	40830	17.9	46.4	0.0			100
18-46-0	41322	17.9	46.4	0.0			100
18-46-0	41323	17.8	46.9	0.0			101
18-46-0	41324	17.8	47.4	0.0			102
18-46-0	41325	18.0	46.0	0.0			100
28-0-0	40416	28.3	0.0	0.0			101
28-0-0	41974	28.5	0.0	0.0			102
28-0-0	42182	28.0	0.0	0.0			100
28-0-0	42986	27.9	0.0	0.0			100
28-0-0	43002	28.2	0.0	0.0			101
28-0-0	43210	28.6	0.0	0.0			102
28-0-0	43211	29.0	0.0	0.0			104
46-0-0	40637	45.3	0.0	0.0			98
46-0-0	40652	45.3	0.0	0.0			98
46-0-0	40829	45.7	0.0	0.0			99
AGRICO CHEMICAL CO		BOWLING GREEN KY					
GRADE	NUM	N	APA	POT	XS CL		RV
0-20-20	41468	0.0	18.4*	21.2			98
4-19-9	41469	6.0	21.8	10.1			115
4-19-19	41939	4.0*	18.7	16.3*			89*
10-10-10	41938	4.5*	18.4	20.4			126
AGRICO CHEMICAL CO		CECILIA KY					
GRADE	NUM	N	APA	POT	XS CL		RV
0-26-26	43027	0.0	28.6	23.1*			102
5-10-15	41082	5.4	10.8	14.8			104
5-10-15	41087	4.4*	8.9*	14.8			92*
5-10-15	41194	5.4	10.7	15.0			104
5-10-15	41332	5.1	10.2	15.6			103
5-10-15	41590	4.2*	10.1	15.3			97*
5-10-15	41691	4.5	9.1*	14.8			94*
5-10-15	41977	4.9	10.3	15.1			101
5-20-20	41085	4.4*	18.1*	20.3			94*
5-20-20	41330	6.4	20.3	20.2			106
5-20-20	41612	6.2	21.4	18.9*			105
5-20-20	41690	5.2	20.8	20.8			104
5-20-20	41976	5.8	19.4	20.3			102
5-20-20	43021	5.7	21.5	19.8			106
5-20-20	43163	7.1	21.3	19.0*			108
6-24-24	41611	7.1	26.6	21.5*			105
7-26-26	40641	6.1*	22.3*	32.4			96*
10-10-10	41088	9.8	9.1*	9.9			96*
10-10-10	41108	12.8	10.5	8.4*			111
10-10-10	41195	9.3*	9.7	9.9			96*
10-10-10	41331	11.9	13.3	10.2			120
10-10-10	41552	10.8	11.0	7.6*			101
10-10-10	41589	10.3	11.0	8.7*			102
10-10-10	41689	7.8*	9.4	10.4			89*
10-10-10	41975	9.5	10.1	10.1			98
10-10-10	42417	8.6*	10.0	10.2			94*
10-10-10	43164	8.8*	9.7	10.2			94*
10-25-26	42879	10.5	28.8	24.2*			103
15-15-15	41086	18.7	18.6	13.7*			117

TABLE 1. (Continued)

AGRICO CHEMICAL CO		CECILIA			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
15-15-15	41329	20.1	17.8	11.6*			116
15-15-15	41588	15.0	16.0	14.8			102
19-19-19	42878	17.0*	17.3*	21.2			92*
20-13-18	42519	19.0*	17.9	18.6			104
23- 9-18	42876	21.8*	8.6*	21.3			98
24-10-15	42877	23.5*	12.2	17.3			101
26-14-14	42880	23.9*	16.1	17.2			100
AGRICO CHEMICAL CO		CLARKSON			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
10-27-24	40656	9.7*	24.9*	28.8			98
12-24-24	41917	11.9	25.3	23.9			102
16-23-20	41912	14.3*	25.4	22.5			101
19-19-19	41897	19.7	21.9	13.3*			100
19-19-19	41913	19.8	17.4*	19.8			100
19-19-19	41914	22.5	20.3	15.2*			103
AGRICO CHEMICAL CO		CLAY			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-18-36	42843	0.0	17.0*	38.6			102
0-23-30	40710	0.0	22.1	33.3			103
0-23-30	42849	0.0	21.3*	33.7			102
6-24-24	40709	5.8	23.9	23.8			99
7-18-36	40711	7.2	19.4	35.8			103
7-18-36	42300	6.5	17.0*	39.2			101
7-18-36	42301	6.6	17.2	38.9			101
10-23-23	40588	10.1	23.2	25.3			102
19-19-19	42302	16.4*	16.5*	24.9			96*
AGRICO CHEMICAL CO		FREDONIA			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-24-24	41642	0.0	26.2	23.5*			102
0-26-26	42560	0.0	26.9	26.1			102
0-26-26	42561	0.0	27.8	24.9			102
6-20-16	40566	11.2	18.4*	15.6*			108
6-26-26	42910	6.2	25.9	25.8			100
9-23-30	43147	8.9	22.7	31.2			101
12-32-17	42901	12.9	32.9	17.9			101
12-33-17	42902	12.3	31.0*	20.2			99
19-19-19	41643	22.2	20.7	13.4*			104
20-14-14	42911	20.5	14.8	14.8			104
AGRICO CHEMICAL CO		HARTFORD			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-23-30	42890	0.0	23.6	30.5			101
6-24-24	42886	5.2*	24.6	25.5			101
6-24-24	42889	5.8	27.4	21.0*			102
22-13-13	42891	21.7*	13.3	17.5			100
24-12-12	42888	21.4*	13.9	16.2			98
AGRICO CHEMICAL CO.		HENDERSON			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-15-40	42256	0.0	16.3	39.7			102
0-15-40	42259	0.0	15.0	41.4			102
0-21-33	42257	0.0	23.7	30.1*			101
0-23-30	40427	0.0	21.7*	29.8			97*
0-23-30	40510	0.0	22.5	31.5			101
4-17-17	40624	4.9	20.5	22.4			122
4-18-18	40623	4.9	19.8	20.1			108
5-24-24	42946	6.0	23.0	23.8			100
6-24-24	41300	6.0	24.7	24.4			102
6-24-24	42536	6.0	23.2	23.7			98

TABLE 1. (Continued)

AGRICO CHEMICAL CO.		HENDERSON			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
6-24-24	42945	5.1*	22.7*	28.8		101
19-11-19	42944	17.6*	12.1	21.3		98
19-13-23	42258	16.3*	12.2*	24.6		91*
AGRICO CHEMICAL CO		HODGENVILLE			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-27-22	41196	0.0	27.7	22.3		101
9-24-24	42191	12.4	26.1	25.0		110
10-10-10	40648	11.9	11.3	13.9		116
19-19-19	42189	18.2	18.2	21.9		100
19-19-19	42190	17.7*	21.1	20.6		100
31-23-0	42188	31.3	24.2	0.0		102
AGRICO CHEMICAL CO		HORSE CAVE			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-21-31	41591	0.0	22.3	31.2		103
6-25-25	41592	7.1	25.6	25.6		103
8-16-29	43018	9.5	19.3	28.4		106
9-23-23	43019	8.9	23.7	24.4		102
12-24-24	41594	12.2	26.4	24.0		102
19-19-19	41593	18.0*	20.8	20.7		101
19-19-19	41595	18.6	19.9	20.9		101
AGRICO CHEMICAL CO		IRVINGTON			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
6-26-26	40895	6.6	27.3	25.6		101
6-26-26	42761	6.5	25.7	27.5		101
8-15-15	40705	9.0	15.6	19.8		110
8-15-15	40707	8.8	16.4	17.8		108
9-10-32	43010	10.8	13.3	30.4*		106
14-14-15	40706	13.6*	14.7	19.8		105
19-19-19	43009	18.9	18.9	20.9		99
19-19-19	43011	18.4*	20.1	20.6		100
20-12-18	43008	20.8	16.3	15.5*		105
AGRICO CHEMICAL CO		MADISONVILLE			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-23-30	42958	0.0	23.4	30.3		101
0-23-30	43086	0.0	23.7	30.3		102
6-17-36	42957	6.4*	17.1	38.0		98
19-19-19	42841	17.3*	23.1	19.4		101
AGRICO CHEMICAL CO		MORGANFIELD			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-0-60	41392	0.0	0.0	59.8		99
0-26-26	42855	0.0	26.0	27.3		101
2-10-18	40721	3.5	10.0	17.7		102
3-5-10	40543	3.0	5.1	9.6		99
3-10-10	42852	5.3	8.9*	7.7*		100
3-10-10	42856	4.1	10.4	10.2		107
3-10-18	40763	3.8	11.1	14.4*		98
3-12-20	40568	4.0	12.3	20.4		104
6-17-21	40741	7.6	17.7	26.1		111
9-9-9	40762	11.1	12.7	15.8		129
AGRICO CHEMICAL CO		OWENSBORO			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-15-40	42162	0.0	15.5	40.6		102
0-23-30	41527	0.0	25.3	27.7*		102
0-23-30	42385	0.0	23.6	30.2		102
0-23-30	43046	0.0	27.0	25.4*		102
4-17-17	40679	4.8	22.0	17.7		115
6-15-40	43045	5.9	15.0	41.4		102

TABLE 1. (Continued)

AGRICOL CHEMICAL CO		OWENSBORO KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
9-23-30	42163	9.1	24.5	29.8			103
9-23-30	42164	8.8	22.8	30.5			100
9-23-30	43047	10.2	21.9*	33.4			105
19-19-19	41526	19.2	21.8	18.3			105
AGRICOL CHEMICAL CO		RUSSELLVILLE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
4-19-19	41610	5.9	18.8	20.0			102
5-10-15	43020	5.3	8.6*	17.3			102
5-20-20	41613	6.2	20.8	20.0			105
16- 0- 0	40450	13.7*	3.7	4.1			116
16- 0- 0	40451	14.9*	0.0	0.0			93*
AGRICOL CHEMICAL CO		STURGIS KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0-15-40	41398	0.0	15.2	41.0			100
0-18-36	40769	0.0	19.5	35.9			102
0-20-34	40768	0.0	21.8	33.6			102
0-22-29	42389	0.0	22.1	30.5			101
0-24-29	40618	0.0	23.9	29.6			100
7-19-34	40589	6.8*	17.7*	37.7			97*
19-19-19	42008	19.4	17.2*	22.5			99
21-17-17	42009	22.2	18.0	18.2			102
31-10-10	40507	28.4*	10.7	14.0			97*
AGRO-MARKETING CO.		DECATUR IL			XS	CL	RV
GRADE	NUM	N	APA	POT			
5-20-20	42529	4.4*	19.3	22.9			101
15-15-15	42521	15.0	15.1	14.8			100
15-15-15	42528	15.0	15.0	14.8			100
15-15-15	42522	14.9	14.7	14.8			99
AIR PRODUCTS & CHEMICALS INC.		PENSACOLA FL			XS	CL	RV
GRADE	NUM	N	APA	POT			
34- 0- 0	40856	33.8	0.0	0.0			99
34- 0- 0	40933	33.6	0.0	0.0			99
34- 0- 0	41094	33.8	0.0	0.0			99
34- 0- 0	41926	34.2	0.0	0.0			101
34- 0- 0	42355	33.5	0.0	0.0			98
ALLEN CO. FARMERS SERVICE		SCOTTSVILLE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
5-23-23	41949	5.8	24.5	24.0			104
23-13-12	42619	22.9	14.1	12.3			100
23-14-18	42620	23.2	15.8	18.1			103
33- 8- 8	41950	33.3	9.4	9.8			101
ALLENSVILLE CROP SERVICE		ALLENSVILLE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
9-10-15	42920	9.9	9.7	18.1			104
AMERICAN CYANAMID CO.		PRINCETON NJ			XS	CL	RV
GRADE	NUM	N	APA	POT			
34- 0- 0	40921	33.6	0.0	0.0			99
34- 0- 0	41060	32.9	0.0	0.0			97
34- 0- 0	41225	33.7	0.0	0.0			99
THE ANDERSONS, SPECIALTIES DIV		MAUMEE OH			XS	CL	RV
GRADE	NUM	N	APA	POT			
6-24-24	41073	6.2	24.3	24.0			101
19-19-19	43203	19.1	16.2*	21.5			98
AREX CORPORATION		BAINBRIDGE GA			XS	CL	RV
GRADE	NUM	N	APA	POT			
3-18-18	42767	3.4	17.5	18.0			100
9-18- 9	40913	9.3	17.3	8.9			99

TABLE 1. (Continued)

AREX CORPORATION		BAINBRIDGE GA			XS	CL	RV
GRADE	NUM	N	APA	POT			
9-18-9	42768	9.4	17.4	8.9			99
ASKEW FARM SERVICE		HOPKINSVILLE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
5-20-20	40755	7.8	21.5	21.4			115
9-24-28	42897	8.9	22.9*	30.0			98
20-13-22	41802	18.9*	13.2	24.5			99
21-17-17	42896	21.7	18.3	18.1			103
AYERS SEED & FERTILIZER		MORGANTOWN KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
10-20-30	43191	11.0	24.4	27.3*			106
BAILEY GRAIN COMPANY, INC.		MAYFIELD KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
4-15-18	42797	5.4	16.3	15.3*			99
10-5-5	40787	9.5	5.3	6.4			102
15-9-11	42326	12.3*	7.9*	11.2			84*
16-11-11	42493	17.3	10.8	11.5			103
BALLARD CO. COOP.		LA CENTER KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0-26-24	42993	0.0	27.3	23.7			102
4-14-13	42803	4.3	14.6	13.6			102
8-22-29	42802	8.4	22.0	29.9			98
9-23-30	42805	9.5	24.6	29.8			104
10-17-13	40673	11.8	18.3	16.4			110
20-15-20	42804	20.1	14.5	22.4			100
BARLOWS FARM CENTER		GLENDALE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0-26-26	42421	0.0	23.0*	31.8			101
0-29-22	42423	0.0	27.6*	25.0			100
22-17-17	42425	21.2	16.8	19.1			98
25-15-15	42426	24.5	14.0*	16.4			98
28-13-12	42424	25.9*	12.9	15.9			97*
BARREN RIVER FERT. CO., INC		GLASGOW KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0-0-60	41203	0.0	0.0	59.6			99
0-0-60	40519	0.0	0.0	60.4			101
0-0-61	40494	0.0	0.0	60.2			99
0-20-19	41454	0.0	20.9	18.5*			100
0-46-0	40522	0.0	46.0	0.0			100
4-16-4	40936	4.1	24.7	3.3*			135
4-16-4	41144	4.2	15.2	4.7			100
4-16-4	41507	4.5	19.1	4.2			116
5-10-15	40870	5.6	9.9	13.0*			97*
5-10-15	40934	5.4	10.1	14.0*			100
5-10-15	41505	5.1	9.8	15.1			100
5-10-15	41932	4.7	10.0	16.3			101
5-10-15	41936	6.0	14.1	10.1*			108
5-10-15	42525	4.9	9.5	15.6			99
5-10-15	43145	7.3	13.3	14.8			123
5-20-19	41453	5.3	18.8*	18.0*			95*
5-20-20	40492	5.4	26.1	15.6*			109
5-20-20	40515	5.3	19.8	21.0			102
5-20-20	41935	5.5	21.0	19.9			104
5-20-20	42999	5.6	21.8	19.8			106
5-20-20	43146	6.1	22.2	19.8			109
6-12-12	40516	6.1	12.4	13.0			104
6-12-12	41145	6.7	13.5	12.0			109
6-12-12	41570	5.9	13.3	10.6*			101

TABLE 1. (Continued)

BARREN RIVER FERT. CO., INC		GLASGOW		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
10- 9- 9	41455	9.7	10.6	9.9			100
10-10-10	40493	10.2	10.9	9.8			103
10-10-10	40514	10.7	11.1	10.5			108
10-10-10	40871	10.0	10.0	10.2			100
10-10-10	40935	10.1	10.1	10.8			103
10-10-10	41202	9.5	11.7	10.1			103
10-10-10	41435	11.0	10.0	9.9			104
10-10-10	41547	7.8*	11.9	12.6			102
10-10-10	41569	10.9	9.9	8.4*			100
10-10-10	42218	10.5	10.0	9.8			102
10-10-10	42439	10.4	11.0	10.0			105
10-10-10	42526	9.6	10.1	10.3			99
10-20-20	40518	11.6	21.3	15.5*			101
12-24-24	40513	12.7	27.7	20.7*			104
12-24-24	41931	12.3	24.9	24.6			103
12-24-24	42242	12.7	24.9	23.9			103
12-24-24	42246	11.9	23.8	24.9			100
12-24-24	42247	11.4	24.3	25.5			101
15-15-14	41456	14.8	14.8	14.7			99
15-15-15	40872	15.6	15.5	15.1			103
15-15-15	41891	16.8	14.2	16.3			105
18-46- 0	40520	17.8	46.6	0.0			101
20-10-10	40517	20.3	11.0	9.8			103
20-10-10	41506	21.3	11.7	10.1			108
21- 0- 0	40523	20.8	0.0	0.0			99
32-22- 0	40521	32.3	22.2	0.0			100
BEAUCHAMPS FARM SERVICE		LEITCHFIELD		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
13-12-16	43003	14.0	14.2	15.2*			103
16-12-19	43006	16.3	12.2	20.3			99
17-17-17	43005	17.9	19.5	17.2			103
23-14-14	43007	22.7	15.3	13.9			100
BIG FOUR FEED & IMPLEMENT CO.		SCOTTSDALE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0- 0-62	41019	0.0	0.0	61.7			100
4- 9- 9	41943	5.5	8.8	19.4			133
19- 7-20	42919	17.8*	6.1*	24.4			97*
19- 7-20	41945	18.6*	5.9*	24.6			99
BIG 4 FERT & CHEM CO.		BARDSTOWN		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-25-27	41692	0.0	25.1	26.9			98
15-13-20	42785	16.1	16.4	19.8			107
15-24- 0	42379	14.1*	26.3	0.0			99
15-24- 0	42755	15.5	25.9	0.0			102
17-15-20	42754	16.0*	15.4	22.1			99
18-10-13	42381	18.7	10.4	13.6			100
19- 8-20	42380	19.8	10.0	19.0*			102
21-13-13	42367	21.5	13.5	14.2			102
23- 0-18	42756	22.6	0.0	20.0			100
27- 9-11	42784	26.0*	11.8	12.2			101
BLUEGRASS PLANT FOODS		DANVILLE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-20-20	41262	0.0	18.6*	17.9*			91*
0-20-20	41758	0.0	19.4	18.5*			95*
4-12- 8	41371	4.0	11.6	8.3			99
4-14- 4	40728	4.2	13.8	4.7			102
4-16- 4	41034	3.8	15.8	4.0			98

TABLE 1. (Continued)

BLUEGRASS PLANT FOODS		DANVILLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
5-10-15	41031	5.0	9.2*	15.6		98
5-10-15	41155	5.3	10.3	14.3		101
5-10-15	41264	6.1	11.2	13.4*		106
5-10-15	41759	4.8	10.9	14.8		102
5-10-15	41818	5.9	10.6	9.4*		93*
5-10-15	42107	5.6	10.6	13.5*		102
5-10-15	42108	6.5	12.6	11.3*		108
6- 6-18	41153	6.3	6.2	18.8		104
6-12-12	41663	6.2	12.1	12.8		103
6-24-24	41263	6.6	18.2*	27.3		94*
8-10-15	41156	9.5	11.8	14.9		112
10-10-10	40773	10.0	10.1	10.9		102
10-10-10	41032	10.8	11.2	10.0		107
10-10-10	41033	10.3	10.7	10.2		104
10-10-10	41152	10.3	10.2	10.4		103
10-10-10	41154	10.3	10.5	10.7		105
10-10-10	41193	10.4	11.1	10.6		107
10-10-10	41369	11.2	11.9	8.7*		109
10-10-10	41370	11.0	11.5	9.8		109
10-10-10	41519	11.2	11.0	9.8		108
10-10-10	41664	9.7	11.4	9.8		103
10-10-10	41757	9.8	10.1	9.8		99
10-10-10	41817	10.5	11.5	9.9		107
10-10-10	42109	10.7	11.7	8.0*		104
10-10-10	42455	9.0*	9.6	10.3		95*
10-10-10	42592	10.2	10.3	9.9		102
15-15-15	42937	16.5	15.4	12.6*		102
18-46- 0	41013	17.2	44.6	0.0		97*
18-46- 0	40726	18.5	45.5	0.0		100
18-46- 0	40926	18.0	46.2	0.0		100
24- 0-15	42591	24.0	0.0	16.8		100
28-28- 0	40727	28.8	28.5	0.0		102
BOURBON FARM SERVICE		PARIS		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
0-19-33	42544	0.0	20.7	33.8		103
4-11-37	42540	4.7	12.4	36.4		103
7-14-22	42542	6.8	16.4	23.1		103
11- 0-39	42541	11.6	0.0	38.9		99
18- 0-23	42707	16.7*	0.0	26.3		99
OTIS BRYANT & SON MILLING CO.		CANEYVILLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
10-25-26	41695	9.8	26.4	26.8		101
15-15-15	40658	13.5*	16.8	19.1		103
18-46- 0	41696	17.3	46.6	0.0		99
BURLEY BELT CHEMICAL CO.		LEXINGTON		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
4-16- 4	41064	4.3	15.5	4.6		101
4-16- 4	41071	4.6	15.4	4.9		103
5-10-15	41346	4.9	10.1	15.1		100
5-10-15	41356	5.1	10.2	15.9		103
5-10-15	41358	5.2	9.8	16.0		103
5-10-15	41875	5.8	11.4	12.7*		103
5-10-15	41884	5.1	10.7	14.8		103
5-10-15	42128	5.6	10.8	15.6		107
5-10-15	42461	5.3	9.6	16.1		103
5-10-15	42488	6.1	11.9	12.0*		105
5-10-15	43166	5.2	10.8	14.9		104

TABLE 1. (Continued)

BURLEY BELT CHEMICAL CO.		LEXINGTON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
5-10-15	43171	5.7	9.8	15.3			103
5-10-15	43035	4.6	9.4	16.8	*		100
5-20-20	41344	5.6	19.5	19.9			101
5-20-20	41880	5.5	19.4	19.0			99
5-20-20	42457	5.6	18.8*	20.9			100
6-12-12	43127	6.5	11.5	12.9			103
6-12-18	41883	6.4	11.9	19.3			104
8-10-15	41959	7.4*	10.3	16.5			102
8-10-15	42408	7.6	10.3	16.7			103
8-10-15	42409	8.0	10.0	16.3			103
8-10-15	43036	5.8*	9.9	13.6*			87*
8-32-16	41531	8.3	31.0	16.3			99
10-10-10	41355	9.9	10.7	11.2			105
10-10-10	41357	10.2	9.9	10.7			102
10-10-10	41874	9.8	12.7	11.5			111
10-10-10	41881	9.5	12.3	10.7			107
10-10-10	41885	10.4	9.8	10.2			102
10-10-10	41961	9.9	11.1	11.4			106
10-10-10	42486	10.4	14.2	8.4*			112
10-10-10	42487	10.5	8.7*	10.9			100
10-10-15	40839	8.9*	9.5	14.8			94*
10-10-20	41062	12.8	9.3	18.1*	*		105
10-10-20	41850	9.7	10.6	20.6			102
11- 0- 9	42458	10.5*	0.0	11.0			99
12-12-12	41061	11.8	12.3	12.4			101
12-12-12	43157	8.5*	8.1*	8.3*			69*
15-15-15	41063	14.2	15.5	15.6			100
15-30- 0	43172	13.6*	26.2*	0.0			89*
20-10-10	41530	14.8*	11.0	16.1			96*
20-20-10	41879	20.1	21.9	8.4*			102
20-40- 0	41532	19.5	40.0	0.0			99
21-13-13	43034	14.4*	17.7	19.9			97*
24- 6- 8	43037	20.7*	9.5	11.5			100
BURLEY BELT CHEMICAL CO.		CYNTHIANA		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0- 0-50	41411	0.0	0.0	49.0			98
0-20- 0	41410	0.0	18.1*	0.0			90*
0-20- 0	41637	0.0	19.7	0.0			98
5-10-15	41407	4.8	10.1	15.8			101
5-10-15	42701	11.3	13.3	14.8	*		143
6- 6-18	41829	6.0	7.1	18.8			106
7- 9-14	42347	6.9*	9.8	14.1			94*
10-10-10	41409	9.7	10.6	11.0			103
10-10-10	41412	9.7	11.8	11.1			107
10-10-10	42174	9.3	10.9	13.3			108
10-10-10	42175	7.7*	13.3	13.3			108
10-10-10	43209	6.6*	11.0	14.0			97*
10-10-10	42348	10.3	10.6	10.9			105
15-15-15	43029	12.6*	14.2	15.3			91*
20-10-10	41545	20.6	11.4	10.0			105
20-10-10	42350	22.5	8.6*	8.7*			102
20-10-10	42351	23.9	8.0*	5.7*			101
BURLEY BELT CHEMICAL CO.		EKRON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-34-14	41909	0.0	35.2	14.5			101
15-13-20	43111	17.0	13.6	20.2			103
15-15-23	43113	16.7	15.3	23.3			104

TABLE 1. (Continued)

BURLEY BELT CHEMICAL CO.		EKRON		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
15-30-15	42649	16.9	33.5	12.0*		104
17-12-18	43112	18.0	12.9	19.2		103
19-19-19	43189	19.8	18.5	19.5		100
BURLEY BELT CHEMICAL CO.		LONDON		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
0- 0-60	41408	0.0	0.0	58.3		97
0- 0-60	40970	0.0	0.0	60.7		101
0-20-20	40563	0.0	20.3	20.5		102
0-20-20	40593	0.0	18.4*	20.7		97*
0-20-20	41050	0.0	19.1	20.2		98
0-20-20	41426	0.0	15.9*	21.4		91*
0-25-25	41444	0.0	22.9*	25.7		96*
0-46- 0	42118	0.0	45.5	0.0		99
4-16- 4	41095	4.2	16.8	3.8		104
4-16- 4	41533	4.4	17.0	4.5		108
4-16- 4	41551	4.0	16.9	3.8		103
4-16- 4	42028	3.9	14.3*	8.7		105
5-10-10	41052	5.6	11.3	12.1		115
5-10-15	40792	5.4	10.6	16.0		107
5-10-15	40824	4.5	10.8	15.8		102
5-10-15	41042	4.8	10.8	16.4		105
5-10-15	41430	4.8	9.7	15.9		100
5-10-15	41763	5.1	10.6	15.4		104
5-10-15	41840	5.4	10.0	15.8		104
5-10-15	41925	5.3	10.3	16.7		107
5-10-15	41971	5.0	10.0	16.8		104
5-10-15	41973	5.1	10.1	16.8		105
5-10-15	42029	5.5	11.0	16.5		110
5-10-15	42051	5.1	10.7	16.8		108
5-10-15	42054	5.2	11.6	15.0		107
5-10-15	42102	4.9	10.7	16.7		106
5-10-15	42349	5.4	9.9	15.0		102
5-10-15	42977	5.4	10.2	15.8		104
5-10-15	43033	5.1	10.4	14.8		101
5-10-15	43059	5.7	10.5	15.2		106
5-10-15	43153	5.7	10.0	15.6		105
5-10-15	42830	4.9	11.5	13.5*		101
5-10-15	42832	5.2	11.5	14.8		106
5-20-20	40431	6.2	18.4*	19.8		99
5-20-20	40435	9.3	22.9	17.9*		118
5-20-20	40562	5.8	19.4	21.8		104
5-20-20	41382	5.3	19.6	19.8		100
5-20-20	41832	5.6	19.7	20.9		103
5-20-20	41838	5.7	20.1	19.8		102
5-20-20	41960	5.4	19.1	20.3		99
5-20-20	42052	5.2	20.6	22.2		106
5-20-20	42831	5.2	17.4*	21.6		97*
6-12-12	40422	6.6	12.0	12.4		104
6-12-12	40434	6.5	13.1	13.1		109
6-12-12	40438	7.1	13.6	10.8*		108
6-12-12	40439	9.9	10.8*	10.2*		110
6-12-12	40540	6.1	11.3	12.0		98
6-12-12	40603	6.5	11.3	11.3		98
6-12-12	40793	5.6	11.4	12.4		97*
6-12-12	40938	6.1	11.8	12.9		101
6-12-12	41413	6.7	11.7	11.9		102
6-12-12	41559	6.3	11.4	11.7		99

TABLE 1. (Continued)

BURLEY BELT CHEMICAL CO.		LONDON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
6-12-12	42130	6.6	11.9	11.8			102
6-12-12	42176	6.0	12.4	12.9			103
6-12-12	42490	6.4	13.1	13.5			109
6-24-24	41441	5.7	24.1	23.8			99
6-24-24	41970	5.5	26.9	19.2*			98
8- 8-13	42835	9.2	8.3	13.0			100
9-11-27	42834	9.5	12.3	27.9			101
10-10-10	40423	10.0	10.8	11.0			105
10-10-10	40429	9.1*	9.9	10.7			98
10-10-10	40437	9.0*	10.1	11.0			98
10-10-10	40464	10.4	10.7	10.2			104
10-10-10	40545	9.1*	12.1	11.2			106
10-10-10	40546	9.4	12.1	10.8			106
10-10-10	40549	9.7	10.8	10.9			103
10-10-10	40602	9.7	11.0	10.3			102
10-10-10	40794	9.9	10.5	10.3			102
10-10-10	40823	9.9	11.1	10.8			105
10-10-10	41012	10.0	10.4	11.2			104
10-10-10	41049	10.0	10.7	11.1			105
10-10-10	41343	10.0	11.0	11.3			106
10-10-10	41347	10.1	10.5	11.3			105
10-10-10	41414	10.4	10.4	10.2			103
10-10-10	41427	10.3	9.7	10.7			102
10-10-10	41445	10.3	9.9	10.8			103
10-10-10	41558	10.2	9.9	11.3			103
10-10-10	41762	10.5	10.5	10.1			104
10-10-10	41831	9.9	11.2	10.6			105
10-10-10	41839	10.2	10.9	10.4			105
10-10-10	41924	10.1	10.4	10.8			104
10-10-10	42055	10.0	11.3	11.1			107
10-10-10	42978	9.5	11.9	11.1			107
10-10-10	43060	9.0*	10.4	11.0			99
10-10-10	43154	10.0	9.7	11.1			102
10-10-10	43155	9.5	11.0	11.0			103
10-10-10	43174	9.7	9.8	10.5			99
10-10-10	41383	9.7	10.5	10.6			102
10-10-10	42361	10.1	8.7*	10.6			98
10-10-15	41442	9.3*	11.0	15.8			102
10-10-15	41665	10.0	9.2*	15.9			99
10-10-20	41529	11.9	10.5	20.4			109
10-10-20	41666	9.9	10.4	21.4			103
10-20-20	41098	9.3*	18.9*	21.3			97*
12-12-12	41097	10.3*	11.2*	14.0			95*
12-12-12	41415	11.2*	10.6*	13.8			96*
12-12-12	41443	10.2*	11.7	13.8			96*
12-12-12	41560	7.8*	9.7*	15.0			84*
14-18-18	42833	14.4	18.8	18.6			101
15-15-15	41429	13.5*	15.1	17.0			99
15-15-15	41969	14.7	14.6	15.7			99
15-15-15	41972	14.7	15.1	15.8			101
16-32- 8	40547	15.4	33.2	8.5			101
20-20-10	40548	17.5*	20.1	12.9			98
26- 8- 8	42829	25.7	8.1	10.2			100
34- 0- 0	40670	33.2	0.0	0.0			98
BURLEY BELT CHEMICAL CO.		FERGUSON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-20-20	41487	0.0	20.8	20.6			104

TABLE 1. (Continued)

BURLEY BELT CHEMICAL CO.		FERGUSON			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-20-20	41494	0.0	19.8	18.4*		96*
0-20-30	41484	0.0	22.4	28.1*		103
5-10-15	41366	4.7	9.7	14.8		97*
5-10-15	41482	5.0	11.7	14.8		106
5-10-15	41486	5.3	12.0	15.3		109
5-10-15	41493	5.5	12.0	15.0		110
5-10-15	42044	5.2	11.7	15.0		107
5-10-15	42577	5.7	10.7	15.3		107
5-10-15	42932	4.8	8.5*	16.6		97*
5-10-15	42362	5.1	10.5	15.1		103
5-20-20	41483	4.9	20.0	20.5		101
5-20-20	41492	5.5	20.9	20.3		104
5-20-20	41516	5.2	19.7	19.8		99
5-20-20	42037	5.3	19.2	20.6		100
5-20-20	42354	4.8	19.4	21.1		100
5-20-20	42933	5.2	17.8*	20.8		96*
5-20-20	42237	5.2	20.3	20.9		103
6-12-12	42412	4.7*	10.2*	13.8		92*
6-12-12	42443	6.3	12.7	13.3		107
10-10-10	41365	8.5*	10.0	10.8		95*
10-10-10	41367	9.7	10.9	10.9		104
10-10-10	41485	8.5*	11.1	10.4		98
10-10-10	41497	10.1	11.3	10.9		107
10-10-10	42413	7.9*	8.9*	11.9		91*
10-10-10	42595	8.9*	9.2*	10.8		94*
10-10-10	42926	10.2	10.3	10.0		102
10-10-10	42236	9.5	10.8	10.6		102
15-15-15	41892	14.4	15.5	16.2		101
15-15-15	42043	14.0*	15.7	16.2		100
15-15-15	42594	14.3	13.8*	14.8		95*
15-15-15	42238	14.8	15.4	16.4		102
BURLEY BELT CHEMICAL CO.		GEORGETOWN			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
10- 0-20	42122	11.7	0.0	18.7*		105
10-10-20	41672	7.9*	7.9*	24.3		95*
15- 7-11	42780	15.2	8.9	12.4		104
18- 4-18	42781	17.1*	5.7	20.4		103
18- 7-14	43028	19.0	9.1	15.8		104
BURLEY BELT CHEMICAL CO.		HARRODSBURG			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
13- 7-10	43038	12.9	7.7	11.4		101
21- 0-21	42715	21.6	0.0	22.5		101
26-12- 4	42714	25.3*	15.2	7.1		103
BURLEY BELT CHEMICAL CO.		RUSSELL SPRNGKY			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
4-18-18	41755	4.8	18.7	19.7		101
6-12-12	41753	5.8	11.4	12.3		98
13- 8-13	42771	11.8*	8.9	14.5		97*
13- 9-14	42770	11.1*	10.5	16.0		95*
CALLOWAY CO. SOIL IMP. ASSN.		MURRAY			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
6-26-25	42501	6.7	26.6	26.0		101
9-23-30	42499	8.3*	23.7	30.4		100
9-23-30	42503	8.9	23.9	29.8		101
10-26-26	42502	10.6	27.0	25.9		103
32- 9- 9	42500	32.7	10.3	10.1		101

TABLE 1. (Continued)

CAMPBELLSVILLE CROP SERVICE		CAMPBELLSVILLE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
16-16-16	42319	16.5	16.6	16.3			100
17-15-15	42317	16.4*	15.6	17.9			100
17-15-15	42318	16.5	19.7	14.6*			104
17-17-17	42315	17.2	18.8	18.3			102
17-17-17	42316	17.3	18.4	18.5			101
DONALD CARNEY & SON		SPRINGFIELD KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
9-23-31	41845	9.1	23.0	31.9			101
CAUDILL SEED CO.		SHELBYVILLE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0- 0-60	42079	0.0	0.0	60.4			101
0-12-33	42090	0.0	12.7	35.5			103
5-23-22	42091	6.4	24.3	23.2			103
7-18-27	42609	8.5	14.7*	32.0			102
10- 5- 5	40686	10.3	5.0	4.5			101
10- 5- 5	40736	9.4	5.9	4.9			100
10- 5- 5	40740	9.9	4.1*	4.2*			93*
10- 5- 5	40778	10.2	3.8*	4.1*			93*
10- 5- 5	40781	10.1	6.2	4.7			105
10- 5- 5	41770	9.6	3.7*	4.1*			88*
18-46- 0	42078	18.4	47.0	0.0			102
19-18-19	42607	19.7	19.7	19.6			102
19-18-19	42610	18.4*	19.5	20.4			100
19-19-19	42608	18.5	19.6	21.0			100
22-10-21	42611	21.9	9.4*	25.4			100
23- 9-20	42093	22.3*	8.7*	24.6			98
29- 0-21	42092	28.7	0.0	23.1			100
29-12-12	42606	30.2	12.5	11.6			102
46- 0- 0	42077	45.3	0.0	0.0			98
CAYCE LIME & FERTILIZER		FULTON KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0-23-30	42809	0.0	23.5	30.6			102
8-20-32	42808	7.7	20.2	34.9			100
CENTRAL FARMERS SUPPLY		GREENSBURG KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0-23-29	41428	0.0	24.1	29.4			101
16-12-18	43061	16.6	13.3	19.2			102
16-16-16	42213	15.5*	14.9*	21.6			99
22-12-12	42215	19.9*	14.3	16.7			102
23-11-11	42214	22.7*	11.6	13.0			100
CENTRAL KY AERIAL SPRAY INC.		DANVILLE KY			XS	CL	RV
GRADE	NUM	N	APA	POT			
0- 0-30	41384	0.0	0.0	30.5			101
0- 0-30	41387	0.0	0.0	27.0*			90*
CF INDUSTRIES, INC.		LONG GROVE IL			XS	CL	RV
GRADE	NUM	N	APA	POT			
28- 0- 0	41386	28.9	0.0	0.0			103
28- 0- 0	42352	28.4	0.0	0.0			101
28- 0- 0	42543	28.2	0.0	0.0			101
28- 0- 0	43100	27.9	0.0	0.0			99
34- 0- 0	40432	34.1	0.0	0.0			100
34- 0- 0	40457	33.9	0.0	0.0			100
34- 0- 0	40530	33.4	0.0	0.0			98
34- 0- 0	40848	34.7	0.0	0.0			102
34- 0- 0	40857	34.1	0.0	0.0			100
34- 0- 0	40937	34.3	0.0	0.0			101

TABLE 1. (Continued)

CHILEAN NITRATE SALES CORP.		NEW YORK		NY		
GRADE	NUM	N	APA	POT	XS CL	RV
15- 0-14	43160	14.7	0.0	14.0		99
15- 0-14	43220	14.5	0.0	14.3		98
16- 0- 0	42053	15.9	0.0	0.0		99
CHRISTIAN CO. SUPPLY CO.		HOPKINSVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
0-40- 0	40412	0.0	41.3	0.0		103
3-13-13	40696	3.2	10.8*	9.7*		82*
6-26-25	40697	7.8	27.0	24.1*		102
6-30-20	40633	7.5	29.8	18.3*		100
10-10-10	40690	6.6*	7.1*	8.0*		70*
10-13-13	40695	5.9*	11.9*	13.3		80*
CIRCLE O FARM CENTER		MARION		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
11- 7-11	42557	12.1	7.9	12.0		101
12- 6- 6	42558	11.9	5.9	5.9		99
15- 8-10	42559	14.7	7.7	11.2		100
15- 8-12	43044	14.9	8.0	11.8		99
CIRCLE O FARM CENTER		STURGIS		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
4-12-16	40767	3.9	12.1	16.6		101
6-18-12	43079	6.4	18.0	12.3		102
8- 8-12	40712	8.9	9.1	11.8		108
10-10-20	42010	9.9	9.7	21.0		100
10-34- 0	41090	9.2*	33.7	0.0		97*
10-34- 0	41402	10.0	32.9	0.0		98
10-34- 0	41403	10.3	33.2	0.0		99
CRAFTON & DUNCAN INC.		HENDERSON		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
16- 7-12	42949	17.1	7.1	12.7		101
FARMERS FEED & FERTILIZER		SCOTTSVILLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
16-11-15	41947	18.6	8.9*	16.4		102
FARMERS FERTILIZER COMPANY		SMITHS GROVE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
4-16- 4	41275	3.2*	13.4*	3.9		84*
5-20-19	41466	6.0	20.2	22.7		107
14-14-14	41465	12.8*	13.5*	18.6		96*
15-15-15	41274	14.8	15.8	16.9		104
15-15-15	42918	15.6	15.7	16.4		105
30-10-10	41273	30.1	11.2	10.5		103
35-17- 0	42509	35.1	17.2	0.0		101
FARMERS GIN COMPANY		CLINTON		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
9-23-30	42664	9.3	23.4	30.5		102
25-12-16	42667	27.0	12.1	16.3		102
29-10-13	42666	30.5	11.8	13.1		104
30- 0-20	42665	31.3	0.0	19.8		101
FARMERS SUPPLY & PRODUCE CO.		MONTICELLO		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
7- 7-11	42773	7.6	8.0	11.5		101
10- 0- 0	42923	9.3*	0.0	0.0		93*
10- 9-12	43074	8.1*	11.0	12.9		96*
14- 6-10	42924	13.6*	6.4	11.2		97*
FARMLAND INDUSTRIES INC.		KANSAS CITY		MO		
GRADE	NUM	N	APA	POT	XS CL	RV
6-24-24	40915	6.5	24.4	23.8		102
6-24-24	41125	6.4	23.7	24.2		101

TABLE 1. (Continued)

FARMLAND INDUSTRIES INC.		KANSAS CITY		MO	XS CL	RV
GRADE	NUM	N	APA	POT		
6-24-24	41306	6.5	24.3	23.9		102
6-24-24	42387	5.8	23.0	23.8		97*
6-24-24	43180	6.4	23.8	23.7		100
7-28-28	42002	7.7	27.1	28.4		101
7-28-28	42003	7.8	26.8	29.0		101
8-32-16	40676	8.2	31.9	15.8		100
12-12-12	40677	11.9	12.6	12.7		102
12-12-12	41991	11.9	12.3	13.1		102
14-28-14	43179	13.6	27.5	15.4		100
FAYETTE SEED CO.		LEXINGTON		KY	XS CL	RV
GRADE	NUM	N	APA	POT		
10-10-10	41870	9.6	11.6	10.4		104
FEDERAL CHEMICAL CO.		LOUISVILLE		KY	XS CL	RV
GRADE	NUM	N	APA	POT		
0-20-20	40742	0.0	19.8	19.8		99
4-12-16	43217	3.3*	13.6	20.3		112
4-16-4	41132	7.1	15.3	5.1		117
5-10-15	40876	5.3	10.7	16.3		107
5-10-15	41066	5.5	10.4	15.4		105
5-10-15	41309	5.1	9.6	16.9		103
5-10-15	42371	5.2	10.6	14.1*		101
5-10-15	40896	5.1	10.0	15.1		100
5-20-20	40433	4.7	16.8*	21.2		93*
5-20-20	40469	5.2	18.5*	19.4		96*
5-20-20	40542	5.8	20.2	20.2		104
5-20-20	40555	4.7	18.2*	21.4		97*
5-20-20	40611	4.3*	16.9*	20.7		91*
5-20-20	41337	5.1	19.7	18.7*		97*
5-20-20	41622	5.7	17.5*	18.6*		94*
5-20-20	41731	7.0	16.0*	15.4*		89*
5-20-20	41732	5.2	20.9	18.5*		100
5-20-20	41734	4.9	19.9	19.9		99
5-20-20	41740	5.2	20.1	19.8		101
5-20-20	41821	5.9	21.2	19.8		106
5-20-20	41862	5.7	20.2	19.9		103
5-20-20	42036	5.1	20.5	20.9		103
5-20-20	42222	7.2	17.5*	19.8		101
5-20-20	40807	4.9	19.4	20.8		99
6-12-12	40577	5.8	13.2	12.7		105
6-12-12	41336	6.4	13.0	12.4		106
6-12-12	41861	5.9	11.5	14.8		104
6-12-12	42126	6.5	13.9	15.0		117
6-24-24	40428	6.5	23.5	22.5*		98
6-24-24	40541	6.0	23.2	23.8		98
6-24-24	40818	6.4	23.4	22.4*		98
6-24-24	41249	5.7	24.6	20.8*		96*
6-24-24	41310	6.1	23.9	22.9*		98
6-24-24	41994	5.6	22.1*	23.8		95*
6-24-24	42004	6.5	23.4	24.1		100
6-24-24	42035	5.6	22.0*	24.4		95*
6-24-24	42056	5.8	22.3*	24.5		97*
9-10-15	41419	8.3*	10.8	16.6		103
9-10-15	41733	8.9	11.5	15.5	*	105
9-10-15	41824	10.0	10.6	15.2		106
10-10-10	40556	9.4	10.4	9.5		97*
10-10-10	40594	9.5	9.1*	9.9		94*
10-10-10	40612	9.5	10.2	10.4		99

TABLE 1. (Continued)

FEDERAL CHEMICAL CO.		LOUISVILLE			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
10-10-10	40750	9.4	10.1	9.9		97*
10-10-10	40819	9.7	11.6	10.8		106
10-10-10	40875	9.9	10.3	9.4		99
10-10-10	40987	9.7	9.4	11.1		99
10-10-10	41192	9.7	9.3*	11.6		100
10-10-10	41338	9.5	9.9	9.8		97*
10-10-10	41420	9.8	10.3	9.8		99
10-10-10	41421	9.6	10.5	10.5		101
10-10-10	41452	8.5*	10.6	13.0		102
10-10-10	41518	9.7	9.8	9.8		98
10-10-10	41623	9.5	10.1	10.0		98
10-10-10	41847	10.5	10.4	10.8		105
10-10-10	41966	10.5	10.7	11.3		107
10-10-10	42125	9.3	10.6	10.2		99
10-10-10	42131	9.8	10.1	11.3		102
10-10-10	43126	10.2	10.4	11.1		105
10-10-10	43158	10.0	9.5	10.3		99
10-10-15	42062	9.6	9.5	16.5		100
12-12-12	41045	10.5*	12.8	14.3		101
12-12-12	41191	10.9*	12.5	14.3		101
12-12-12	41423	10.1*	11.7	11.8		92*
12-12-12	41860	11.7	13.7	12.7		105
13-13-13	41308	10.7*	17.0	14.5		105
13-13-13	42061	11.3*	13.6	14.9		99
15-15-15	42045	13.9*	14.5	15.6		96*
15-15-15	42146	14.2	14.7	15.0		97*
FOURTH ST. FERT. CO., INC.		LEXINGTON			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
5-10-15	42822	4.3*	10.3	14.9		97*
5-10-15	42973	5.1	10.0	14.2*		98
10-10-10	42353	8.7*	9.4	11.1		94*
10-10-10	42823	8.0*	11.1	10.2		95*
10-10-10	42974	8.2*	10.8	10.5		96*
11- 3-17	42861	11.1	4.0	17.3		97*
11- 7-16	42826	11.2	7.5	17.1		100
12-15-23	42825	13.4	16.3	23.0		101
16- 0-21	42824	15.6	0.0	21.9		99
27-12-13	42827	26.2*	13.2	14.8		98
FOURTH ST. FERT. CO., INC.		WINCHESTER			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0- 0-52	41070	0.0	0.0	52.6		101
8-10-15	42975	9.1	9.9	16.8		108
12- 8-18	42863	11.9	8.5	18.3		101
13- 7-10	42972	10.6*	8.3	14.2		100
17- 0-24	42862	18.7	0.0	23.4*		101
28- 0- 0	41072	27.9	0.0	0.0		100
FRANKLIN CROP SERVICE		FRANKLIN			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-26-26	40811	0.0	26.9	25.9		102
0-27-24	41954	0.0	30.3	20.2*		100
FRASIER SUPPLY CO.		GLASGOW			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
5-10-15	40760	3.5*	8.8*	21.9		105
10-10-10	40440	10.5	9.5	11.2		103
10-10-10	40441	15.6	8.1*	4.2*		106

TABLE 1. (Continued)

GAMALIEL BULK FERTILIZER INC		TOMPKINSVILLE KY				XS CL	RV
GRADE	NUM	N	APA	POT			
0- 0-50	42618	0.0	0.0	51.3			103
4-17-17	41608	5.1	18.3	18.2			108
5-20-20	41609	0.8*	20.4	14.4*			77*
18-46- 0	40990	17.8	45.6	0.0			99
18-46- 0	42617	18.2	47.5	0.0			103
GARDINIER BIG RIVER, INC.		HELENA		AR		XS CL	RV
GRADE	NUM	N	APA	POT			
8-24-24	41859	8.7	24.5	22.8*			101
GENES AG SUPPLY		STURGIS KY			XS CL	RV	
GRADE	NUM	N	APA	POT			
4-12-18	40714	4.1	11.5	18.0			99
4-12-18	41401	3.9	13.2	19.5			107
4-12-24	40715	4.1	12.0	24.8			102
5- 5- 5	42857	5.1*	6.1	7.6			101
5-15-23	40770	5.1	15.5	20.6*			98
5-16-24	40771	5.3	16.2	23.7			101
5-16-24	40772	5.0	15.8	24.3			100
10-10-10	40713	9.9	10.2	10.2			101
12- 8- 8	41400	12.5	8.2	7.9			103
GLASGOW FERTILIZER CO.		GLASGOW KY			XS CL	RV	
GRADE	NUM	N	APA	POT			
0- 0-60	40535	0.0	0.0	60.3			100
0- 0-60	43218	0.0	0.0	60.8			101
0- 0-61	40505	0.0	0.0	59.9			98
0- 0-61	42548	0.0	0.0	60.0			98
0- 0-62	40932	0.0	0.0	61.9			100
0-20-20	41279	0.0	22.6	16.3*			100
0-20-20	42419	0.0	17.4*	23.3			99
0-46- 0	40536	0.0	45.9	0.0			100
0-46- 0	40988	0.0	45.4	0.0			99
3-14-14	40777	7.1	17.0	15.2			127
4-16- 4	41219	4.6	18.1	3.1*			109
4-19-19	41459	5.0	18.7	19.0			99
5-10-15	41276	5.5	10.3	14.8			103
5-10-15	41277	6.2	10.2	13.9*			104
5-10-15	41900	5.8	11.5	15.2			110
5-10-15	41946	5.4	10.0	15.3			103
5-10-15	42211	5.4	10.2	16.4			106
5-10-15	42416	5.1	9.6	15.4			100
5-10-15	42552	4.6	9.4	15.2			96*
5-10-15	42762	5.4	10.8	15.8			107
5-10-15	43000	5.0	9.7	17.3			105
5-10-15	43140	5.1	10.3	16.2			104
5-10-15	41948	4.1*	7.1*	18.4			93*
5-20-20	41278	5.4	20.4	19.9			102
6-12-12	41899	6.0	11.5	11.0*			96*
6-25-25	41460	6.4	22.7*	26.0			96*
9- 9- 9	41457	9.2	6.7*	10.0			87*
10-10-10	41280	9.8	11.7	10.4			106
10-10-10	41898	16.4	11.5	10.6			135
10-10-10	42410	10.0	10.1	10.1			100
10-10-10	42414	11.2	10.6	10.5			108
10-10-10	42520	10.3	10.9	9.9			104
10-10-10	42652	10.4	10.9	11.4			108
10-10-10	42659	10.2	10.3	10.6			103
10-10-10	43062	9.6	9.5	10.5			97*
10-10-10	43065	10.1	11.2	10.2			105

TABLE 1. (Continued)

GLASGOW FERTILIZER CO.		GLASGOW		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
10-10-10	43121	10.5	9.7	10.6			102
10-10-10	43138	10.0	10.4	9.9			101
10-10-10	43162	9.9	9.9	9.9			99
10-10-10	43219	10.3	10.2	9.9			102
12- 8- 8	41458	12.9	9.1	7.7*			99
12-24-24	42551	11.1*	26.4	24.2			102
12-24-24	43139	12.4	25.7	22.6*			102
14-14-14	42549	15.0	15.6	15.1			108
15-15-15	40810	15.1	14.4	14.8			99
15-15-15	41239	14.7	16.7	15.2			103
15-15-15	42415	15.8	15.7	16.9			107
15-15-15	42547	14.7	14.7	15.1			99
15-15-15	42651	16.5	17.9	11.5*			106
15-15-15	43161	14.4	15.4	15.5			100
18-46- 0	40534	17.6	46.0	0.0			99
21-53- 0	42459	19.3*	54.3	0.0			99
33- 0- 0	42550	34.0	0.0	0.0			101
33- 0- 0	43004	34.3	0.0	0.0			102
W.R. GRACE & CO.-AGR. PROD.		DIV CADIZ		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
4-14-19	42332	5.2	15.0	20.3			102
6-18-18	42331	5.2	18.0	18.1			101
13- 7-11	42985	14.7	7.3	10.0*			102
15- 9- 9	42662	15.9	9.6	10.0			100
W. R. GRACE & CO.		CECILIA		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
9- 9- 9	42882	8.9*	8.6*	10.5			92*
10-10-10	42883	9.5	9.8	14.7			107
11- 8-12	42884	11.5	8.3	15.0			103
15- 7-11	42881	14.1*	8.1	12.6			100
19-19-19	42885	18.4*	18.9	21.0			99
W.R. GRACE & CO.		EKRON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
10-10-10	40702	7.2*	9.8	13.5			95*
W. R. GRACE & CO.		IRVINGTON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
6-26-26	43012	6.8	27.2	24.9			102
7-13-11	43016	8.0	13.5	13.8			105
9- 8-13	43013	9.7	9.3	15.2			107
10- 8-12	43014	11.1	9.1	14.2			106
19-19-19	43015	20.7	19.7	18.0*			102
W R GRACE & CO		LA CENTER		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
3- 9-15	42799	4.8	9.6	17.1			115
3-11-19	42800	3.9	11.6	21.3			102
3-11-19	42987	5.0	11.1*	21.3			104
10-11-18	42992	11.1	10.7	18.5			99
W. R. GRACE & CO.		HOPKINSVILLE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0- 0-60	40878	0.0	0.0	61.2			102
4-12-20	42064	4.4	12.4	21.2			105
4-14-14	42065	5.3	16.2	16.3			109
5-15-20	40678	4.9	15.1	20.4			101
5-15-25	42801	4.9	15.1	25.0			100
5-15-25	43141	5.3	16.9	21.4*			100
5-17-11	42672	6.5	18.8	13.0			107
5-17-17	43084	7.8	22.3	7.3*			101

TABLE 1. (Continued)

W. R. GRACE & CO.		HOPKINSVILLE KY				XS CL	RV
GRADE	NUM	N	APA	POT			
6-18-12	42066	6.1	19.0	10.7*		101	
9-10-15	43142	9.0	10.3	14.9		101	
11-11-11	42899	10.9	11.9	11.6		102	
12- 7-11	42898	9.0*	12.1	12.1	*	101	
15- 8-11	42900	15.3	8.8	11.5		102	
W. R. GRACE & CO.		MEMPHIS TN				XS CL	RV
GRADE	NUM	N	APA	POT			
0- 0-50	40759	0.0	0.0	51.1		102	
0-46- 0	40971	0.0	45.3	0.0		99	
4-16- 4	41024	4.2	15.4	4.0		99	
4-16- 4	41304	4.5	17.3	4.3		109	
4-16-28	42143	4.8	15.2	28.0		101	
5-10-15	40825	5.1	9.9	14.5		98	
5-10-15	40974	6.6	10.2	14.8		108	
5-10-15	41303	4.7	10.6	15.3		102	
5-10-15	41490	5.1	10.2	16.5		105	
5-10-15	41697	5.3	11.1	15.4	*	107	
5-10-15	41904	5.7	10.7	16.1		108	
5-10-15	41997	4.8	10.7	14.9		101	
5-10-15	41999	5.6	10.0	14.8		103	
5-10-15	42187	4.8	9.8	15.4		99	
5-10-15	42290	5.4	11.5	16.6	*	112	
5-10-15	42442	5.0	10.2	16.3		104	
5-10-15	42517	5.0	13.2	16.8	*	116	
5-10-15	41704	6.1	10.6	15.0	*	108	
5-10-15	42642	6.1	10.6	15.6		109	
5-10-15	43183	4.9	9.7	18.5	*	107	
5-20-20	40426	5.2	20.1	21.8		104	
5-20-20	40672	5.0	19.3	21.0		100	
5-20-20	41026	5.4	18.1*	20.8		98	
5-20-20	41084	5.1	19.5	20.3		99	
5-20-20	41317	5.2	19.0*	20.3		99	
5-20-20	41328	5.3	19.8	19.9		100	
5-20-20	41491	5.1	20.4	21.4		104	
5-20-20	42289	5.0	20.8	19.9		102	
5-20-20	42516	5.0	20.0	19.7		99	
5-20-20	40802	4.8	19.6	20.2		98	
5-20-20	41702	5.3	20.2	20.3		102	
6-12-12	43186	6.4	12.5	12.2		104	
6-24-24	40476	5.6	22.3*	23.9		95*	
6-24-24	40743	5.4	22.4*	23.8		95*	
6-24-24	40930	5.7	22.4*	23.7		95*	
6-24-24	42145	5.9	24.0	22.9*		98	
6-24-24	42185	5.6	22.4*	24.9		97*	
6-24-24	42643	5.0	23.9	24.1		100	
6-38- 6	42144	6.4	35.9*	7.7		99	
10- 0- 0	41025	10.8	0.0	0.0		107	
10-10-10	40531	9.8	10.5	10.6		102	
10-10-10	40683	8.9*	11.8	11.1		103	
10-10-10	40758	9.7	10.9	10.4		102	
10-10-10	40973	9.0*	13.8	11.2		111	
10-10-10	41067	10.6	12.9	10.4		113	
10-10-10	41083	9.9	11.0	10.9		105	
10-10-10	41318	9.5	11.1	10.1		102	
10-10-10	41705	10.6	10.5	11.0		107	
10-10-10	41706	10.4	11.2	11.3		109	
10-10-10	41903	9.6	10.2	10.0		99	

TABLE 1. (Continued)

W. R. GRACE & CO.		MEMPHIS			TN	XS CL	RV
GRADE	NUM	N	APA	POT			
10-10-10	42042	9.8	10.4	10.8			102
10-10-10	42518	9.8	10.5	11.6			104
10-10-10	42758	11.3	13.4	14.2			126
10-10-10	40803	9.6	11.6	11.2			106
10-10-10	40897	9.9	11.9	11.5			109
10-10-10	41703	10.1	12.7	10.9			111
10-10-10	42644	11.7	11.3	10.4			112
12-12-12	41989	11.1*	13.2	13.8			103
12-12-12	43177	12.3	12.7	12.5			104
12-12-12	41981	11.9	13.2	13.3			105
12-12-12	42432	12.4	12.5	13.5			105
12-12-12	42765	11.8	13.1	11.8			102
15-15-15	41250	13.8*	14.6	15.5			96*
15-15-15	41489	13.6*	15.3	15.0			97*
15-15-15	41742	14.3	14.4	15.7			97*
15-15-15	42041	14.7	15.2	15.1			100
15-15-15	42184	15.0	14.9	14.8			100
18-46-0	40972	17.7	46.7	0.0			100
18-46-0	41018	18.2	46.7	0.0			101
28-0-0	40901	27.3	0.0	0.0			97
28-0-0	42759	28.4	0.0	0.0			102
33-0-0	40922	34.0	0.0	0.0			101
33-0-0	41017	33.7	0.0	0.0			101
33-0-0	42038	33.8	0.0	0.0			101
W. R. GRACE & CO.		NASHVILLE			TN	XS CL	RV
GRADE	NUM	N	APA	POT			
0-22-30	42296	0.0	24.2	29.4			104
0-23-30	40625	0.0	23.3	29.7			100
0-23-30	41648	0.0	25.2	27.2*			101
4-16-28	42388	4.3	15.7	28.5			101
4-16-28	43151	4.3	16.3	26.7*			99
5-10-15	40448	5.0	9.2*	15.0			97*
5-10-15	41509	4.9	9.9	15.2			99
5-20-20	40916	5.1	18.7*	21.1			99
5-20-20	41208	5.0	20.1	20.4			101
5-20-20	41510	5.0	20.4	19.7			100
5-20-20	40582	5.2	19.5	19.2			98
5-20-20	43087	5.2	20.5	19.7			101
6-24-24	40447	5.9	20.8*	22.2*			91*
6-24-24	40481	5.8	22.1*	22.4*			93*
6-24-24	41210	5.9	23.0	23.8			97*
6-24-24	41211	5.5	22.6*	24.1			96*
6-24-24	41212	5.9	25.4	22.0*			100
6-24-24	41399	5.7	21.7*	24.2			95*
6-24-24	41718	5.8	23.2	24.4			98
6-24-24	42063	5.8	22.6*	24.0			96*
6-24-24	42386	5.7	24.4	22.9			99
6-24-24	40583	5.5	21.1*	23.8			92*
6-24-24	40626	5.3*	22.3*	23.7			94*
6-24-24	41649	5.9	23.9	23.8			99
6-24-24	42954	5.8	24.5	20.7*			96*
10-10-10	41209	9.4	10.7	11.0			102
10-10-10	43143	9.2*	11.7	10.8			104
W R GRACE & CO AGR PROD DIV		NEW ALBANY			IN	XS CL	RV
GRADE	NUM	N	APA	POT			
0-23-30	40745	0.0	23.8	29.0			100
5-10-15	41681	5.5	10.9	14.8			105

TABLE 1. (Continued)

W R GRACE & CO AGR PROD DIV		NEW ALBANY		IN		XS CL	RV
GRADE	NUM	N	APA	POT			
5-10-15	41688	5.8	11.5	15.8	*	112	
5-10-15	42391	5.7	10.6	16.3		109	
5-15-30	42916	5.5	17.7	25.8*		101	
5-20-20	41677	6.4	19.9	20.7		106	
6-24-24	40446	5.3*	22.5*	26.6		98	
6-38- 6	42917	6.2	34.5*	9.2		98	
10-10-10	41237	10.8	10.0	10.5		105	
10-10-10	41680	11.5	11.5	11.6		115	
10-10-10	43206	10.7	10.8	10.4		107	
12-12-12	41678	12.9	12.5	11.8		105	
12-12-12	41687	12.1	13.7	11.8		105	
15-15-15	41679	14.1*	15.1	15.2		98	
15-15-15	41805	15.1	14.1*	16.4		100	
15-15-15	42433	14.2	14.4	15.6		97*	
28- 0- 0	41104	27.8	0.0	0.0		99	
GRAVES CO. SOIL IMP. ASSN.		MAYFIELD		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-29-20	42155	0.0	34.5	14.9*		104	
9-23-30	42334	9.5	24.7	29.8		104	
14-12-17	40606	13.8	11.8	21.5		103	
20-19-17	42335	20.3	20.6	17.7		101	
GREAT SALT LAKE MIN. & CHEM.		OGDEN		UT		XS CL	RV
GRADE	NUM	N	APA	POT			
0- 0-52	40862	0.0	0.0	52.5		101	
GREEN CO. FARM SUPPLY		GREENSBURG		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-17-35	43064	0.0	18.6	34.3		100	
0-24-24	42212	0.0	24.4	25.1		100	
0-26-26	41708	0.0	26.6	24.5*		99	
9-19-19	41707	10.4	21.9	20.5		109	
17-17-17	41425	16.6*	18.2	18.7		99	
22-12-12	41424	22.4	13.0	12.5		100	
GREEN VALLEY FARM SUPPLY		CALHOUN		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-22-30	40746	0.0	21.1	32.5		102	
0-22-30	42678	0.0	23.9	27.7*		101	
0-22-30	43118	0.0	21.2	32.8		103	
9-23-30	42677	8.7	22.4	30.9		99	
15- 9-13	42676	14.7*	8.7	16.6		101	
22-13-13	42675	21.3*	15.1	13.8		99	
GREEN VALLEY FARM SUPPLY		ISLAND		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-17-36	40788	0.0	19.5	35.6		104	
0-23-30	42156	0.0	22.1	30.4		99	
0-23-30	42840	0.0	25.8	25.8*		100	
6-26-26	42839	5.9	25.9	27.6		102	
19- 9-12	42838	18.1*	13.2	10.9*		101	
GRO-GREEN CHEMICAL CO., INC.		SHELBYVILLE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0- 9-29	41351	0.0	9.7	30.0		101	
0-38- 0	42095	0.0	41.0	0.0		107	
1- 5-15	41360	2.3	6.2	15.5		108	
3- 6-10	41352	4.3	8.1	11.3		120	
4-19-19	42098	8.5	21.8	21.0		123	
5-10-15	41353	5.1	7.1*	15.9		92*	
5-10-15	41661	6.2	10.6	14.9		108	
5-10-15	42404	5.4	9.4	20.3		113	

TABLE 1. (Continued)

GRO-GREEN CHEMICAL CO., INC.		SHELBYVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
5-20-20	41660	5.2	18.7*	17.0*		92*
6- 3- 3	41361	5.0*	2.8	2.3*		82*
6- 6-18	41354	4.3*	7.5	15.6*		91*
6- 6-18	41499	6.2	9.4	17.7		113
6- 6-18	41500	8.4	14.4	15.3*		138
6- 6-18	41501	7.0	12.0	14.9*		120
6- 6-18	41502	6.6	10.8	15.0*		114
6- 7-11	42736	8.4	8.4	12.2		121
8-10-15	42545	10.5	10.4	14.8		112
8-12-15	41350	9.9	12.8	15.7		111
8-12-15	43095	5.9*	4.4*	15.1	*	68*
8-24-10	41659	8.4	20.3*	11.9		95*
10- 8-16	42735	12.0	10.2	17.8		117
10-10-20	41871	8.0*	8.6*	15.5*		81*
12-12-12	41658	12.0	12.6	11.8		101
16- 0-37	41363	12.1*	0.0	35.4*		84*
18- 8- 8	42094	18.4	8.8	9.2		103
21- 9-17	42096	22.5	9.9	17.2		104
22- 7-24	42734	22.8	8.2	18.6*		95*
27-18- 0	42097	25.8	20.9	0.0		102
GRO-GREEN SALES CO.		LEBANON KY				
GRADE	NUM	N	APA	PJT	XS CL	RV
8-12-20	41157	10.0	12.2	24.2		112
8-35-14	42580	9.1	35.0	14.8		101
11- 7- 9	42584	12.2	6.6*	10.2		104
15-15-18	42034	13.8*	17.5	19.7		100
19-17-20	42578	18.6	18.6	21.8		102
19-19-19	42582	18.4	20.4	19.0		100
22-11-18	42579	20.3*	12.5	21.3		99
23- 7-23	43096	24.7	7.1	22.5		102
25- 7-20	42581	25.2	9.3	20.5		103
25- 7-20	42583	24.3*	8.3	21.3		100
25- 7-20	43097	28.8	7.2	17.1*		103
25-10-13	42585	26.9	10.6	13.2		106
GRO-GREEN PAYNES, INC.		LEXINGTON KY				
GRADE	NUM	N	APA	POT	XS CL	RV
3- 3-11	42082	4.0	4.5	16.2		123
5-10-15	42604	5.5	9.8	16.2		105
6- 4- 6	42613	6.2	4.0*	7.3		97*
6- 6-18	42602	5.5	5.3*	21.2		103
8-10-15	42787	8.0	8.6*	14.5		95*
8-12-15	42786	6.9*	11.3	13.7*		91*
12-12-12	42603	13.5	14.4	14.4		117
13- 8- 8	41852	7.4*	9.9	16.0		94*
20- 3-28	42605	19.7	5.8	27.0*		100
28- 3-18	42083	24.6*	4.5	22.7		98
28- 5-15	42081	28.2	4.8*	16.1		100
36- 0-12	42612	32.0*	0.0	18.1		98
HANCOCK COUNTY FARM SUPPLY		HAWESVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
0-22-30	42681	0.0	23.2	29.8		102
6-25-25	42682	6.2	25.8	25.7		99
6-25-26	42683	6.6	24.5	27.8		100
10-20-25	42680	10.1	20.3	26.3		100
HOBBS FEED & SUPPLY CO.		FANCY FARM KY				
GRADE	NUM	N	APA	POT	XS CL	RV
3- 9-27	42980	4.1	8.4	28.4		106

TABLE 1. (Continued)

HOBBS FEED & SUPPLY CO.		FANCY FARM		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
18-8-8	42981	24.0	0.5*	6.8*			95*
18-8-8	42982	18.6	9.2	10.3			104
CLIFTON HOLLINGSWORTH		MT. HERMON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
14-14-14	41605	13.9	12.7*	14.7			97*
15-14-15	41604	14.9	14.6	15.9			100
16-13-13	41603	16.2	12.7*	13.7			96*
HOPKINSVILLE ELEVATOR CO, INC.		HOPKINSVILLE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-26-24	42671	0.0	28.7	22.1*			102
0-31-20	41722	0.0	30.5	20.9			100
0-31-20	41723	0.0	31.4	20.9			102
4-19-19	41396	6.0	20.9	17.5*			102
4-19-19	41397	6.4	20.2	20.0			106
9-12-18	41720	10.3	12.2	18.0			105
13-14-14	41721	14.9	12.8*	16.6			107
18-20-20	41724	18.6	19.7	21.0			102
22-22-12	41719	21.3	24.4	13.5			104
25-15-15	42670	23.2*	17.0	16.4			100
HOWE-HILLIARD GRAIN CO.		MAYFIELD		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
15-20-23	42338	16.0	24.2	20.8*			105
20-15-15	42339	21.0	15.2	15.8			100
21-15-20	42337	17.3*	17.2	19.8			94*
27-11-15	42336	26.0*	9.8*	18.1			97*
HUTSON CHEMICAL COMPANY		MURRAY		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-0-60	42990	0.0	0.0	59.9			100
0-10-30	41866	0.0	8.7*	31.4			99
0-23-30	41806	0.0	20.7*	33.7			100
5-20-20	41868	7.4	23.7	18.2*			114
6-24-24	42504	5.7	23.5	22.3*			96*
6-24-24	42601	6.3	24.4	23.8			101
6-24-24	42669	6.0	26.0	22.3*			102
10-10-10	41865	10.5	10.6	10.4			105
10-10-10	41867	10.8	10.6	13.3			113
10-20-20	42505	8.8*	18.9*	22.7			98
12-18-18	42668	11.9	16.8*	19.1			98
15-15-15	42069	12.9*	13.5*	18.4			95*
15-15-15	42508	16.8	18.0	13.3*			109
18-46-0	41869	18.5	45.4	0.0			100
23-16-16	42340	20.9*	18.4	17.8			99
26-14-13	42341	29.3	13.0*	11.9*			101
28-0-0	42600	28.5	0.0	0.0			102
28-28-0	42506	28.2	28.9	0.0			102
33-0-0	41864	34.0	0.0	0.0			102
33-24-0	40503	33.6	20.6*	0.0			96*
46-0-0	41918	46.3	0.0	0.0			101
I & H FARM SUPPLY, INC.		TOMPKINSVILLE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
17-17-17	41606	17.8	18.0	18.0			100
INTERNATIONAL MIN & CHEM CORP		FLORENCE		AL		XS CL	RV
GRADE	NUM	N	APA	POT			
8-24-24	40754	8.1	24.7	24.4			102
8-24-24	42625	8.1	23.1	22.4*			96*
10-10-10	40753	10.1	10.3	10.5			103

TABLE 1. (Continued)

KAISER AGRI. CHEM.	GRADE	NUM	LOUISVILLE		KY	XS CL	RV
			N	APA	POT		
	4-10-40	43108	4.1	11.8	36.5*		99
	4-12-16	43216	3.6	11.8	19.1		105
	4-16-4	41044	4.6	16.3	6.0		110
	5-10-15	41174	4.6	10.1	15.2		99
	5-10-15	41181	5.2	10.3	14.8		102
	5-10-15	41236	5.6	10.5	16.1		107
	5-10-15	41379	5.2	11.2	16.0		108
	5-10-15	41422	4.8	10.7	15.8		103
	5-10-15	41517	4.5	10.9	16.6		105
	5-10-15	41564	4.9	12.0	16.2	*	109
	5-10-15	41624	5.8	10.5	15.0	*	106
	5-10-15	41653	5.5	10.8	14.7		105
	5-10-15	41683	5.0	10.4	16.6		105
	5-10-15	41766	5.1	11.1	15.5		106
	5-10-15	41849	5.2	10.9	15.3		108
	5-10-15	41887	5.3	11.4	15.6		108
	5-10-15	41965	5.4	11.1	16.0		109
	5-10-15	42060	5.5	12.2	13.1*	*	106
	5-10-15	42392	5.1	11.6	15.9		108
	5-10-15	42434	5.5	11.1	16.2		109
	5-10-15	43063	4.8	10.0	16.7		103
	5-10-15	43072	5.4	10.0	15.1		102
	5-10-15	43202	5.0	9.8	15.5		100
	5-10-15	41979	5.0	12.6	17.9	*	117
	5-20-20	41381	4.6	18.9*	19.0		94*
	5-20-20	41565	5.1	17.6*	20.0		94*
	5-20-20	41765	4.3*	16.6*	21.5		92*
	5-20-20	42622	6.0	19.2	20.0		101
	5-20-20	42538	6.3	19.4	19.8		102
	5-20-20	42764	4.9	18.3*	18.8*		93*
	6-12-12	41177	5.8	12.7	16.8		113
	6-12-12	41563	6.0	14.3	16.3		118
	6-12-12	42436	7.1	12.0	11.8		105
	6-24-24	41175	6.0	23.0	24.2		98
	6-24-24	41809	6.4	22.7*	21.8*		95*
	6-24-24	42186	5.7	23.0	24.5		98
	6-24-24	42624	5.5	22.2*	24.2		95*
	6-24-24	43053	6.0	23.1	23.8		98
	6-24-24	43228	6.8	23.3	23.8		101
	6-24-24	41980	5.8	22.7*	21.6*		93*
	6-24-24	43073	6.5	22.9	22.6*		97*
	9-10-15	41178	8.2*	11.5	16.7		105
	9-10-15	41183	8.8	11.6	15.2		105
	9-10-15	41888	8.7	10.8	14.8		101
	10-10-10	41179	9.7	10.1	10.5		100
	10-10-10	41180	10.1	9.7	9.8		99
	10-10-10	41380	9.9	9.8	11.4		102
	10-10-10	41562	9.5	10.1	10.0		98
	10-10-10	41652	10.3	10.7	10.1		104
	10-10-10	41684	9.8	9.8	12.2		102
	10-10-10	41730	8.5*	11.9	13.3		107
	10-10-10	41749	9.5	9.0*	11.0		97*
	10-10-10	41767	9.8	9.3	9.9		97*
	10-10-10	41886	10.2	9.4	12.6		105
	10-10-10	41978	9.6	9.8	11.4		100
	10-10-10	42623	10.2	10.3	10.6		103
	10-10-10	43185	9.6	10.4	11.9		103

TABLE 1. (Continued)

KAISER AGRI. CHEM.		LOUISVILLE			KY		
GRADE	NUM	N	APA	POT	XS CL	RV	
10-10-15	41807	9.4	9.4	14.9		95*	
10-10-15	41996	9.7	9.7	16.0		100	
12-12-12	41176	10.3*	12.9	13.5		99	
12-12-12	41182	11.5	12.6	12.6		101	
12-12-12	41566	11.4	12.9	13.5		103	
12-12-12	41825	11.2*	11.8	10.0*		93*	
12-12-12	41983	10.3*	12.3	13.0		96*	
13-13-13	41995	12.9	13.0	14.2		101	
13-13-13	42435	12.7	13.1	13.9		101	
15-10-10	43117	14.9	10.1	9.5		99	
15-15-15	41808	14.5	14.1*	15.5		97*	
28- 0- 0	42769	27.2	0.0	0.0		97	
28- 0- 0	43135	27.3	0.0	0.0		97	
KENTUCKY FERTILIZER WORKS		WINCHESTER			KY		
GRADE	NUM	N	APA	POT	XS CL	RV	
0-20-20	40463	0.0	18.1*	19.9		94*	
0-20-20	40486	0.0	17.1*	19.2		90*	
0-20-20	42141	0.0	20.4	18.3*		98	
0-20-20	42791	0.0	18.8*	20.9		98	
0-20-20	42792	0.0	18.1*	20.8		96*	
4-16- 4	41964	6.0	15.4	4.3		109	
5-10-15	41339	4.8	9.6	16.7		102	
5-10-15	41342	5.0	9.9	14.8		99	
5-10-15	41669	5.3	11.5	15.8		109	
5-10-15	41771	4.5	8.4*	16.9		96*	
5-10-15	42127	5.6	11.7	13.8*		106	
5-10-15	42466	4.0*	8.4*	18.5		97*	
5-20-20	42017	5.8	22.8	16.1*		103	
5-20-20	42018	4.7	19.5	20.1		98	
5-20-20	42020	4.5	18.5*	21.6		97*	
5-20-20	42142	6.3	20.4	14.8*		96*	
5-20-20	41670	5.7	6.2	19.4		103	
6- 6-18	42706	5.4*	6.3	18.9		100	
6- 6-18	42968	10.5	10.7	9.6*		107	
8- 8-12	41772	8.2*	9.6	11.8		95*	
10-10-10	41827	8.6*	9.4	11.3		95*	
10-10-10	42019	9.2*	9.0*	13.0		100	
10-10-10	42140	10.1	11.0	10.8		105	
10-10-10	42467	8.3*	10.1	11.9		97*	
10-10-10	43057	10.5	9.8	18.9*		99	
10-10-20	41340	9.0*	11.5	15.3		94*	
12-12-12	41668	8.9*	11.4	14.8		92*	
18-46- 0	40940	17.4	45.4	0.0		98	
KERR-MCGEE FARM CENTER		CADIZ			KY		
GRADE	NUM	N	APA	POT	XS CL	RV	
6-26-26	40609	5.7	25.9	26.0		99	
9-23-31	42329	9.4	23.3	31.6		102	
15-15-20	42328	14.8	16.0	20.9		103	
20-14-14	42330	20.3	16.2	15.6		103	
KERR-MCGEE CHEMICAL CORP.		CROFTON			KY		
GRADE	NUM	N	APA	POT	XS CL	RV	
6-30-20	42953	6.1	31.1	21.0		101	
15-17-17	42952	16.2	18.5	17.4		103	
18-10-18	43078	18.9	9.7	17.8		102	
18-17-17	42950	17.9	18.1	18.4		101	
21-12-16	43077	21.1	10.9*	16.8		99	

TABLE 1. (Continued)

KERR-MCGEE FARM CENTER		FREDONIA		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
13-10-10	40786	14.9	13.1	11.0				113
20-14-14	42909	21.1	14.5	14.9				102
21-14-14	42075	20.4	15.3	15.5				102
23-11-11	42074	22.1*	11.0	14.5				100
KERR-MCGEE FARM CENTER		GUTHRIE		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
9-23-30	40689	8.4	21.6*	33.0				99
KERR-MCGEE CHEMICAL CORP		OKLAHOMA CITYOK		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
0-30-20	40887	0.0	28.8	21.9				100
13-13-13	40888	12.0*	11.5*	13.5				93*
18-46- 0	40460	18.3	45.6	0.0				100
18-46- 0	41601	17.2	45.3	0.0				97*
18-46- 0	42922	17.8	46.2	0.0				100
KERR-MCGEE FARM CENTER		PEMBROKE		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
6-24-24	42684	5.9	23.7	32.1				110
6-24-24	42686	5.1*	21.9*	33.8				107
6-25-25	42685	6.0	24.6	26.1				97*
6-26-26	42687	5.6*	24.2*	30.4				98
10-25-25	41799	9.9	25.3	27.4				101
10-26-25	40585	10.2	25.8	27.9				101
15-20-20	40584	17.5	25.6	13.4*				106
17-17-17	41798	16.3*	16.4*	22.4				99
17-17-17	41801	17.5	19.2	17.8				102
21-14-14	41800	21.6	11.9*	15.2				99
S. S. KRESGE CO.		TROY		MI		XS	CL	RV
GRADE	NUM	N	APA	POT				
10-10-10	41242	10.2	9.8	10.3				101
10-10-10	42462	10.5	10.0	11.3				105
23- 7- 7	42463	23.9	7.4	8.4				106
LIVINGSTON CO. FARM & HOME SUP		SMITHLAND		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
0-17-36	42496	0.0	19.1	36.3				104
0-17-36	42497	0.0	19.0	36.2				104
9-26-26	42498	9.9	26.9	26.1				102
LIVINGSTON CO. COOP		SMITHLAND		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
0-25-25	42663	0.0	27.1	24.0*				102
LORETTO FEED & FERT.		LORETTO		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
14-16-24	42721	13.6*	15.9	26.4				99
LOUISVILLE SEED CO., INC.		LOUISVILLE		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
10- 0- 0	42650	11.0	0.0	0.0				110
MCCAULEY BROS SEED CO		VERSAILLES		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
6- 6-18	42744	6.5	6.1	18.9				105
9- 8-12	42743	9.6	8.2	13.2				101
10-10-20	42745	9.7	10.2	20.5				100
10-10-30	42482	9.1*	9.7	31.6				99
19- 0-34	42089	18.9	0.0	35.3				99
22- 0-20	42750	20.8*	0.0	22.9				99
26- 0-25	42749	26.3	0.0	26.0				100
MARSHALL CTY SOIL IMP. ASSOC.		BENTON		KY		XS	CL	RV
GRADE	NUM	N	APA	POT				
17-17-17	42346	18.4	17.8	17.4				101

TABLE 1. (Continued)

MARSHALL CTY SOIL IMP. ASSOC.		BENTON		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
20-13-16	42345	20.1	15.5	15.4		103	
24- 9- 9	42344	24.8	11.2	9.6		104	
MAYFIELD MILLING CO.		MAYFIELD		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
3-11-19	42795	6.2	12.8	12.8*		97*	
14- 9-15	42798	16.8	9.5	12.6*		102	
16- 9-13	42796	19.8	8.4*	9.9*		103	
18- 7- 7	42325	18.7	8.4	8.5		104	
MEADE FARMERS SUPPLY		BRANDENBURG		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
6-25-25	41907	7.9	29.0	22.9*		106	
9-22-17	43190	9.8	24.7	16.3		102	
10-25-25	40700	11.1	25.6	25.7		101	
18-18-18	41906	19.1	15.1*	22.6		100	
19-19-19	41908	17.3*	16.5*	23.9		95*	
METCALFE CO. FARMERS SUPPLY		EDMONTON		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
10-10-10	41571	9.1*	9.1*	9.8		93*	
10-10-10	41572	9.4	8.8*	9.8		93*	
10-10-10	41573	8.5*	10.5	10.3		96*	
14-13-13	42310	17.0	15.4	13.5		112	
19-19-19	42309	18.4*	21.1	19.3		101	
19-19-19	42309	18.5	21.1	19.3		101	
MID-OHIO CHEMICAL CO., INC.		MT. STERLING		OH			
GRADE	NUM	N	APA	POT	XS CL	RV	
5-10-10	41039	5.0	10.7	9.4		101	
5-10-10	42132	5.7	11.9	8.4*		108	
10-10-10	42133	10.1	10.7	10.7		104	
12-12-12	42171	10.5*	13.4	10.9*		96*	
MILES FARM SUPPLY		OWENSBORO		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-15-40	40622	0.0	15.4	41.1		103	
0-23-30	40621	0.0	22.5	32.0		102	
0-23-30	42860	0.0	23.7	29.9		101	
4-11-30	40619	4.5	10.7*	34.8		106	
6-15-40	42277	13.3	36.1	13.5*		127	
6-26-26	40620	5.4*	25.0	29.5		101	
9-23-30	42279	10.7	27.5	25.1*		106	
9-23-30	43056	8.6	22.2	31.0		99	
17-17-16	42278	15.6*	12.1*	21.7		94*	
24-11-18	42941	23.3*	13.6	19.5		102	
46- 0- 0	42280	45.8	0.0	0.0		100	
MISSISSIPPI CHEMICAL CORP		YAZOO CITY		MS			
GRADE	NUM	N	APA	POT	XS CL	RV	
8-24-24	40526	7.8	23.5	24.9		100	
8-24-24	41130	8.2	23.0	24.9		100	
13-13-13	40527	13.3	13.2	11.8*		99	
34- 0- 0	40840	34.3	0.0	0.0		101	
34- 0- 0	40975	34.2	0.0	0.0		101	
34- 0- 0	41436	33.2	0.0	0.0		97	
34- 0- 0	41488	33.7	0.0	0.0		99	
34- 0- 0	41863	34.4	0.0	0.0		101	
MONSANTO AGRI CENTER		SLAUGHTERS		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-18-36	42261	0.0	18.2	36.4		101	
0-23-30	42262	0.0	24.0	30.1		102	
5-40-10	42263	4.8	38.6	9.9		96*	

TABLE 1. (Continued)

MONSANTO AGRI CENTER		SLAUGHTERS			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
6-26-26	42265	6.1	26.2	25.9		100
8-17-22	40845	8.5	18.2	17.5*		94*
9-23-30	42266	9.4	24.2	29.8		103
10-20-20	40789	9.5	20.1	20.6		100
17-11-15	42264	17.1	12.2	14.8		102
MOORE-HUTCHESON CO.		MORGANTOWN			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
10-26-25	42510	11.6	29.8	21.8*		104
13-10-10	40614	13.9	11.3	11.5		105
MORRISON FARM SVC		HODGENVILLE			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-11-45	40655	0.0	12.9	42.9*		101
8-20-33	42196	8.5	21.5	33.3		103
10-25-26	42194	10.7	27.9	26.1		105
18-24-15	42195	16.7*	24.0	19.2		98
19-19-19	42193	19.7	20.9	17.8*		102
19-19-19	42197	19.0	20.8	19.5		102
23-16-16	42198	21.7*	17.8	17.5		100
NA-CHURS PLANT FOOD COMPANY		MARION			OH	
GRADE	NUM	N	APA	POT	XS CL	RV
3-18-18	40445	3.6	18.1	18.0		102
3-18-18	40474	3.6	18.3	17.8		103
3-18-18	40485	3.9	21.2	20.9		119
3-18-18	42477	3.4	18.4	18.2		103
9-18- 9	42476	9.2	18.3	9.2		102
10-10-10	42475	10.5	10.6	10.1		104
NORTH AMERICAN FERTILIZER CO.		LOUISVILLE			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
4-16- 4	41686	3.7	17.1	5.0		105
5-10-15	40950	6.1	9.7	14.8		104
5-10-15	41168	5.5	9.3*	16.5		103
5-10-15	41171	6.0	9.9	14.9		104
5-10-15	41255	4.1*	10.6	16.8		102
5-10-15	41259	5.0	9.8	15.4		100
5-10-15	41265	4.0*	9.5	19.4		104
5-10-15	41271	3.8*	9.9	19.5		105
5-10-15	41709	4.4*	10.3	16.5		102
5-10-15	41712	5.2	10.1	15.6		103
5-10-15	42393	6.2	11.8	13.0*		108
5-10-15	42400	4.4*	8.5*	16.9		96*
5-10-15	42627	4.8	10.2	16.5		103
5-10-15	42645	4.8	9.8	16.9		103
5-20-20	40550	4.7	19.4	21.0		99
5-20-20	41251	5.3	21.5	18.1*		102
5-20-20	41254	5.7	21.2	20.0		105
5-20-20	41266	5.6	21.4	18.9*		103
5-20-20	41267	5.1	21.9	17.5*		101
5-20-20	41269	6.2	22.5	17.3*		106
5-20-20	42647	5.2	19.9	19.8		100
5-20-20	43103	5.3	20.0	18.7*		99
6-12-12	40989	5.8	12.0	10.1*		94*
6-24-24	40552	5.4*	23.6	24.0		97*
6-24-24	40946	5.8	24.1	24.4		100
6-24-24	41169	6.4	25.6	21.5*		101
6-24-24	41172	6.3	25.4	20.9*		99
6-24-24	43032	7.3	23.9	20.6*		99
6-24-24	43104	6.4	24.3	23.2		100

TABLE 1. (Continued)

NORTH AMERICAN FERTILIZER CO.		LOUISVILLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
8-32-16	40947	7.7	31.9	15.7		99
9- 9-17	40952	7.4*	7.7*	18.3		92*
9- 9-17	43030	8.6	8.0*	18.6		99
9-10-15	42406	9.3	10.4	14.0*		100
10-10-10	40553	9.3	10.7	9.3		98
10-10-10	40945	10.1	10.0	8.7*		97*
10-10-10	41258	10.3	10.2	10.1		102
10-10-10	41268	10.7	10.4	8.8*		102
10-10-10	41270	10.1	9.8	9.8		100
10-10-10	41682	10.4	10.2	9.8		102
10-10-10	41710	10.1	9.3*	10.9		100
10-10-10	41711	10.2	12.5	7.1*		103
10-10-10	41713	9.7	11.0	9.0*		100
10-10-10	41714	9.4	11.7	8.3*		99
10-10-10	42394	9.8	10.4	9.8		100
10-10-10	42398	12.7	13.4	7.9*		110
10-10-10	42646	10.1	10.4	10.0		101
10-10-10	43102	9.7	10.4	11.0		102
10-10-15	43031	9.7	10.1	15.4		100
12-12-12	40551	11.0*	12.1	13.0		98
12-24-24	40951	11.8	23.6	24.0		99
15-15-15	40554	13.1*	13.3*	15.6		91*
15-15-15	40948	13.6*	15.3	16.8		99
15-15-15	41173	15.7	17.1	11.8*		102
15-15-15	41272	15.1	15.4	14.8		101
18-46- 0	42399	18.0	45.9	0.0		100
19-19-19	40949	18.1	18.5	22.0		101
19-19-19	41170	18.9	19.7	20.0		102
19-19-19	41826	19.3	20.0	19.1		103
19-19-19	42390	18.9	19.6	19.5		101
19-19-19	42395	18.5	19.6	19.8		101
19-19-19	43101	18.0*	21.7	19.1		103
33- 0- 0	41256	33.5	0.0	0.0		100
33- 0- 0	42626	34.2	0.0	0.0		102
OHIO VALLEY FERTILIZER, INC.		MAYSVILLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
5-10-10	40509	4.7	15.2	13.5		130
5-10-15	41638	5.3	10.7	15.0		104
5-10-15	41640	5.3	11.1	14.9		105
5-10-15	41641	5.2	10.8	15.2		104
5-10-15	41822	5.6	11.1	16.1		110
5-10-15	41823	5.5	11.0	15.6		108
5-10-15	42268	4.7	10.1	16.0		102
5-10-15	42272	5.4	10.5	17.4		110
5-10-15	42274	4.8	10.5	16.9		106
5-10-15	42564	5.6	10.1	16.0		106
5-10-15	42568	5.0	10.4	16.9		106
5-10-15	42700	5.5	11.0	15.4		107
5-10-15	43091	4.6	12.6	17.0		112
5-10-15	41503	5.1	10.4	15.3		104
5-20-20	40461	8.6	24.0	12.9*		110
5-20-20	41544	6.4	20.2	22.4		109
5-20-20	41639	7.1	27.9	17.0*		122
5-20-20	41504	7.2	23.9	13.4*		114
10-10-10	41543	10.5	11.0	10.3		108
10-10-10	42273	7.5*	10.8	11.6		95*
10-10-10	42275	8.7*	9.0*	9.3		90*

TABLE 1. (Continued)

OHIO VALLEY FERTILIZER, INC.		MAYSVILLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
10-10-10	42562	10.3	11.3	12.4		111
10-10-10	42563	10.2	11.0	12.3		110
10-10-10	42566	7.4*	11.9	14.6		105
10-10-10	42699	11.7	12.3	13.4		123
10-10-10	43092	6.8*	17.7	14.6		121
10-10-20	41540	9.4	9.7	20.3		97*
10-10-20	41541	9.0*	9.3*	20.2		95*
10-10-20	41542	9.9	10.3	20.5		101
10-10-20	42695	8.6*	9.4	23.3		99
10-10-20	43093	8.4*	8.8*	19.5		90*
12-12-12	42567	9.5*	11.4	13.0		91*
12-12-12	42696	12.7	12.7	12.9		106
13-13-13	42565	11.2*	12.3	14.6		95*
19-19-19	42694	11.0*	11.4*	29.0		80*
OLIN CORP.		LITTLE ROCK		AR		
GRADE	NUM	N	APA	POT	XS CL	RV
6-24-24	41118	6.4	24.2	25.2		103
6-24-24	42007	6.8	23.5	25.9		104
ROBERT B. PETERS, INC.		ALLENTOWN		PA		
GRADE	NUM	N	APA	POT	XS CL	RV
9-45-15	40912	9.4	46.9	13.8*		102
20-20-20	43231	19.9	20.8	19.1		100
PHELPS FARM SERVICE		PADUCAH		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
0-23-30	42813	0.0	22.8	30.0		100
21-15-20	42811	21.0	13.6*	21.6		98
21-17-17	42812	21.2	18.5	17.6		100
22-16-17	42810	20.3*	16.2	20.3		98
24-13-17	42814	22.7*	13.4	18.8		97*
PLANT FOODS, INC.		MAYFIELD		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
16- 8-15	42494	16.3	9.4	13.5*		98
18- 9- 8	42327	18.0	9.8	10.2		101
POOLE MILLING CO.		POOLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
13-24-21	42851	11.0*	18.3*	26.5		90*
POORES FERT & CHEMICALS INC		ALBANY		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
5-10-15	41448	5.9	9.1*	16.0		103
5-10-15	41789	4.8	8.9*	17.7	*	101
5-10-15	42243	4.8	9.4	16.8	*	101
8- 8- 8	41449	8.3	7.4*	9.9		101
10-10-10	41446	8.9*	9.0*	12.5		97*
10-10-10	41790	9.4	9.2*	11.5		98
10-10-10	42244	9.4	9.4	11.6		99
10-10-10	42657	8.3*	8.0*	12.5		91*
10-10-10	41451	11.1	10.3	10.9		108
10-10-15	41788	9.9	10.0	15.5		100
10-10-15	42656	9.9	9.7	14.8		98
12-24-24	41447	11.5	21.2*	26.2		97*
12-24-24	41890	12.4	23.4	24.9		101
15-15-15	42245	12.7*	14.0*	16.8		93*
15-15-15	42598	12.9*	13.8*	20.8		100
15-15-15	42925	15.1	11.3*	14.8		92*
15-15-15	41450	14.9	15.8	17.8		105
15-15-15	42772	13.4*	11.7*	19.7		95*

TABLE 1. (Continued)

PRICES MILL FARM SUPPLY		FRANKLIN		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
7-18-30	41951	7.8	19.9	29.8			105
12-32-18	41952	13.2	33.3	18.9			103
PRINCETON GRAIN & SUPPLY CO.		PRINCETON		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
5-14-18	42071	7.9	11.4*	17.8			103
6-18-24	43119	6.9	19.1	24.2			101
10-20-15	42072	10.0	19.6	15.5			100
12- 8-12	42959	10.9*	9.4	13.3			103
12-12- 9	42907	13.0	12.4	9.3			100
15- 9- 9	42960	12.1*	15.9	8.9			108
16-10-10	42532	16.7	9.9	10.4			103
17- 7-10	42908	17.2	7.1	10.9			100
17-10-10	42073	17.1	9.8	10.7			101
RHODES FEED MILL		MAYFIELD		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
22-12-12	42005	20.4*	12.1	13.5			96*
23-12-11	42014	23.4	14.4	11.0			104
RICH POND CROP SERVICE		BOWLING GREEN		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
0-26-25	42219	0.0	25.6	26.8			100
6-26-26	42221	5.6*	23.9*	27.3			95*
ROYSTER COMPANY		NORFOLK		VA			
GRADE	NUM	N	APA	POT	XS	CL	RV
33- 0- 0	40430	34.3	0.0	0.0			102
33- 0- 0	41667	33.8	0.0	0.0			101
RUDDOLPH FARM SUPPLY		SALEM		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
9-23-30	42495	8.9	22.7	30.1			99
9-23-30	42817	8.9	23.3	31.0			102
9-23-30	43176	9.4	24.0	29.4			102
10-26-10	40675	11.0	27.2	10.6			104
11-29-21	42818	11.7	30.9	20.5			102
WILLIAM RUDY & SON		BANDANA		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
0-14-40	42991	0.0	16.2	39.8			103
0-26-24	42988	0.0	27.4	24.9			104
8-18-27	42807	9.0	17.2	28.2			100
22-13-20	42989	21.6	13.2	22.0			100
27-13-13	42806	26.6	13.6	14.7			100
SACRAMENTO FEED MILL, INC.		SACRAMENTO		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
0-11-45	40749	0.0	10.8	46.3			100
0-15-40	43075	0.0	14.0*	43.0			102
5-20-20	43055	5.3	22.0	22.6			110
5-20-30	43076	5.1	21.5	28.8			102
6-24-24	42298	5.0*	22.0*	25.8			95*
9-23-30	42297	7.6*	20.1*	34.8			97*
12-12-12	40629	13.1	13.7	13.5			104
SCHOCHON CROP SERVICE		RUSSELLVILLE		KY			
GRADE	NUM	N	APA	POT	XS	CL	RV
0-26-25	42437	0.0	26.1	27.0			102
4-14-13	42438	5.1	14.9	13.0			104
O. M. SCOTT & SONS		MARYSVILLE		OH			
GRADE	NUM	N	APA	POT	XS	CL	RV
26- 3- 3	41245	26.4	3.1	3.4			102

TABLE 1. (Continued)

SEBREE FEED & GRAIN, INC.		SEBREE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
9- 5- 9	43051	10.1	5.9	9.8		101
SEWERAGE COM., CITY MILWAUKEE		MILWAUKEE		WI		
GRADE	NUM	N	APA	POT	XS CL	RV
6- 2- 0	43017	6.9	2.0	0.0		112
SEYMOUR CHEMICAL COMPANY		SEYMOUR		IN		
GRADE	NUM	N	APA	POT	XS CL	RV
0-15-40	43049	0.0	14.7	41.1		101
5-10-15	41910	5.6	10.1	14.8		103
5-20-20	42648	5.4	20.6	19.8		103
6-24-24	43048	6.7	26.0	22.8*		104
12-12-12	41911	12.3	12.4	12.4		103
12-12-12	42059	12.3	12.6	12.6		104
SHAKER FARM CENTER, INC.		SOUTH UNION		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
0-20-30	40455	0.0	21.7	28.6*		101
16-16-20	43026	15.6*	3.6*	27.1		81*
SHOCKLEES FARM SUPPLY		UTICA		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
9- 8-12	43068	14.1	22.9	7.4*		161
9-23-30	42892	3.6*	22.4	31.1		87*
9-23-30	42893	2.2*	16.9*	37.5		81*
9-23-30	43067	8.4	23.0	30.9		100
9-29- 9	42894	4.4*	27.8*	13.7		88*
SIERPA CHEMICAL COMPANY		MILPITAS		CA		
GRADE	NUM	N	APA	POT	XS CL	RV
14-14-14	41834	14.4	14.2	14.3		102
SMITH-DOUGLAS DIV		RUSSELLVILLE		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
0- 0-60	40454	0.0	0.0	60.3		100
0- 0-60	40820	0.0	0.0	60.8		101
0- 0-60	42921	0.0	0.0	56.7*		94*
0-46- 0	40452	0.0	45.8	0.0		100
0-46- 0	40490	0.0	45.4	0.0		99
0-46- 0	40821	0.0	44.9	0.0		98
0-46- 0	40919	0.0	45.0	0.0		98
5-10-15	41313	5.7	10.9	13.3*		104
5-10-15	41335	6.5	10.2	14.8		107
5-10-15	41984	6.4	10.5	14.8		108
5-10-15	42192	7.1	11.6	13.3*		112
5-10-15	42639	6.1	10.2	15.1		106
5-10-15	42895	6.3	14.0	17.5	*	128
5-10-15	43069	5.6	9.5	16.5		105
5-20-20	40615	4.7	25.7	16.3*		107
5-20-20	40688	5.9	24.0	16.8*		107
5-20-20	41321	6.0	22.6	19.9		110
5-20-20	41333	6.0	23.4	19.8		111
5-20-20	41761	4.9	19.2	19.8		97*
5-20-20	41941	5.5	27.1	16.9*		114
5-20-20	41985	5.5	24.7	21.8		116
5-20-20	43137	5.9	18.8*	20.4		101
6-12-12	41902	7.6	12.8	13.5		114
6-12-12	41957	7.6	16.3	11.8		122
6-12-12	42530	7.9	12.8	13.1		114
6-12-18	42640	6.8	12.2	18.6		105
6-12-18	42314	6.5	12.6	18.2		104
6-21-18	42616	6.3	20.3	18.1		99
6-21-18	42638	6.2	20.8	18.9		101

TABLE 1. (Continued)

SMITH-DOUGLAS DIV GRADE	NUM	RUSSELLVILLE KY			XS CL	RV
		N	APA	POT		
6-24-24	40449	6.4	23.1	26.5		103
6-24-24	40466	6.2	22.9	23.5		97*
6-24-24	40473	6.3	23.6	24.7		101
6-24-24	40483	5.8	21.6*	23.4		93*
6-24-24	41316	7.1	19.6*	18.0*		85*
6-24-24	41955	6.5	21.8*	26.8		101
6-24-24	42220	6.6	22.6*	24.7		100
6-24-24	42615	6.5	21.9*	27.7		102
6-24-24	42641	6.5	22.2*	26.8		101
6-24-24	42763	5.9	22.3*	23.8		96*
6-24-24	40475	5.3*	26.0	21.6*		99
6-24-24	40533	5.6	23.7	24.6		99
6-24-24	40559	6.2	24.3	24.4		101
6-24-24	40601	6.4	23.9	24.5		102
6-24-24	40816	6.1	25.9	23.8		104
6-24-24	40838	6.7	26.2	23.2		105
6-24-24	40983	5.9	22.7*	23.8		97*
6-24-24	41027	5.7	24.0	25.2		101
6-24-24	41028	6.4	23.4	24.7		101
6-24-24	41528	5.7	23.8	25.3		101
6-24-24	41953	6.2	22.5*	26.5		101
6-24-24	42193	6.2	22.0*	26.4		100
6-24-24	42226	6.1	22.9*	25.5		100
6-24-24	43071	6.5	28.1	21.5*		106
10-10-10	40484	10.4	10.3	10.7		104
10-10-10	40817	10.2	10.9	10.0		104
10-10-10	41312	11.6	11.4	12.3		117
10-10-10	41334	12.8	13.4	11.8		128
10-10-10	41901	11.2	10.8	10.5		109
10-10-10	40846	10.8	10.2	10.5		105
10-10-10	40910	10.0	12.0	12.4		112
10-10-10	43070	9.7	9.4	12.5		102
15-15-15	42527	17.0	13.8*	15.3		104
16- 8- 8	40418	15.1*	7.9	9.3		99
16- 8- 8	40539	14.2*	7.8	11.1		98
16- 8- 8	40569	14.1*	10.8	10.4		106
16- 8- 8	40616	14.0*	8.9	10.5		99
16- 8- 8	40687	14.4*	10.6	10.4		106
16- 8- 8	41561	14.0*	7.9	11.3		98
16- 8- 8	41760	13.7*	10.5	9.8		102
16- 8- 8	41942	14.1*	8.5	9.8		98
16- 8- 8	42440	14.0*	11.5	9.9		106
16- 8- 8	43204	14.3*	10.0	9.3		102
18-46- 0	40453	16.9*	46.7	0.0		99
18-46- 0	40822	17.9	46.8	0.0		101
18-46- 0	40847	16.1*	42.9*	0.0		92*
18-46- 0	40920	17.8	46.6	0.0		100
18-46- 0	41023	16.1*	42.3*	0.0		91*
18-46- 0	41481	18.0	46.5	0.0		101
18-46- 0	41511	16.6*	44.2*	0.0		95*
18-46- 0	41777	17.9	46.5	0.0		101
18-46- 0	42227	17.6	45.9	0.0		99
18-46- 0	43144	17.5	46.0	0.0		99
28- 0- 0	43001	27.7	0.0	0.0		99
28- 0- 0	43023	26.9	0.0	0.0		96
33- 0- 0	40992	33.7	0.0	0.0		100
33- 0- 0	40991	33.9	0.0	0.0		101

TABLE 1. (Continued)

SMITHS GROVE FERTILIZER CO		SMITHS GROVE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
8-31- 0	41461	7.9	32.9	0.0		102
15-15-14	41462	17.1	12.3*	12.9*		97*
15-15-15	41464	14.4	14.4	15.5		97*
16-11-15	41463	18.4	10.0*	15.0		101
SOUTHERN STATES COOP., INC.		CHESAPEAKE VA				
GRADE	NUM	N	APA	POT	XS CL	RV
5-10-10	41051	5.2	10.3	10.8		105
SOUTHERN STATES COOP., INC.		RICHMOND VA				
GRADE	NUM	N	APA	POT	XS CL	RV
0- 0-50	40538	0.0	0.0	50.5		101
0- 0-50	40704	0.0	0.0	51.7		103
0- 0-50	40981	0.0	0.0	51.5		103
0- 0-60	40654	0.0	0.0	60.8		101
0- 0-60	40661	0.0	0.0	60.4		101
0-44- 0	40496	0.0	43.7	0.0		99
0-44- 0	40662	0.2	42.4	0.5		96
0-44- 0	40805	0.0	43.4	0.0		99
5-10-15	40663	4.4*	8.2*	18.0		98
10-10-10	41011	10.0	10.1	11.3		103
16- 4- 8	40571	15.8	4.7	8.1		102
18-46- 0	40653	17.3	46.1	0.0		99
18-46- 0	40660	17.8	47.0	0.0		101
18-46- 0	40806	17.8	46.8	0.0		101
28- 0- 0	41921	29.0	0.0	0.0		104
28- 0- 0	41933	28.4	0.0	0.0		101
28- 0- 0	42964	28.6	0.0	0.0		102
28- 0- 0	43043	28.0	0.0	0.0		100
28- 0- 0	43043	28.0	0.0	0.0		100
28- 0- 0	43136	28.7	0.0	0.0		102
28- 0- 0	43215	28.5	0.0	0.0		102
46- 0- 0	40659	45.3	0.0	0.0		98
SOUTHERN STATES COOP., INC.		LOUISVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
0-12-40	41189	0.0	10.8*	40.6		98
0-25-25	40980	0.0	28.9	20.6*		102
4-16- 4	40557	4.3	15.7	6.1		106
4-16- 4	40748	3.9	16.2	4.5		102
4-16- 4	40782	4.1	16.4	4.4		103
4-16- 4	40797	4.1	15.7	4.6		101
4-16- 4	40804	3.9	16.4	4.6		103
4-16- 4	40834	4.3	16.0	4.7		103
4-16- 4	40867	4.2	16.8	4.0		104
4-16- 4	40918	4.6	17.2	4.5		110
4-16- 4	40924	4.0	17.3	4.3		106
4-16- 4	40967	4.2	15.8	4.5		101
4-16- 4	41035	3.9	15.8	4.4		100
4-16- 4	41185	4.6	16.4	5.5		109
4-16- 4	41232	4.3	16.4	4.5		105
4-16- 4	41238	4.4	16.0	4.5		103
5-10-15	40783	4.9	9.3*	16.7		101
5-10-15	40854	6.0	10.5	15.7		108
5-10-15	40891	4.8	8.8*	16.4		98
5-10-15	40923	5.2	9.6	15.3		100
5-10-15	40979	5.7	11.2	14.8		107
5-10-15	41006	5.6	10.3	14.9		104
5-10-15	41036	5.0	8.9*	17.1		101
5-10-15	41041	5.8	11.9	15.8		113

TABLE 1. (Continued)

SOUTHERN STATES COOP., INC.		LOUISVILLE		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
5-10-15	41138	4.7	8.9*	21.3		110	
5-10-15	41159	5.6	10.4	17.3		110	
5-10-15	41184	4.6	9.0*	16.4		98	
5-10-15	41187	5.0	9.6	15.8		100	
5-10-15	41368	5.7	11.3	16.0		111	
5-10-15	41406	5.1	10.8	16.6		108	
5-10-15	41889	6.4	11.5	13.7*		109	
5-10-15	41963	5.4	10.5	16.5		107	
5-10-15	42027	5.7	11.0	14.8		107	
5-10-15	42084	4.4*	8.7*	16.8		96*	
5-10-15	42269	5.4	10.3	15.9		105	
5-10-15	42782	4.8	9.7	16.7		102	
5-10-15	42927	4.5*	8.8*	16.8		97*	
5-10-15	43107	5.4	10.5	16.4		107	
5-10-15	43134	4.7	9.1*	16.5		99	
5-10-15	43165	3.7*	6.8*	17.2		87*	
5-20-20	40894	5.5	21.0	18.4*		101	
5-20-20	41001	4.3*	17.2*	12.9*		79*	
5-20-20	41100	5.2	20.0	21.1		102	
5-20-20	41110	4.4*	15.4*	28.9		101	
5-20-20	41257	5.5	20.9	20.5		105	
5-20-20	41404	5.6	21.0	19.9		104	
5-20-20	41919	6.0	22.5	18.4*		107	
5-20-20	42025	4.6	17.8*	23.9		100	
5-20-20	42173	6.2	21.8	18.1*		105	
5-20-20	43106	5.5	21.3	19.0*		103	
6-12-12	40643	7.2	11.8	14.0		110	
6-12-12	40892	6.0	10.8*	10.6*		92*	
6-12-12	40998	5.6	10.9*	11.1*		92*	
6-12-12	41190	6.1	12.2	13.1		104	
6-12-12	42024	6.3	12.6	12.6		105	
10-10-10	40498	10.0	13.6	11.7		116	
10-10-10	40558	9.6	10.0	9.8		98	
10-10-10	40644	10.1	9.2*	9.3*		96*	
10-10-10	40646	8.9*	10.2	15.8		109	
10-10-10	40667	10.3	10.0	9.8		101	
10-10-10	40699	9.9	10.0	11.8		103	
10-10-10	40809	10.8	10.0	8.0*		99	
10-10-10	40826	9.9	10.2	10.8		102	
10-10-10	40827	10.4	10.4	8.7*		100	
10-10-10	40863	10.1	9.5	9.8		98	
10-10-10	40893	10.3	10.5	10.2		103	
10-10-10	40925	10.3	11.0	9.6		103	
10-10-10	40966	8.7*	8.2*	11.2		91*	
10-10-10	41000	9.8	11.2	9.7		102	
10-10-10	41065	10.4	9.4	11.8		104	
10-10-10	41099	10.4	11.4	9.3*		105	
10-10-10	41109	10.3	9.5	11.6		103	
10-10-10	41139	8.7*	10.6	10.0		96*	
10-10-10	41186	10.2	9.0*	17.4		114	
10-10-10	41188	10.6	11.0	9.8		106	
10-10-10	41405	10.1	10.6	10.6		104	
10-10-10	41628	9.0*	10.2	9.9		96*	
10-10-10	41676	11.1	9.9	12.8		111	
10-10-10	42026	9.3	11.1	9.8		100	
10-10-10	42139	10.3	11.0	11.0		107	
10-10-10	42271	10.3	10.9	8.0*		100	

TABLE 1. (Continued)

SOUTHERN STATES COOP., INC.		LOUISVILLE			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
10-10-10	42292	9.9	11.6	8.8*			102
10-10-10	42294	10.3	9.4	8.4*			95*
10-10-10	42405	10.3	10.4	11.2			105
10-10-10	42411	7.2*	8.9*	7.5*			79*
10-10-10	42783	8.5*	9.8	9.9			92*
10-10-10	43105	9.4	11.2	9.7			101
10-10-10	43184	9.3*	10.7	8.7*			96*
10-10-10	43205	8.8*	9.7	9.9			93*
12-12-12	41920	10.6*	12.1	11.9			95*
12-12-12	42403	12.0	12.8	12.9			104
15-15-15	41111	15.2	16.2	13.9*			102
15-15-15	41137	15.0	15.8	14.1*			100
15-15-15	42172	14.7	14.8	16.5			101
SOUTHERN STATES COOP., INC.		RUSSELLVILLE			KY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-44- 0	40986	0.0	42.9	0.0			97
0-46- 0	40600	0.0	43.3*	0.0			94*
4-16- 4	40851	4.3	16.0	4.5			103
4-16- 4	41124	4.8	16.2	4.4			106
5-10-15	40598	5.5	10.2	15.2			104
5-10-15	40868	5.5	10.2	16.6			107
5-10-15	40928	4.7	9.3*	16.3			99
5-10-15	40956	5.2	9.9	15.0			100
5-10-15	40958	5.0	9.7	15.8			100
5-10-15	40978	4.9	10.5	14.4			100
5-10-15	41126	5.1	10.6	14.9			102
5-10-15	41148	4.9	10.3	14.8			100
5-10-15	41160	5.7	10.0	15.3			104
5-10-15	41200	5.5	9.5	16.1			103
5-10-15	41222	4.9	10.3	15.1			101
5-10-15	41231	5.3	10.1	16.8			106
5-10-15	41301	5.0	9.8	14.8			99
5-10-15	41600	5.2	9.3*	16.1			101
5-10-15	41717	5.5	9.8	16.6			106
5-10-15	41992	5.2	10.1	15.0			101
5-10-15	42120	5.9	9.6	14.9			103
5-10-15	42137	4.7	8.9*	20.1			107
5-10-15	42270	5.3	10.0	16.1			104
5-10-15	42456	4.7	9.5	17.0			101
5-10-15	42697	6.0	10.2	15.1			105
5-10-15	43123	5.4	9.9	15.8			103
5-10-15	43192	5.3	9.8	15.6			102
5-10-15	41020	5.1	10.7	13.3*			99
5-10-15	42511	5.3	9.8	15.6			102
5-10-15	42774	5.0	9.7	15.7			101
5-10-15	42837	5.5	9.8	15.9			104
5-20-20	40479	4.7	19.6	19.8			98
5-20-20	40605	5.1	19.3	19.7			98
5-20-20	40850	5.4	18.5*	21.5			100
5-20-20	40869	5.7	19.7	20.0			102
5-20-20	40927	5.1	18.7*	21.0			99
5-20-20	40955	5.1	19.3	21.0			100
5-20-20	41133	5.6	19.8	19.7			101
5-20-20	41221	5.6	20.0	20.3			102
5-20-20	41228	5.6	19.8	20.0			102
5-20-20	41307	5.2	18.5*	21.1			99
5-20-20	41022	5.4	19.8	20.0			101

TABLE 1. (Continued)

SOUTHERN STATES COOP., INC.		RUSSELLVILLE KY			XS CL	RV
GRADE	NUM	N	APA	POT		
6-12-12	40724	6.3	11.3	13.8		103
6-12-12	40957	6.6	11.6	13.3		104
6-12-12	41230	6.8	11.5	13.1		105
6-12-12	42287	6.2	11.3	14.7		104
6-12-18	42599	6.2	12.2	17.2		100
6-24-24	40757	6.2	20.6*	23.8		93*
6-24-24	40835	6.4	19.2*	24.6		92*
6-24-24	40902	6.0	22.5*	25.6		99
6-24-24	40914	5.8	23.2	25.5		100
6-24-24	40960	5.9	22.4*	25.0		98
6-24-24	41131	5.9	23.6	25.6		101
6-24-24	41135	5.9	23.9	24.3		100
6-24-24	41294	6.1	23.3	24.5		100
6-24-24	41302	6.2	24.4	22.9		100
6-24-24	41522	6.0	24.2	23.0		99
6-24-24	41651	5.9	25.2	25.3		104
6-24-24	43052	6.8	24.7	24.0		104
6-24-24	40984	6.2	24.5	21.7*		99
6-24-24	42512	5.8	23.5	25.4		100
10-10-10	40425	10.0	10.5	10.8		104
10-10-10	40532	9.9	10.4	10.5		102
10-10-10	40729	10.4	9.9	10.5		102
10-10-10	40833	10.0	9.9	11.1		102
10-10-10	40906	10.5	9.8	10.6		103
10-10-10	40929	9.7	10.7	11.6		104
10-10-10	40931	9.8	10.2	10.5		101
10-10-10	40953	10.2	9.6	11.3		102
10-10-10	40954	10.3	9.7	11.0		102
10-10-10	40959	10.6	10.3	12.3		109
10-10-10	41134	10.3	9.3	11.4		102
10-10-10	41151	10.5	9.9	10.5		103
10-10-10	41161	10.5	9.9	10.6		103
10-10-10	41201	10.2	10.4	9.8		102
10-10-10	41220	10.1	10.3	9.8		101
10-10-10	41229	10.1	10.8	9.9		103
10-10-10	41599	10.0	9.2*	11.3		100
10-10-10	42119	9.8	10.6	10.2		101
10-10-10	43122	10.3	10.8	11.9		108
10-10-10	43178	8.3*	13.1	14.7		113
10-10-10	43199	11.3	11.3	11.8		114
12-12-12	40604	11.3	12.1	12.4		98
12-12-12	40756	11.7	12.7	12.8		102
12-12-12	40849	12.4	14.0	13.1		109
12-12-12	40917	12.8	11.1*	13.0		102
12-12-12	41091	11.7	13.7	12.7		105
12-12-12	41199	12.4	12.4	13.0		104
12-12-12	41305	11.8	11.8	12.1		99
12-12-12	41990	12.1	13.0	13.6		106
18-18-18	40909	17.9	18.8	17.9		101
18-18-18	41043	17.8	19.8	17.4		102
18-18-18	41123	18.1	17.1	19.8		101
18-18-18	41293	17.1*	17.3	20.8		100
18-46- 0	40599	17.7	46.6	0.0		100
18-46- 0	40985	17.8	46.5	0.0		100
34- 0- 0	41021	34.0	0.0	0.0		99
34- 0- 0	41607	33.6	0.0	0.0		97

TABLE 1. (Continued)

SOUTHERN STATES COOP., INC.		WINCHESTER		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-25-25	41046	0.0	29.4	21.9*		105	
5-10-15	40478	5.1	9.5	13.3*		94*	
5-10-15	40944	5.4	9.8	15.8		103	
5-10-15	41349	5.2	10.4	16.7		107	
5-10-15	41416	4.9	9.5	16.1		100	
5-10-15	41535	5.7	10.6	15.8		108	
5-10-15	41967	5.9	10.8	15.5		109	
5-10-15	42121	5.8	10.9	15.5		108	
5-10-15	42470	5.2	10.5	16.5		107	
5-10-15	43130	15.4	16.4	13.6*	*	173	
5-10-15	43168	6.0	10.6	15.0		107	
5-10-15	43173	5.7	10.2	15.7		106	
5-20-20	40424	7.0	22.6	15.7*		106	
5-20-20	40462	5.1	20.3	19.8		100	
5-20-20	40508	5.3	20.4	19.1		100	
5-20-20	40525	4.8	20.1	18.3*		96*	
5-20-20	40570	6.0	20.2	19.0*		102	
5-20-20	40572	5.3	20.7	19.8		102	
5-20-20	40733	5.2	19.9	23.9		107	
5-20-20	40941	5.9	20.7	18.9*		103	
5-20-20	41147	4.9	19.5	20.4		99	
5-20-20	41166	5.1	20.6	20.4		102	
5-20-20	41553	5.5	20.4	18.5*		100	
5-20-20	41929	5.8	21.3	16.5*		100	
5-20-20	42103	5.3	21.0	18.8*		101	
5-20-20	42136	5.9	22.3	19.7		108	
5-20-20	42569	6.2	21.5	18.6*		105	
5-20-20	42693	5.3	20.5	20.4		103	
5-20-20	43175	5.5	21.1	21.0		106	
6- 6-18	41673	5.5	6.0	19.9		103	
6- 6-18	42293	5.4*	5.7	21.6		105	
6- 6-18	42407	5.9	6.2	19.0		103	
6-12-12	41038	5.9	11.8	10.5*		95*	
6-12-12	41040	5.8	12.2	10.1*		95*	
6-12-12	41418	6.4	13.4	9.8*		102	
6-12-12	41768	6.1	12.1	10.3*		97*	
6-24-24	41037	8.0	21.7*	19.3*		94*	
8-10-15	41348	7.5	10.7	16.7		104	
8-10-15	42570	7.5	10.3	16.7		102	
10-10-10	40465	7.9*	10.0	8.7*		88*	
10-10-10	40573	9.8	10.7	10.0		101	
10-10-10	40576	9.8	9.7	9.9		98	
10-10-10	40732	11.0	10.0	10.1		104	
10-10-10	40942	8.6*	10.9	11.7		101	
10-10-10	41007	9.8	9.5	11.1		100	
10-10-10	41167	9.9	10.9	9.9		102	
10-10-10	41417	9.8	11.0	8.7*		99	
10-10-10	41674	10.4	7.2*	8.4*		89*	
10-10-10	41769	8.1*	9.5	23.1		119	
10-10-10	41962	10.6	10.5	9.9		104	
10-10-10	41968	9.5	11.5	9.8		102	
10-10-10	42724	10.3	10.0	9.9		101	
10-10-10	43132	9.9	10.0	11.5		103	
10-10-10	43222	10.7	13.3	13.1		121	
10-10-20	41165	10.1	8.3*	23.0		101	
12-12-12	40575	11.9	10.7*	10.8*		94*	
12-12-12	42104	11.4	12.0	12.8		99	

TABLE 1. (Continued)

SOUTHERN STATES COOP., INC.		WINCHESTER		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
12-12-12	43131	10.7*	13.2	11.9			98
15-15-15	43167	14.3	15.4	14.8			99
S.S. BARDSTOWN COOP.		BARDSTOWN		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
6-24-24	41675	6.8	25.4	24.8			105
9-25-25	42364	11.0	28.9	21.4*			104
19- 7-16	42751	19.5	8.5	17.4			101
19-17-15	42365	20.0	16.6	15.1			100
19-19-19	42753	18.9	20.2	19.2			100
20- 9-14	42752	21.0	10.5	14.2			102
29-26- 0	42369	31.4	23.7*	0.0			100
S. S. BOYLE COOP.		DANVILLE		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-16-32	42112	0.0	17.6	33.3			102
7- 7-11	42110	8.5	9.0	10.8			109
7-18-27	43040	9.7	19.0	27.1			109
9-18-27	43039	9.5	18.3	28.7			102
11- 0-39	41662	12.0	0.0	38.2			100
19-19-19	42111	19.9	19.7	19.0			101
SS BOWLING GREEN COOP		BOWLING GREENKY				XS CL	RV
GRADE	NUM	N	APA	POT			
16-16- 8	41779	18.4	13.0*	8.7			97*
18-18-18	41940	18.2	19.7	20.0			102
25-14-14	42225	25.2	15.4	15.0			101
S. S. BRECK COOP.		HARDINSBURG		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
6-25-26	42208	6.3	25.4	26.7			100
12-23-23	42206	12.0	23.6	25.1			101
17-17-17	42207	17.1	17.2	19.1			99
19-11-17	42209	18.2*	12.7	14.4*			94*
22-12-12	42210	22.6	11.6	12.0			98
S.S. COOP-CALDWELL SERVICE		PRINCETON		KY		XS CL	RV
GRADE	NUM	N	APA	POT			
0-21-28	40785	0.0	20.7	29.6			101
0-29-20	42076	0.0	33.1	15.9*			102
0-29-20	42906	0.0	31.1	18.8*			102
6-25-25	40784	6.7	26.5	25.9			102
6-25-25	42903	6.5	27.3	25.9			103
6-25-25	43120	6.2	26.0	25.8			100
10-26-24	42070	10.5	27.4	25.3			101
10-26-24	42904	11.2	28.2	23.6*			102
17-17-17	40565	18.6	17.7	16.0*			99
17-17-17	43208	17.9	18.8	17.7			102
23-11-11	42905	24.4	11.6	10.9*			102
S. S. CAMPBELLSVILLE COOP.		CAMPBELLSVILLEKY				XS CL	RV
GRADE	NUM	N	APA	POT			
5-23-23	42324	6.6	23.3	24.2			101
8-15-29	42637	8.6	16.2	30.2			102
14-21-21	42323	15.2	20.6	20.6			99
17-17-17	42635	17.4	17.5	17.9			98
19-19-19	42636	18.1*	20.3	19.5			99
S. S. BULLITT COOP.		SHEPHERDSVILLEKY				XS CL	RV
GRADE	NUM	N	APA	POT			
0-25-25	42374	0.0	26.4	24.4			101
4-32- 8	42377	4.5	32.4	8.8			101
6-25-25	42375	26.3	17.6*	12.5*			118
19-19-19	42372	17.9*	18.9	22.3			99

TABLE 1. (Continued)

S. S. BULLITT COOP.		SHEPHERDSVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
19-19-19	42378	19.0	20.0	19.5		100
27-13-13	42376	27.5	14.2	13.1		101
31-10-10	42373	31.3	10.9	10.6		100
S.S. CARLISLE COOP		CARLISLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
7-14-22	42775	6.7*	15.3	23.2		100
10-13-19	42779	9.4*	13.1	21.0		99
12-12-18	42778	11.3*	12.9	19.4		101
14-14-14	42777	13.9	15.9	14.6		101
16-18-4	42776	15.9	18.8	5.3		100
S.S. CLARK COOP		WINCHESTER KY				
GRADE	NUM	N	APA	POT	XS CL	RV
7-14-22	42865	7.2	15.6	23.8		104
9-18-29	43058	1.8*	19.1	29.6		82*
14-10-16	42868	16.7	10.5	14.1*		103
16-10-12	42866	16.6	12.2	12.8		102
16-12-18	42867	16.6	12.3	20.1		101
17-17-17	42864	17.5	18.2	17.7		100
S.S. COOP. CLAY PETROL SVC.		CLAY KY				
GRADE	NUM	N	APA	POT	XS CL	RV
6-25-25	42304	6.3	27.1	25.2		101
6-25-26	42847	6.6	26.3	26.0		102
9-23-30	42846	9.1	22.9	29.8		100
9-23-30	42848	8.9	23.2	29.8		100
12-12-12	40590	12.8	13.5	15.5		110
15-14-14	40744	15.9	14.4	16.6		104
S.S. CYNTHIANA COOP.		CYNTHIANA KY				
GRADE	NUM	N	APA	POT	XS CL	RV
8-0-44	41820	8.2	0.0	45.5		100
9-10-39	42469	9.5	9.8	40.2		100
11-7-23	42468	11.0	7.0*	23.6		96*
19-19-19	42634	20.9	18.1*	19.1		101
30-0-5	42633	30.6	0.0	5.8		102
S.S. FLEMINGSBURG COOP		FLEMINGSBURG KY				
GRADE	NUM	N	APA	POT	XS CL	RV
17-14-21	42692	16.8*	14.9	21.8		99
19-19-19	42688	18.6	20.3	20.0		100
19-19-19	42689	18.4*	19.9	20.6		100
19-19-19	42691	17.9*	18.6	22.1		98
27-13-13	42690	27.7	13.4	13.6		101
S.S. GLASGOW COOP		GLASGOW KY				
GRADE	NUM	N	APA	POT	XS CL	RV
6-23-24	41286	6.2	24.4	23.8		101
6-25-26	40537	6.4	26.0	23.9*		97*
6-25-26	41284	6.2	25.5	27.0		100
14-14-14	41288	15.2	15.0	13.0*		104
18-16-16	41282	18.6	16.7	16.7		99
S.S. COOP., INC. GRAVES SER.		MAYFIELD KY				
GRADE	NUM	N	APA	POT	XS CL	RV
0-22-30	42153	0.0	22.4	29.9		101
0-22-30	43182	0.0	21.2	31.7		101
4-22-30	43181	4.5	23.4	29.0		100
27-12-14	42152	27.1	11.5*	15.7		100
S.S. GRAYSON COOP		GRAYSON KY				
GRADE	NUM	N	APA	POT	XS CL	RV
0-25-25	42123	0.0	24.3	27.8		101
0-25-25	42124	0.0	24.8	26.4		100

TABLE 1. (Continued)

S.S. GRAYSON COOP		GRAYSON			KEY	XS CL	RV
GRADE	NUM	N	APA	POT			
5-22-21	42789	5.7	25.9	19.9*			105
7-16-22	42790	7.5	17.3	23.0			102
11-14-20	42788	11.6	15.0	21.4			102
S. S. GREENVILLE SERVICE		GREENVILLE			KEY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-24-26	42914	0.0	25.5	26.2			102
10-27-14	42915	9.8	28.4	14.0			100
12- 7-11	42912	13.1	7.8	11.1			104
12-27-18	40632	12.1	27.7	18.9			100
13-28-18	40630	14.0	30.3	16.6*			102
13-28-18	40631	14.0	29.7	16.7*			101
18-14-14	42913	18.5	14.1	15.2			100
S.S. HARDIN COOP		ELIZABETHTOWNKY			XS CL	RV	
GRADE	NUM	N	APA	POT			
17-17-20	42431	15.7*	19.1	20.7			100
19-19-19	42427	19.2	19.5	19.8			100
19-19-19	42429	21.2	19.4	18.3*			103
19-19-19	42430	20.1	19.8	18.3*			101
29-27- 0	42428	29.2	27.3	0.0			100
S.S. HARRODSBURG COOP		HARRODSBURG			KEY	XS CL	RV
GRADE	NUM	N	APA	POT			
8-17-26	42708	7.4*	16.1*	27.0			95*
11-10-36	42709	11.2	10.9	31.5*			93*
17- 0-25	42711	16.6	0.0	26.7			101
19-19-19	42712	17.9*	19.8	21.1			99
24-10-16	42713	23.6	13.5	16.5			103
35- 7- 7	42710	33.1*	8.6	9.0			98
S.S. HENDERSON COOP		HENDERSON			KEY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-15-19	40627	0.0	16.3	22.2			110
0-16-20	40544	0.0	16.8	22.7			104
0-20-32	42254	0.0	21.2	32.1			103
0-22-30	41650	0.0	22.3	31.0			102
0-25-25	42948	0.0	25.8	24.3*			99
9- 8-13	42253	9.1	8.8	14.1			100
10-26-25	42255	9.9	26.0	27.4			101
25-13-15	42947	21.7*	8.0*	25.8			93*
S.S. HOPKINSVILLE COOP		HOPKINSVILLE			KEY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-25-25	41729	0.0	24.6	27.1			101
4-18-18	40586	5.3	21.4	19.2			111
6-25-25	43225	6.4	29.4	21.1*			101
10-14-13	40587	12.0	16.1	16.2			115
17-17-17	41728	18.0	18.0	17.5			101
21-14-14	41727	21.0	15.9	14.1			103
31- 5- 0	42674	30.9	7.5	0.0			100
S.S. HOPKINSVILLE COOP.		CADIZ			KEY	XS CL	RV
GRADE	NUM	N	APA	POT			
9-18-27	42984	9.4	18.1	28.3			102
15-15-23	42983	15.0	15.4	22.4			98
21-15-13	42333	20.3	15.0	15.2			100
S.S. HORSE CAVE COOP		HORSE CAVE			KEY	XS CL	RV
GRADE	NUM	N	APA	POT			
0-24-24	43115	0.0	24.0	25.4			98
0-33-15	41574	0.0	33.2	15.3			101
5-23-22	41596	5.6	24.0	22.8			101
12-24-24	41577	13.0	25.0	23.7			101

TABLE 1. (Continued)

S.S. HORSE CAVE COOP		HORSE CAVE		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
12-45-0	41576	12.8	45.4	0.0		101	
18-13-19	43114	23.1	13.3	15.7*		105	
19-19-19	41575	17.1*	18.7	22.6		97*	
S.S. COOP. HUSTONVILLE SER.		HUSTONVILLE		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-25-25	41843	0.0	25.8	25.0		100	
0-29-20	43041	0.0	30.0	20.5		102	
12-24-24	42454	12.3	26.2	23.6		102	
15-16-17	41842	18.9	11.6*	19.1		102	
S.S. BRECK COOP.		IRVINGTON		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
15-15-15	42760	15.2	16.9	13.7*		102	
S.S. COOP. LANCASTER SER.		LANCASTER		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
9-18-27	42727	10.1	18.4	28.2		102	
9-18-27	42729	9.5	19.2	27.8		102	
10-0-38	42728	11.1	0.0	39.6		103	
19-8-23	42115	20.0	7.5*	24.5		101	
19-19-19	42730	19.1	19.7	19.9		101	
21-12-18	42726	22.4	13.1	18.0		103	
30-11-11	42116	29.0	12.0	13.2		100	
S.S. LAWRENCEBURG COOP		LAWRENCEBURG		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-11-45	42742	0.0	11.8	45.0		102	
0-11-45	42748	0.0	11.0	45.7		101	
7-14-23	42740	8.0	15.5	22.3*		103	
9-18-18	42480	9.1	18.4	19.4		101	
10-11-21	42739	10.3	12.0	22.8		101	
11-0-40	42481	10.7	0.0	40.5		99	
14-14-14	42479	15.6	14.6	13.0*		101	
20-9-10	42478	19.9	9.2	10.9		98	
22-8-8	42747	22.4	7.5	9.4		101	
25-6-6	42741	24.5	6.8	7.1		99	
S.S. LEBANON COOP.		LEBANON		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
14-14-21	42586	14.8	14.7	21.8		102	
16-15-12	42589	16.9	16.4	12.6		102	
16-19-19	42587	16.8	19.5	19.1		101	
27-11-15	42588	28.4	11.8	15.0		103	
27-12-12	42590	27.0	12.8	13.2		101	
S. S. LEITCHFIELD COOP		LEITCHFIELD		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
4-16-16	40664	3.4*	19.6	22.4		117	
6-25-25	41699	6.3	25.6	26.5		100	
6-25-25	41700	6.6	25.0	26.0		99	
17-17-17	41698	17.4	19.0	17.9		101	
19-15-15	42887	25.2	15.9	14.4*		112	
19-19-19	41896	19.2	17.8*	21.6		100	
S.S. LEXINGTON COOP		LEXINGTON		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
10-10-22	42828	11.6	12.1	20.9*		107	
17-2-19	42821	19.2	3.9	17.5*		105	
19-6-16	42819	17.3*	6.5	20.2		101	
28-0-10	42820	27.3	0.0	11.8		100	
S.S. LONDON COOP		LONDON		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
6-24-24	41930	6.7	26.1	24.7		104	

TABLE 1. (Continued)

S.S. LONDON COOP		LONDON			KEY	XS	CL	RV
GRADE	NUM	N	APA	POT				
14-13-15	41928	15.7	17.0	16.3			113	
17-17-17	41927	18.6	19.5	16.1*			103	
19-19-19	42836	19.5	20.2	18.1*			100	
S.S. MADISONVILLE COOP.		MADISONVILLE			KEY	XS	CL	RV
GRADE	NUM	N	APA	POT				
0-17-35	42955	0.0	22.5	28.6*			100	
0-21-29	42956	0.0	22.5	27.7*			100	
0-22-30	40681	0.0	21.4	32.1			102	
0-22-30	42267	0.0	22.0	31.3			102	
0-22-30	42295	0.0	24.7	27.1*			102	
0-22-30	42539	0.0	21.8	30.8			101	
6-17-34	43116	6.9	17.0	35.0			99	
6-18-6	40861	6.6	18.1	6.3			104	
9-23-30	43088	8.0*	20.0*	33.4			96*	
S.S. MAYSVILLE COOP		MAYSVILLE			KEY	XS	CL	RV
GRADE	NUM	N	APA	POT				
9-18-26	42702	9.4	17.9	27.3			100	
9-18-27	42704	8.8	17.5	28.7			98	
14-14-21	42703	13.9	14.7	22.1			100	
17-17-17	42705	17.6	17.0	18.4			99	
17-17-17	42705	17.6	17.0	18.4			99	
19-19-19	42571	20.3	19.9	19.0			103	
S.S. MORGANFIELD COOP		MORGANFIELD			KEY	XS	CL	RV
GRADE	NUM	N	APA	POT				
0-13-17	40567	0.0	15.5	18.8			114	
0-19-15	40719	0.0	21.4	15.7			106	
0-19-34	40720	0.0	21.2	32.2*			100	
4-17-15	40718	5.9	21.0	15.9			114	
10-25-25	42853	10.9	27.6	24.0*			103	
25-10-12	41393	25.0	9.9	13.8			99	
S.S. OWENSBORO COOP		OWENSBORO			KEY	XS	CL	RV
GRADE	NUM	N	APA	POT				
0-22-30	42158	0.0	20.2*	33.2			101	
5-21-31	42160	5.3	21.3	31.8			100	
6-25-25	42942	7.0	28.3	22.8*			102	
6-25-25	42943	7.2	28.9	22.2*			103	
9-23-30	42159	9.1	24.2	29.6			102	
9-23-30	42161	8.9	22.6	29.9			99	
9-23-30	42384	9.2	23.5	29.8			101	
S.S. PENDLETON COOP		FALMOUTH			KEY	XS	CL	RV
GRADE	NUM	N	APA	POT				
9-18-27	42631	9.2	18.7	28.1			102	
19-9-12	42630	19.7	9.9	12.6			101	
20-0-24	42632	20.6	0.0	23.8			100	
23-11-11	42628	23.7	12.5	11.6			103	
27-0-12	42629	27.2	0.0	13.0			102	
S. S. COOP--RICHMOND SERVICE		RICHMOND			KEY	XS	CL	RV
GRADE	NUM	N	APA	POT				
5-21-21	42871	5.1	22.9	21.2			103	
6-25-26	41536	5.8*	24.0*	28.3			97*	
9-18-27	42870	9.5	19.0	28.0			104	
9-18-27	42873	9.9	17.1*	28.8			102	
9-18-27	42875	8.8	17.8	29.0			101	
14-8-18	42872	15.0	10.2	19.1			106	
16-12-18	42869	16.3	10.6*	22.0			99	
16-12-22	42874	14.8*	13.6	22.4			97*	
17-18-17	42574	17.4	19.5	17.9			102	

TABLE 1. (Continued)

S. S. COOP--RICHMOND SERVICE		RICHMOND		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
17-22-0	42575	17.3	23.1	0.0		103	
S.S. RUSSELLVILLE COOP		RUSSELLVILLE		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-24-24	41480	0.0	26.6	24.0		105	
0-25-25	41479	0.0	27.4	22.0*		99	
12-23-23	40775	8.9*	23.9	23.9		92*	
18-14-14	41478	19.0	14.7	11.2*		98	
S. S. COOP. SEBREE SERVICE		SEBREE		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-15-19	40628	0.0	17.5	19.5		107	
2-18-33	42850	2.5	20.2	31.4*		101	
9-23-30	42252	8.8	24.9	28.8		102	
9-23-30	43054	10.1	26.9	25.7*		104	
11-28-21	42251	10.9	29.3	20.5*		100	
S.S. SHELBYVILLE COOP.		SHELBYVILLE		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-12-41	42101	0.0	12.5	42.7		101	
0-16-37	42473	0.0	17.3	37.9		103	
0-25-25	42080	0.0	25.3	25.7		100	
2-6-43	42737	2.9	7.2	43.6		105	
7-18-36	42099	6.9	18.8	36.0		101	
13-6-25	42738	12.5*	5.8	26.3		97*	
20-12-12	42472	20.6	12.8	11.7*		100	
22-6-17	42471	21.8	6.4	17.0		99	
28-0-21	42100	28.5	0.0	23.0		101	
28-6-17	42474	28.1	6.8	17.8		101	
S.S. SIMPSON COOP		FRANKLIN		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
11-14-20	41146	12.5	14.9	17.9*		100	
17-17-17	40617	16.6*	18.9	19.4		101	
S.S. SOMERSET COOP		SOMERSET		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
0-0-60	42965	0.0	0.0	60.4		101	
0-25-25	42288	0.0	29.8	19.8*		101	
0-44-0	42966	0.0	43.3	0.0		98	
6-25-25	42286	6.1	24.7	28.4		100	
7-15-15	40524	9.2	18.1	17.7		116	
17-17-17	41616	18.0	18.6	17.8		102	
17-17-17	41617	18.1	15.4*	19.7		99	
17-17-17	41619	17.2	16.0*	20.1		98	
17-17-17	41631	17.6	18.0	18.5		101	
S.S. COOP STANFORD SER.		STANFORD		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
13-19-19	42359	13.0	19.0	20.9		100	
13-22-22	42731	13.3	24.2	21.9*		102	
18-10-13	42733	19.0	10.6	12.4*		101	
18-18-18	42360	18.9	18.7	20.5		103	
19-19-19	41841	19.8	20.0	19.1		102	
23-11-11	42732	24.1	10.6	11.0		99	
S.S. COOP-TODD SVC.		ELKTON		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
6-25-25	42228	7.2	29.0	22.4*		104	
6-25-25	42229	6.8	27.6	23.9*		102	
SPRINGFIELD FARM SERVICE		SPRINGFIELD		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
15-15-22	42716	13.6*	15.8	25.2		99	
16-13-19	42576	14.3*	15.0	23.2		102	

TABLE 1. (Continued)

SPRINGFIELD FARM SERVICE		SPRINGFIELD KY			XS CL	RV
GRADE	NUM	N	APA	POT		
17-12-22	42718	16.6	12.5	23.9		100
17-14-21	42720	15.7*	15.8	22.3		99
17-17-17	42717	17.8	18.9	16.7*		100
19-19-19	41846	18.8	19.0	20.9		100
35- 7- 7	42719	33.4*	9.7	9.8		101
STANLEY CROP SERVICE		STANLEY KY			XS CL	RV
GRADE	NUM	N	APA	POT		
0-15-40	42284	0.0	15.4	40.7		102
0-23-30	42282	0.0	23.0	30.5		101
0-23-30	43050	0.0	24.8	29.8		104
9-23-30	42281	8.9	22.3	33.2		102
9-23-30	42283	8.7	22.7	31.7		101
14-36-12	42285	14.3	36.4	13.0		100
STEWART FERTILIZER SERVICE		MT. VERNON KY			XS CL	RV
GRADE	NUM	N	APA	POT		
4-19-19	40512	4.8	19.3	19.8		100
5-10-15	41376	5.1	10.3	15.7		103
5-10-15	43159	5.0	15.9	17.9	*	129
5-20-20	42451	4.7	18.0*	21.9		97*
5-20-20	42453	5.6	21.0	21.4		107
6-24-24	41377	7.2	26.0	22.5*		105
10- 8-12	42450	12.5	12.6	8.7*		115
10-10-10	40595	10.1	11.4	11.0		107
10-10-10	41534	8.9*	10.5	8.9*		94*
10-10-10	41835	10.2	9.7	10.5		101
10-10-10	41836	10.0	9.9	10.7		101
10-10-10	43042	9.7	10.0	10.3		99
10-10-10	41837	10.5	9.8	9.8		101
12-12-12	40993	11.7	13.0	13.3		104
15-15-15	41378	14.9	15.7	16.1		103
17-17-17	42452	15.0*	16.3	15.9*		92*
SWIFT AGRI CHEM CORP		CHICAGO IL			XS CL	RV
GRADE	NUM	N	APA	POT		
5- 8-10	41029	5.4	10.2	12.3		120
6- 9- 5	41030	6.6	11.2	4.9		114
6-24-24	42154	7.1	27.1	23.7		109
6-24-24	42507	6.5	25.3	25.0		105
SWIFT CHEMICAL CO.		COLUMBIA KY			XS CL	RV
GRADE	NUM	N	APA	POT		
5-20-20	41791	4.6	18.2*	21.9		97*
7- 9-13	42963	7.8	5.9*	15.2		91*
8- 8-13	42962	5.6*	6.2*	15.1		83*
10-10-10	41792	6.3*	7.8*	11.5		80*
10-10-10	41794	7.8*	7.2*	11.2		83*
10-10-10	41796	8.1*	7.3*	11.6		86*
SWIFT CHEMICAL CO.		CROFTON KY			XS CL	RV
GRADE	NUM	N	APA	POT		
5-18-18	43149	5.4	16.5*	18.2		95*
13- 9-13	43150	14.9	7.0*	11.3*		96*
13-12-11	43085	12.9	13.1	10.1*		97*
SWIFT CHEMICAL CO.		CUNNINGHAM KY			XS CL	RV
GRADE	NUM	N	APA	POT		
4-13-13	42995	4.0	11.7*	13.1		93*
17- 8- 8	42996	17.3	7.5*	8.5		96*
18- 7- 7	42994	18.3	6.6*	7.3		96*

TABLE 1. (Continued)

SWIFT FARM CENTER		E BERNSTADT KY					
GRADE	NUM	N	APA	POT	XS CL	RV	
0-20-20	40963	0.0	17.3*	24.1		100	
0-20-20	41375	0.0	18.7*	20.2		96*	
5-10-15	40904	4.9	10.2	13.6*		97*	
5-10-15	40999	5.5	11.6	15.5		109	
5-10-15	41374	4.4*	8.9*	16.3		96*	
5-10-15	41537	4.9	9.6	14.8		98	
5-10-15	41626	6.7	12.4	13.3*		113	
5-10-15	42106	4.9	9.8	15.0		99	
5-10-15	42597	4.4*	9.1*	16.6		97*	
5-20-20	40961	4.5	18.6*	16.7*		89*	
5-20-20	41150	6.6	24.6	13.7*		106	
5-20-20	41373	4.2*	16.5*	20.1		89*	
5-20-20	41438	4.1*	17.5*	23.6		97*	
5-20-20	41627	5.6	22.7	16.8*		103	
5-20-20	41439	4.1*	19.1	23.2		100	
6- 6-18	41149	5.6	5.7	18.3		97*	
6- 6-18	41437	5.5	4.7*	19.9		97*	
6-12-12	40964	6.6	13.3	11.2*		105	
6-12-18	40873	5.7	10.4*	18.9		96*	
6-12-18	40903	5.7	11.6	19.5		100	
6-12-18	40962	5.5	10.8*	19.7		97*	
10-10-10	40874	9.5	12.3	12.6		111	
10-10-10	40905	9.7	9.6	10.6		99	
10-10-10	40965	10.4	12.1	8.8*		106	
10-10-10	41440	9.7	9.5	10.1		97*	
10-10-10	41764	10.7	9.8	9.9		102	
10-10-10	42050	9.8	10.1	11.1		102	
10-10-10	43156	9.7	11.7	10.7		106	
10-10-10	42049	9.0*	8.9*	10.7		93*	
15-15-15	42961	14.1*	14.7	15.6		97*	
SWIFT AGRICULTURAL CHEM CORP		HOPKINSVILLE KY					
GRADE	NUM	N	APA	POT	XS CL	RV	
0-20-20	43082	0.0	19.0	23.5		104	
3- 9-27	41804	3.1	7.7*	27.5		97*	
3-10-30	40411	3.8	13.4	33.3		119	
4-16- 4	41218	4.3	15.1*	6.6		105	
4-16- 4	41747	4.0	15.6	5.0		101	
5-10-15	41216	3.6*	11.4	16.0		101	
5-10-15	41320	6.2	12.0	14.8		113	
5-10-15	41470	4.1*	7.6*	16.7		91*	
5-10-15	41579	5.3	10.8	15.8	*	106	
5-10-15	41583	5.3	9.6	16.7		104	
5-10-15	41586	5.6	10.1	16.9		108	
5-10-15	41644	6.9	13.6	15.5	*	124	
5-10-15	41693	4.7	9.2*	16.9		100	
5-10-15	41715	5.1	10.5	17.3		108	
5-10-15	41780	5.8	10.7	14.8		106	
5-10-15	41937	4.5	8.6*	17.7		99	
5-10-15	42013	5.9	10.9	14.8		107	
5-10-15	42418	5.8	9.7	16.3		106	
5-10-15	42533	6.0	11.0	16.7		113	
5-10-15	42951	5.0	11.6	16.8	*	110	
5-10-15	43025	5.6	10.6	14.9		105	
5-20-20	41214	6.4	17.1*	19.9		97*	
5-20-20	41295	6.4	21.4	18.5*		106	
5-20-20	41475	5.2	21.4	20.2		104	
5-20-20	41476	5.9	21.1	20.2		106	

TABLE 1. (Continued)

SWIFT AGRICULTURAL CHEM CORP		HOPKINSVILLE KY			XS CL	RV
GRADE	NUM	N	APA	POT		
5-20-20	41524	4.7	19.3	22.9		102
5-20-20	41584	5.0	21.2	18.0*		100
5-20-20	41587	5.0	20.2	19.8		100
5-20-20	41783	5.3	18.8*	20.5		99
5-20-20	42012	5.3	18.6*	18.9*		96*
5-20-20	42230	5.7	15.6*	19.8		91*
5-20-20	40747	4.1*	19.9	21.7		99
6-12-12	41472	6.4	11.3	13.6		103
6-12-18	41217	6.3	10.1*	17.3		95*
6-12-18	41474	6.7	11.0*	16.9*		97*
6-12-18	41580	6.5	11.2*	17.1*		98
6-12-18	41781	6.4	10.8*	19.2		100
6-12-18	43024	6.0	10.8*	18.7		98
6-24-24	40456	6.0	25.3	15.2*		90*
6-24-24	41215	6.0	23.4	25.2		100
6-24-24	41471	6.4	21.8*	25.0		98
6-24-24	41515	6.5	25.6	23.8		104
6-24-24	41523	6.0	24.7	24.9		103
6-24-24	42231	5.8	21.8*	25.6		97*
6-24-24	42250	5.3*	23.1	26.8		100
6-24-24	43080	5.9	24.5	23.7		100
6-24-24	43201	6.1	25.2	22.3*		100
6-24-24	41797	6.4	22.4*	24.4		98
8- 8-13	43081	8.4	10.2	15.6		110
10-10-10	41213	10.0	9.3*	11.8		102
10-10-10	41296	10.1	12.0	12.7		113
10-10-10	41319	10.0	11.6	11.6		109
10-10-10	41473	10.3	11.6	11.7		110
10-10-10	41477	10.0	11.6	11.5		108
10-10-10	41581	9.8	10.9	10.6		103
10-10-10	41585	11.2	10.5	10.3		107
10-10-10	41716	9.9	11.1	11.6		106
10-10-10	41744	10.6	11.3	10.0		107
10-10-10	41782	10.6	10.5	10.9		106
10-10-10	41803	10.0	8.8*	10.6		97*
10-10-10	42011	9.8	8.8*	10.4		96*
10-10-10	42523	10.6	11.3	11.1		109
10-10-10	42534	10.1	10.5	12.7		108
10-10-10	43083	11.7	11.0	11.6		114
10-20-20	41140	9.9	21.5	20.2		103
15-15-15	41578	13.2*	18.9	16.7		106
15-15-15	41582	14.0*	14.5	16.0		97*
15-15-15	41784	14.4	15.9	15.9		101
15-15-15	42524	14.0*	14.6	15.2		97*
17-33- 8	41525	17.8	38.0	5.2*		105
28- 0- 0	41281	28.2	0.0	0.0		101
SWIFT CHEMICAL CO.		MORGANTOWN KY			XS CL	RV
GRADE	NUM	N	APA	POT		
16- 9- 9	43194	16.2	7.8*	9.6		95*
17- 8- 8	43193	17.4	7.1*	8.6		96*
SWIFT AGRICULTURAL CHEM CORP		RICHMOND KY			XS CL	RV
GRADE	NUM	N	APA	POT		
0-25-25	42448	0.0	26.6	25.9		102
9-18-27	42105	6.4*	17.1*	29.0		93*
15-15-15	41372	14.3	10.2*	18.0		92*
17-17-17	41538	15.6*	14.3*	22.4		97*

TABLE 1. (Continued)

SWIFT AGRI CHEM CORP.		UTICA		KY		
GRADE	NUM	N	APA	POT	XS CL	RV
3- 9-27	42939	3.0	8.4	28.1		101
5-17-17	42938	6.0	17.2	15.1*		97*
13- 9-14	42260	13.7	8.7	12.1*		94*
14- 8-12	42276	15.1	7.8	11.9		99
15- 7-11	42165	15.6	6.8	13.5		101
16- 7-10	42940	16.3	7.0	10.7		99
TEATER & CASSITY FARM SER.		NICHOLASVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
7-14-22	42725	7.3	15.4	23.8		103
THURSTON FERTILIZER CO.		PADUCAH KY				
GRADE	NUM	N	APA	POT	XS CL	RV
26-13-14	42342	26.4	12.5	16.0		101
26-14-13	42343	25.4	14.6	15.4		101
TODD COUNTY SEED		TRENTON KY				
GRADE	NUM	N	APA	POT	XS CL	RV
19-11-19	42223	16.7*	12.6	20.3		96*
32- 5-11	42224	30.7	5.1	12.4		98
UNION FERTILIZER		MORGANFIELD KY				
GRADE	NUM	N	APA	POT	XS CL	RV
0-12-43	40766	0.0	14.5	42.6		103
0-15-39	42535	0.0	15.0	41.0		101
0-15-40	40764	0.0	16.8	39.7		103
0-23-28	41297	0.0	24.5	28.8		101
0-23-28	41299	0.0	25.9	27.5		103
0-23-29	40765	0.0	24.6	29.0		102
6-16-14	40716	7.2	16.8	17.9		113
10-26-26	42537	10.6	25.3	26.5		100
19-19-19	41298	17.3*	21.1	21.5		101
23-14-18	42854	22.6	14.8	19.1		100
US 60 FARM SVC. CENTER		HARDINSBURG KY				
GRADE	NUM	N	APA	POT	XS CL	RV
5-27-24	42202	5.2	25.8*	25.2		97*
6-26-26	42205	5.7*	24.1*	29.0		97*
12-15-15	42203	13.2	14.4	15.1		102
17-17-18	42201	17.6	16.3*	19.3		98
17-17-18	42204	15.4*	12.5*	26.0		94*
USS AGRI-CHEMICALS		ATLANTA GA				
GRADE	NUM	N	APA	POT	XS CL	RV
0-46- 0	43187	0.0	45.1	0.0		98
18-46- 0	43188	17.8	47.0	0.0		101
USS AGRI-CHEMICALS		BOWLING GREEN KY				
GRADE	NUM	N	APA	POT	XS CL	RV
3-15-15	40814	3.8	17.4	18.5		111
USS FARM SERVICE CENTER		CAMPBELLSVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
14-14-14	40666	13.6	14.9	18.4		108
17-17-17	42320	18.4	20.5	15.2*		104
17-17-17	42321	17.9	16.1*	18.7		98
19-19-19	42312	17.5*	22.0	20.8		101
19-19-19	42313	15.4*	18.8	26.1		97*
21-13-13	42322	22.2	19.2	9.2*		108
USS AGRI-CHEMICALS		GUTHRIE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
10-26-26	40884	10.4	27.3	26.5		102
USS AGRI-CHEMICALS		JEFFERSONVILLE KY				
GRADE	NUM	N	APA	POT	XS CL	RV
0-44- 0	40801	0.0	43.3	0.0		98

TABLE 1. (Continued)

USS	AGRI-CHEMICALS		JEFFERSONVILLIN				
	GRADE	NUM	N	APA	PQT	XS	CL RV
	5-10- 5	40511	6.2	9.5	5.4		107
	5-10- 5	40994	5.8	9.6	6.2		107
	5-10- 5	41081	5.5	9.3*	5.7		102
	5-10- 5	41158	4.9	10.0	7.8		108
	5-10- 5	41291	4.9	10.3	5.7		103
	5-10- 5	41685	5.4	13.6	7.5		129
	5-10- 5	41857	5.5	10.3	7.3		113
	5-10- 5	42169	5.4	11.3	9.6		125
	5-10-15	40796	5.6	9.8	15.8		104
	5-10-15	40798	5.4	10.3	15.6		105
	5-10-15	40853	4.8	10.9	14.9		102
	5-10-15	40858	5.2	10.9	15.1		105
	5-10-15	40890	5.1	10.4	15.9		104
	5-10-15	40898	5.3	10.6	15.5		105
	5-10-15	40907	5.2	9.8	16.5		103
	5-10-15	40977	5.6	10.3	15.5		106
	5-10-15	40995	4.9	9.5	15.2		98
	5-10-15	41004	5.5	10.2	15.3	*	103
	5-10-15	41008	5.7	10.0	15.5		105
	5-10-15	41075	5.4	10.7	15.8		107
	5-10-15	41079	5.1	10.1	15.4		102
	5-10-15	41102	5.5	10.5	15.9		106
	5-10-15	41106	5.9	10.0	15.2		105
	5-10-15	41164	5.3	10.5	15.3		104
	5-10-15	41197	5.7	10.5	14.8		105
	5-10-15	41204	5.9	10.1	16.8		109
	5-10-15	41205	5.2	9.7	16.0		102
	5-10-15	41207	4.8	10.8	16.6		106
	5-10-15	41234	6.3	10.1	16.0	*	109
	5-10-15	41290	6.1	9.5	14.3		103
	5-10-15	41314	5.6	10.4	14.9		104
	5-10-15	41326	5.9	11.0	15.4		109
	5-10-15	41434	5.4	10.4	15.7		105
	5-10-15	41597	5.3	10.2	15.0		102
	5-10-15	41598	5.1	10.5	13.8*		99
	5-10-15	41633	5.4	9.8	15.7		103
	5-10-15	41635	5.6	10.7	14.8		105
	5-10-15	41636	5.1	10.9	16.1		107
	5-10-15	41646	5.2	10.4	15.3		103
	5-10-15	41654	5.6	9.9	16.2		105
	5-10-15	41811	5.4	11.3	14.9		107
	5-10-15	41830	5.4	9.8	15.8		103
	5-10-15	41854	5.6	10.6	16.5		109
	5-10-15	41855	5.3	11.5	15.4		108
	5-10-15	41858	6.3	10.6	13.7*		105
	5-10-15	41872	5.3	13.1	16.2	*	116
	5-10-15	41876	5.8	10.7	15.6		108
	5-10-15	41877	5.1	17.6	20.0	*	141
	5-10-15	41882	6.3	9.8	15.3		107
	5-10-15	42031	5.6	10.0	15.1		103
	5-10-15	42032	5.3	10.5	15.8		105
	5-10-15	42129	6.1	10.2	14.8		106
	5-10-15	42138	5.4	11.0	15.3		106
	5-10-15	42180	6.4	10.2	15.8		110
	5-10-15	42217	5.8	9.8	16.5		107
	5-10-15	42401	5.4	9.9	15.6		103
	5-10-15	42449	5.5	11.1	14.8		106

TABLE 1. (Continued)

USS	AGRI-CHEMICALS		JEFFERSONVILLIN					
	GRADE	NUM	N	APA	POT	XS	CL	RV
	5-10-15	42464	5.1	11.0	14.9			104
	5-10-15	42491	4.8	11.2	14.8			103
	5-10-15	42573	5.5	10.7	15.0			105
	5-10-15	42653	6.7	10.9	13.5*	*		108
	5-10-15	42723	5.6	10.0	15.4			104
	5-10-15	42976	5.3	11.0	14.8			104
	5-10-15	43110	5.5	10.4	14.6			103
	5-10-15	43128	5.1	10.4	14.8			101
	5-10-15	43169	5.5	10.9	15.4			107
	5-10-15	43207	5.3	9.2*	15.2			102
	5-10-15	41389	5.3	10.7	14.8			104
	5-10-15	41390	5.2	9.9	16.7			105
	5-10-15	42157	6.5	10.3	15.7			110
	5-10-15	42177	5.7	11.0	14.8			106
	5-10-30	41645	5.0	10.6	30.9			103
	5-10-30	42179	5.3	13.2	30.4			110
	5-20-20	40436	5.2	21.4	21.9			107
	5-20-20	40442	4.8	19.2	21.7			100
	5-20-20	40488	4.9	19.8	21.2			101
	5-20-20	40529	5.2	20.6	19.2			101
	5-20-20	40579	5.1	20.1	20.8			102
	5-20-20	40668	5.3	19.9	19.9			101
	5-20-20	40735	5.2	21.0	18.9*			101
	5-20-20	40738	5.2	19.5	19.8			99
	5-20-20	40739	5.6	20.6	19.8			103
	5-20-20	40877	7.4	19.3	17.8*			103
	5-20-20	40996	5.9	20.2	20.0			103
	5-20-20	41076	5.9	18.9*	19.8			100
	5-20-20	41101	5.2	19.4	18.5*			97*
	5-20-20	41198	4.8	20.2	19.8			99
	5-20-20	41534	7.6	19.1	17.6*			102
	5-20-20	41656	5.0	18.7*	20.9			98
	5-20-20	41701	5.2	20.9	19.1			101
	5-20-20	41895	4.9	20.3	20.8			102
	5-20-20	42199	5.3	20.9	19.8			103
	5-20-20	42397	5.4	21.3	19.9			104
	5-20-20	42531	5.0	19.7	20.7			100
	5-20-20	43109	5.3	20.5	20.2			103
	5-20-20	43125	4.9	20.1	20.3			100
	5-20-20	43226	5.5	20.5	18.5*			100
	5-20-20	40799	5.6	20.9	20.5			105
	5-20-20	41916	5.3	20.7	20.3			103
	6-12-12	40580	5.7	10.7*	12.7			96*
	6-12-12	40737	6.5	11.0*	12.2			99
	6-12-12	40939	6.1	11.8	13.2			102
	6-24-24	40480	5.8	23.8	23.8			99
	6-24-24	40997	5.8	23.3	24.1			98
	6-24-24	41089	6.1	22.3*	25.6			99
	6-24-24	41647	6.5	24.2	23.8			101
	6-24-24	41813	5.8	24.8	23.8			101
	6-24-24	42655	6.1	22.4*	25.9			100
	6-24-24	43170	6.0	24.0	23.3			99
	7-28-28	41289	7.0	27.8	27.8			100
	7-28-28	41812	7.2	27.7	28.1			100
	7-28-28	41922	7.3	29.4	27.7			103
	7-28-28	42181	8.2	27.6	27.9			102
	7-28-28	42679	7.3	27.7	27.8			100

TABLE 1. (Continued)

USS AGPI-CHEMICALS GRADE	NUM	JEFFERSONVILLIN			XS CL	RV
		N	APA	POT		
7-28-28	42859	8.0	28.5	26.9		102
7-40-5	41816	7.1	39.9	5.6		101
8-32-16	41815	8.2	31.8	15.9		100
10-10-10	40443	10.6	10.1	9.8		102
10-10-10	40444	10.2	10.6	10.2		103
10-10-10	40528	10.0	10.0	10.3		100
10-10-10	40574	10.4	9.6	9.8		100
10-10-10	40645	10.4	9.8	9.8		101
10-10-10	40669	10.2	10.0	9.8		100
10-10-10	40734	10.7	9.3*	9.8		100
10-10-10	40795	10.5	9.7	9.8		101
10-10-10	40852	9.8	10.4	11.1		103
10-10-10	40860	10.7	9.4	10.5		102
10-10-10	40864	9.9	13.6	13.6		120
10-10-10	40889	10.7	9.4	10.1		101
10-10-10	40899	10.0	9.6	10.6		100
10-10-10	40908	10.3	9.4	9.9		99
10-10-10	40943	10.6	9.9	9.2*		101
10-10-10	40976	9.7	10.1	11.8		103
10-10-10	41009	10.5	10.0	10.3		103
10-10-10	41074	10.0	10.4	10.0		101
10-10-10	41077	10.3	9.9	11.5		104
10-10-10	41078	10.0	9.7	10.4		100
10-10-10	41080	10.1	9.8	10.5		101
10-10-10	41103	10.6	10.8	10.1		106
10-10-10	41107	10.3	10.5	10.7		104
10-10-10	41136	9.7	10.2	11.1		102
10-10-10	41206	10.1	10.1	11.0		103
10-10-10	41233	10.1	9.8	10.7		101
10-10-10	41241	10.5	9.5	10.5		101
10-10-10	41292	10.5	10.4	10.0		104
10-10-10	41327	9.1*	8.1*	11.9		94*
10-10-10	41433	10.2	9.5	11.0		101
10-10-10	41655	10.5	10.1	10.2		103
10-10-10	41856	10.7	9.7	9.8		102
10-10-10	41956	10.5	9.5	10.0		101
10-10-10	42030	10.3	10.2	10.6		103
10-10-10	42200	10.3	9.8	11.1		103
10-10-10	42216	12.2	9.8	8.3*		105
10-10-10	42396	10.3	9.9	11.0		103
10-10-10	42402	9.9	9.7	10.6		100
10-10-10	42444	11.0	10.0	9.8		104
10-10-10	42465	10.4	10.2	9.9		102
10-10-10	42492	10.4	9.4	9.9		100
10-10-10	42722	10.4	10.4	10.8		105
10-10-10	42979	9.2*	10.3	11.4		101
10-10-10	43066	9.9	10.8	10.4		103
10-10-10	43098	10.1	10.1	11.4		104
10-10-10	43129	10.3	10.3	9.8		102
10-10-10	43227	10.1	10.3	10.4		102
10-10-10	41915	10.8	10.0	9.9		103
10-10-20	40859	9.8	11.0	20.4		103
10-10-20	41163	9.7	11.1	19.8		102
10-10-20	41240	10.4	9.5	17.3*		95*
10-10-20	41893	10.7	11.6	17.2*		102
10-10-20	42572	10.1	11.3	19.8		103
10-10-20	42698	9.7	11.2	20.0		102

TABLE 1. (Continued)

USS AGRI-CHEMICALS		JEFFERSONVILLIN				
GRADE	NUM	N	APA	POT	XS CL	RV
10-10-20	41388	9.8	9.9	20.1		99
12- 4- 8	42167	12.2	4.1	8.4		102
13-13-13	41010	6.0*	10.5*	14.5		72*
13-13-13	41162	11.3*	12.4	13.4		94*
13-13-13	41235	13.2	12.6	12.8		99
13-13-13	41315	12.2*	13.0	13.2		97*
13-13-13	41632	12.3	13.4	13.9		100
13-13-13	41810	12.5	13.3	12.9		99
13-13-13	41934	12.0*	12.3	14.9		98
13-13-13	42114	12.5	13.3	13.5		100
13-13-13	42654	12.5	13.0	12.8		98
14-14-14	41894	14.2	15.5	14.4		105
14-14-14	41923	13.6	15.6	13.8		102
14-14-14	42766	14.9	13.0*	14.1		101
16- 4- 8	42170	15.8	4.3	8.7		102
18-46- 0	40800	18.0	46.1	0.0		100
19- 5- 9	42166	18.6	5.1	9.7		100
25- 5-10	42168	23.5*	7.2	12.5		104
28- 0- 0	41385	28.7	0.0	0.0		102
28- 0- 0	42178	27.6	0.0	0.0		99
28- 0- 0	43099	28.7	0.0	0.0		102
33- 0- 0	40900	32.9	0.0	0.0		98
33- 0- 0	41005	33.4	0.0	0.0		100
33- 0- 0	41625	32.8	0.0	0.0		98
33- 0- 0	41814	34.3	0.0	0.0		102
45- 0- 0	41844	44.7	0.0	0.0		99
USS AGRI-CHEMICALS		NASHVILLE				
GRADE	NUM	N	APA	POT	XS CL	RV
0- 0-61	40886	0.0	0.0	62.3		102
0- 0-62	40506	0.0	0.0	62.2		100
0- 0-62	40879	0.0	0.0	62.3		101
0- 0-62	40982	0.0	0.0	62.2		100
0- 0-62	43198	0.0	0.0	61.4		99
0-44- 0	40472	0.0	46.1	0.0		105
5-10- 5	41119	5.8	9.7	5.0		103
5-10- 5	41128	5.6	10.6	5.2		107
5-10- 5	41746	5.5	9.3	5.9		103
5-10-15	40843	5.8	9.9	14.6		103
5-10-15	40865	5.5	10.0	15.2		103
5-10-15	40866	5.0	9.8	15.5		100
5-10-15	41129	5.4	9.9	15.3		102
5-10-15	41513	6.8	9.5	15.7		109
5-10-15	41905	5.4	10.3	14.8		102
5-10-15	42420	5.3	9.9	16.6		105
5-10-15	42997	5.0	10.0	14.8		99
5-10-15	41615	5.3	9.8	14.1*		98
5-10-15	41993	5.3	9.3*	14.8		98
5-10-15	42614	5.0	9.4	14.8		97*
5-10-15	43022	5.0	8.7*	15.6		97*
5-20-20	40812	5.5	19.6	21.8		103
5-20-20	41015	5.7	19.5	20.0		101
5-20-20	41114	5.7	18.8*	21.0		101
5-20-20	41122	5.3	19.3	21.9		103
5-20-20	41550	5.2	20.3	19.8		101
5-20-20	41741	5.3	19.4	21.2		101
5-20-20	41986	5.3	19.8	20.3		101
5-20-20	42057	5.1	18.9*	21.5		100

TABLE 1. (Continued)

USS	AGPI-CHEMICALS		NASHVILLE		TN	XS CL	RV
	GRADE	NUM	N	APA	POT		
	5-20-20	43224	5.2	18.9*	20.1		98
	5-20-20	40752	5.2	19.2	21.6		101
	6-12-12	40722	6.0	11.8	11.8		98
	6-12-12	41116	6.0	12.0	13.4		103
	6-12-12	41121	5.9	12.2	11.1*		98
	6-12-12	41514	6.3	12.2	11.8		101
	6-12-12	41568	6.3	11.9	12.0		101
	6-12-12	41745	5.9	11.3	14.3		102
	6-12-12	43223	6.3	12.4	12.3		103
	6-12-18	40842	6.2	12.4	17.6		101
	6-12-18	41016	6.3	12.7	17.0*		101
	6-12-18	41115	6.1	12.4	17.9		102
	6-12-18	41120	6.1	12.2	18.0		101
	6-12-18	41988	5.6	11.2*	19.3		98
	6-12-18	42001	5.9	11.5	17.9		98
	6-12-18	42058	5.7	12.2	17.8		99
	6-15-0	41944	6.6	14.7	0.0		102
	6-24-24	41113	6.1	23.7	23.8		99
	6-24-24	42000	6.5	24.8	23.8		103
	7-28-28	40414	7.5	29.2	26.4*		101
	7-28-28	40458	7.4	28.7	27.8		102
	7-28-28	40477	7.1	28.2	28.3		101
	7-28-28	40671	7.6	29.6	26.5*		102
	7-28-28	40680	7.1	29.7	27.0		102
	7-28-28	40761	7.8	30.1	26.0*		103
	7-28-28	40836	7.3	28.7	27.8		102
	7-28-28	41143	7.6	29.0	26.7*		102
	7-28-28	41512	7.2	27.9	26.8		99
	7-28-28	41520	7.3	28.4	27.8		101
	7-28-28	41743	7.8	27.5	27.8		101
	7-28-28	41998	7.6	29.9	26.6*		103
	7-28-28	42067	7.6	29.5	27.8		104
	7-28-28	42553	7.4	28.5	27.3		102
	7-28-28	42554	8.5	30.5	24.8*		104
	7-28-28	43200	7.9	30.6	24.8*		103
	7-28-28	40489	7.0	28.2	27.7		100
	7-28-28	40499	7.4	25.9*	30.1		100
	7-28-28	40560	7.1	29.1	27.0		101
	7-28-28	40730	7.1	27.6	28.6		100
	7-28-28	40731	7.3	28.8	27.8		102
	7-28-28	40751	6.9	27.0	28.9		99
	7-28-28	41739	7.5	29.5	26.9		103
	7-28-28	41785	7.2	28.2	28.1		101
	7-28-28	43195	7.7	30.2	26.3*		104
	7-28-28	43196	7.6	29.4	27.8		104
	8-24-24	42515	7.9	24.0	25.3		101
	8-32-16	41142	8.9	33.5	15.8		105
	10-10-10	40723	9.8	10.6	10.3		102
	10-10-10	41112	9.9	10.9	10.7		104
	10-10-10	41549	10.1	10.3	10.1		102
	10-10-10	41567	10.0	10.2	10.2		101
	10-10-10	41602	10.6	9.4	10.0		101
	10-10-10	41630	10.0	10.0	9.8		100
	10-10-10	41987	9.4	10.0	10.1		98
	10-10-10	42514	9.7	10.5	10.0		100
	10-10-10	42998	10.1	11.1	9.9		104
	13-13-13	41117	12.9	13.1	12.8		100

TABLE 1. (Continued)

USS AGRI-CHEMICALS		NASHVILLE			TN	
GRADE	NUM	N	APA	POT	XS CL	RV
13-13-13	41548	13.0	13.2	12.3		99
14-14-14	40413	14.8	14.6	13.7		103
14-14-14	40459	14.6	15.2	14.7		106
14-14-14	40608	13.4	15.0	14.9		102
14-14-14	40844	13.7	15.3	14.9		103
14-14-14	41629	14.0	15.0	14.1		103
14-14-14	42068	14.7	13.9	14.3		102
14-14-14	42513	14.3	15.5	16.0		108
14-14-14	42555	14.6	14.5	14.1		103
15-40- 5	40841	15.4	41.2	5.8		104
15-40- 5	41141	15.0	39.7	5.6		100
15-40- 5	41521	15.0	40.0	5.2		100
15-40- 5	43197	15.3	40.8	6.2		103
18-46- 0	40471	17.7	46.8	0.0		101
18-46- 0	40880	18.3	46.8	0.0		102
20-20- 0	40885	20.7	19.5	0.0		101
28- 0- 0	41778	27.9	0.0	0.0		100
33- 0- 0	40613	33.3	0.0	0.0		99
USS FARM SERVICE CENTER		UTICA			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-22-30	40815	0.0	21.5	33.1		102
0-23-31	42382	0.0	22.7	32.6		102
0-23-31	42383	0.0	23.8	32.6		104
9-23-31	42858	7.7*	20.0*	34.7		96*
17-17-17	42305	18.7	13.7*	18.4		95*
WARNER FERTILIZER CO.		COLUMBIA			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
4-17-17	42234	5.0	17.6	22.3		113
5-20-20	42235	4.9	19.3	23.2		103
10-10-10	42233	10.1	9.1*	10.9		99
10-10-10	42928	9.0*	9.9	11.4		98
10-10-10	42929	9.1*	9.1*	11.3		96*
13- 7-10	42930	13.6	6.6	10.8		100
14- 8- 8	42232	14.8	7.6	8.5		100
18-11-12	42660	18.2	10.7*	13.2		97*
WARNER FERTILIZER CO		SOMERSET			KY	
GRADE	NUM	N	APA	POT	XS CL	RV
0-19-19	42241	0.0	20.0	20.8		102
0-20-20	40421	0.0	23.5	22.8		116
4-16- 4	41047	4.6	16.1	4.0		103
4-18-18	42240	4.6	18.1	19.8		102
5-10-15	40420	5.0	9.6	14.9		98
5-10-15	41055	5.4	10.0	15.5		103
5-10-15	41058	5.4	9.9	15.2		102
5-10-15	41093	5.0	9.8	16.7		103
5-10-15	41223	5.6	9.5	16.4		105
5-10-15	41247	4.8	9.7	15.8		100
5-10-15	41252	5.8	10.0	14.8		103
5-10-15	41260	4.9	9.9	15.4		100
5-10-15	41432	4.9	10.4	14.8		100
5-10-15	41496	5.1	10.4	15.9		104
5-10-15	41621	5.4	10.6	14.0*		101
5-10-15	41737	5.5	10.1	15.5		104
5-10-15	41748	4.9	9.5	16.9		103
5-10-15	42040	5.5	10.3	20.1	*	116
5-10-15	42358	4.5	8.5*	14.9		91*
5-10-15	42658	4.9	9.8	15.2		99

TABLE 1. (Continued)

WARNER FERTILIZER CO		SOMERSET		KY			
GRADE	NUM	N	APA	POT	XS CL	RV	
5-10-15	42935	4.4*	8.2*	13.3*		86*	
5-10-15	43133	5.4	9.0*	15.4		99	
5-20-20	40419	5.1	20.2	21.8		104	
5-20-20	40791	5.7	21.4	20.1		106	
5-20-20	41054	4.0*	16.5*	21.9		91*	
5-20-20	41224	4.2*	17.0*	21.9		93*	
5-20-20	41253	5.4	21.6	18.6*		103	
5-20-20	41752	5.2	19.5	19.8		99	
5-20-20	42356	5.4	20.7	19.8		103	
5-20-20	42934	6.2	18.2*	17.1*		95*	
5-20-20	42936	5.9	19.1	18.1*		97*	
6-12-12	41002	6.5	12.5	13.1		107	
6-12-12	41736	5.8	10.6*	12.5		95*	
10-10-10	40467	11.1	11.5	13.4		117	
10-10-10	40682	10.0	10.2	10.1		101	
10-10-10	40790	10.8	10.6	9.8		105	
10-10-10	40969	9.7	9.7	10.0		98	
10-10-10	41003	10.8	10.6	9.8		105	
10-10-10	41048	10.3	10.1	10.8		103	
10-10-10	41053	9.7	10.0	10.7		100	
10-10-10	41056	9.2*	8.4*	11.1		93*	
10-10-10	41057	10.3	11.0	10.7		106	
10-10-10	41059	9.7	9.4	11.0		99	
10-10-10	41092	10.6	10.5	10.1		105	
10-10-10	41226	9.7	9.7	11.1		100	
10-10-10	41246	11.5	11.6	9.0*		110	
10-10-10	41261	10.4	9.6	11.9		104	
10-10-10	41431	9.2*	10.4	11.9		102	
10-10-10	41495	9.9	10.7	10.7		104	
10-10-10	41554	7.4*	9.6	11.8		91*	
10-10-10	41735	9.3*	9.0*	11.8		97*	
10-10-10	41738	8.9*	10.0	11.3		98	
10-10-10	41819	9.7	9.9	11.2		101	
10-10-10	42357	8.9*	9.5	10.6		95*	
10-10-10	42445	7.3*	8.5*	10.1		83*	
10-10-10	42967	9.3	9.5	10.7		97*	
10-10-10	40684	10.3	9.5	11.4		103	
10-10-10	41620	10.3	10.0	7.2*		95*	
15-15-15	41750	11.8*	18.3	16.6		100	
15-15-15	42039	13.5*	15.8	15.3		98	
15-15-15	42441	11.8*	13.3*	16.3		89*	
15-15-15	42239	14.3	15.1	15.9		99	
46- 0- 0	41751	46.0	0.0	0.0		100	
WARNER FERTILIZER CO.		RUSSELL SPR. KY					
GRADE	NUM	N	APA	POT	XS CL	RV	
5-20-20	41756	4.7	18.2*	22.8		99	
6-12-12	41787	7.2	13.9	14.6		119	
10-10-10	42046	9.1*	10.5	12.0		102	
15-15-15	42048	15.1	15.8	18.4		107	
19-19-19	42047	16.8*	19.4	23.3		101	
WARRENS TURF NURSERY		PALOS PARK		IL			
GRADE	NUM	N	APA	POT	XS CL	RV	
10- 8- 4	41833	10.4	7.9	4.8		104	
WARSAW CHEMICAL CO., INC.		WARSAW		IN			
GRADE	NUM	N	APA	POT	XS CL	RV	
10-52- 8	42596	10.2	51.8	8.0		100	

TABLE 1. (Continued)

N B WHEELER & SON		SEDALIA			KY			
GRADE	NUM	N	APA	POT	XS	CL	RV	
6-17-36	42147	7.0	19.0	35.9			102	
8-22-29	42151	9.1	24.1	29.2			103	
21-11-14	42149	21.4	11.5	15.1			101	
21-11-14	42150	20.7	9.7*	17.8			99	
21-11-15	42148	21.0	11.5	14.8			99	
WILSON & GEO. MEYER CO.		S. SAN FRAN. CA			KY			
GRADE	NUM	N	APA	POT	XS	CL	RV	
15- 0- 0	42460	15.1	0.0	0.0			98	
15- 0- 0	43221	15.3	0.0	0.0			99	
WOODFORD FEED CO., INC.		VERSAILLES			KY			
GRADE	NUM	N	APA	POT	XS	CL	RV	
8- 8-16	42746	8.4	8.0	17.4			103	
10-10-20	42086	9.4	10.4	21.5			101	
12- 7-11	42483	12.1	8.1	12.6			105	
12- 9-18	42087	12.0	9.5	18.8			102	
13- 0-36	41848	13.9	0.0	35.8			101	
16- 0-25	42485	18.3	0.0	23.0*			102	
16- 0-30	42085	16.5	0.0	30.8			101	
16- 8- 8	41853	15.2	9.7	9.8			105	
22- 0-20	42088	21.7	0.0	20.7			99	
24- 0-15	42484	24.7	0.0	15.5			100	

TABLE 2. AVERAGE ANALYSIS (AA), OVERALL PERCENT OF GUARANTEE ACHIEVED (% OF GUAR.), AND COEFFICIENTS OF VARIATION (CV) OF OFFICIAL FERTILIZER SAMPLES OF CERTAIN GRADES AND COMPANIES.

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
AG/GRO FERTILIZER COMPANY Winchester, KY							
5-10-15	10	4.89	6.6	9.7	9.3	15.7	3.6
5-20-20	5	4.90	7.8	19.1	4.0	20.1	7.5
ALL GRADES, % OF GUAR.		98.7		96.1		101.6	
CV, %		6.6		10.5		6.2	
NUMBER OF ANALYSES		22		22		22	
AGRI-CHEM, INC. Hopkinsville, KY							
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ALL GRADES, % OF GUAR.		99.0		98.2		104.8	
CV, %		1.9		2.5		5.6	
NUMBER OF ANALYSES		10		10		10	
AGRICO CHEMICAL COMPANY Tulsa, OK							
0-46-0	5	---	---	46.7	0.9	---	---
18-46-0	8	17.7	1.5	46.8	1.2	---	---
ALL GRADES, % OF GUAR.		99.6		101.9		99.9	
CV, %		1.9		1.3		1.2	
NUMBER OF ANALYSES		18		14		4	
Cecilia, KY							
5-10-15	7	4.8	10.0	10.0	7.4	15.1	2.0
5-20-20	7	5.8	14.9	20.4	6.2	19.9	3.6
10-10-10	10	10.0	15.4	10.4	11.6	9.6	10.1
ALL GRADES, % OF GUAR.		103.0		104.3		99.1	
CV, %		15.6		10.6		9.8	
NUMBER OF ANALYSES		35		36		36	
Fredonia, KY							
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ALL GRADES, % OF GUAR.		112.7		101.3		98.3	
CV, %		23.8		6.2		12.1	
NUMBER OF ANALYSES		7		10		10	
Henderson, KY							
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ALL GRADES, % OF GUAR.		97.9		100.4		103.1	
CV, %		13.1		7.0		7.0	
NUMBER OF ANALYSES		7		12		12	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
AGRICO CHEMICAL COMPANY (continued) Morganfield, KY							
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ALL GRADES, % OF GUAR.		119.9		104.3		103.9	
CV, %		14.9		10.6		22.4	
NUMBER OF ANALYSES		8		9		10	
Owensboro, KY							
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ALL GRADES, % OF GUAR.		103.6		107.5		99.3	
CV, %		6.2		8.9		7.1	
NUMBER OF ANALYSES		6		10		10	
BARREN RIVER FERTILIZER COMPANY Glasgow, KY							
5-10-15	6	5.3	9.1	10.6	16.5	14.0	16.0
5-20-20	5	5.6	5.6	22.2	10.7	19.2	10.8
10-10-10	11	10.1	8.7	10.6	7.0	10.2	9.7
12-24-24	5	12.2	4.6	25.1	6.0	23.9	7.9
ALL GRADES, % OF GUAR.		104.0		106.9		98.5	
CV, %		7.4		11.1		10.4	
NUMBER OF ANALYSES		44		45		45	
BIG 4 FERT & CHEM COMPANY Bardstown, KY							
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ALL GRADES, % OF GUAR.		97.3		108.2		102.4	
CV, %		4.6		8.1		5.1	
NUMBER OF ANALYSES		9		9		8	
BLUEGRASS PLANT FOODS Danville, KY							
5-10-15	7	5.6	10.9	10.8	9.5	13.2	16.3
10-10-10	15	10.4	5.7	10.9	6.4	9.9	7.5
ALL GRADES, % OF GUAR.		105.2		104.6		97.7	
CV, %		7.8		9.0		11.4	
NUMBER OF ANALYSES		35		36		33	
BURLEY BELT CHEMICAL COMPANY Lexington, KY							
5-10-15	11	5.3	8.1	10.4	7.5	15.0	9.7
10-10-10	8	10.1	3.5	11.2	16.0	10.6	9.4
ALL GRADES, % OF GUAR.		100.7		104.6		106.3	
CV, %		11.8		11.8		13.8	
NUMBER OF ANALYSES		43		42		41	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
BURLEY BELT CHEMICAL COMPANY Cynthiana, KY		(Continued)					
10-10-10	6	8.9	16.0	11.4	9.2	12.3	11.5
ALL GRADES, % OF GUAR.		95.0		104.3		106.1	
CV, %		14.9		13.2		19.7	
NUMBER OF ANALYSES		13		15		14	
London, KY							
5-10-15	20	5.2	6.0	10.5	5.2	15.8	5.6
5-20-20	9	6.0	21.6	19.7	7.8	20.4	6.5
6-12-12	12	6.4	6.1	12.1	6.6	12.2	6.5
10-10-10	30	10.8	3.3	10.6	7.0	10.8	3.3
ALL GRADES, % OF GUAR.		101.9		102.4		106.8	
CV, %		11.7		7.7		12.3	
NUMBER OF ANALYSES		97		102		103	
Ferguson, KY							
5-10-15	8	5.2	6.5	10.8	11.6	15.2	3.8
5-20-20	7	5.2	4.6	19.6	5.0	20.6	2.1
10-10-10	8	9.2	9.1	10.3	8.6	10.8	5.0
ALL GRADES, % OF GUAR.		98.2		102.7		104.2	
CV, %		8.9		9.2		5.5	
NUMBER OF ANALYSES		29		32		32	
CAUDILL SEED COMPANY Shelbyville, KY							
10-5-5	6	9.9	3.6	4.8	22.7	4.4	7.6
ALL GRADES, % OF GUAR.		100.1		96.8		100.1	
CV, %		6.0		15.0		11.4	
NUMBER OF ANALYSES		17		16		17	
CF INDUSTRIES, INC. Long Grove, IL							
34-0-0	6	34.1	1.3	---	---	---	---
ALL GRADES, % OF GUAR.		100.6		---		---	
CV, %		1.4		---		---	
NUMBER OF ANALYSES		10		---		---	
FARMLAND INDUSTRIES, INC. Kansas City, MO							
6-24-24	5	6.3	4.7	23.8	2.3	23.9	0.8
ALL GRADES, % OF GUAR.		104.2		99.5		102.4	
CV, %		5.2		2.9		4.1	
NUMBER OF ANALYSES		11		11		11	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
FEDERAL CHEMICAL COMPANY Louisville, KY							
5-10-15	5	5.2	3.2	10.3	4.4	15.6	7.0
5-20-20	16	5.4	14.6	19.0	8.6	19.7	7.3
6-24-24	9	6.0	6.2	23.2	3.8	23.2	5.2
10-10-10	20	9.7	4.5	10.2	5.6	10.5	8.3
ALL GRADES, % OF GUAR.		101.2		100.7		104.0	
CV, %		14.0		8.2		9.3	
NUMBER OF ANALYSES		68		69		69	
FOURTH ST. FERTILIZER COMPANY Lexington, KY							
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ALL GRADES, % OF GUAR.		92.5		102.4		102.1	
CV, %		9.1		5.0		4.9	
NUMBER OF ANALYSES		10		9		10	
GLASGOW FERTILIZER COMPANY Glasgow, KY							
5-10-15	11	5.2	10.8	9.9	11.1	15.8	7.8
10-10-10	12	10.2	4.0	10.4	6.1	10.3	4.3
15-15-15	6	15.2	5.3	15.8	8.3	14.8	12.1
ALL GRADES, % OF GUAR.		102.4		101.7		101.1	
CV, %		7.1		9.7		8.7	
NUMBER OF ANALYSES		43		45		46	
W. R. GRACE & COMPANY Hopkinsville, KY							
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ALL GRADES, % OF GUAR.		103.1		111.1		96.5	
CV, %		12.8		13.8		18.5	
NUMBER OF ANALYSES		12		12		13	
Memphis, TN							
5-10-15	15	5.3	10.6	10.6	8.2	15.8	6.7
5-20-20	11	5.1	3.4	19.7	3.8	20.5	3.2
6-24-24	6	5.7	3.8	22.9	3.6	23.8	2.7
10-10-10	16	9.9	6.7	11.4	8.9	10.8	4.4
12-12-12	5	11.9	4.3	12.9	2.5	13.0	6.3
15-15-15	5	14.3	4.1	14.9	2.6	15.2	2.4
ALL GRADES, % OF GUAR.		101.7		104.6		105.1	
CV, %		7.8		9.0		6.1	
NUMBER OF ANALYSES		71		66		64	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
W. R. GRACE & COMPANY (continued) Nashville, TN							
5-20-20	5	5.1	2.0	19.8	3.8	20.0	3.7
6-24-24	13	5.7	3.3	22.9	6.0	23.2	4.7
ALL GRADES, % OF GUAR.		97.9		99.0		98.6	
CV, %		4.9		7.1		5.2	
NUMBER OF ANALYSES		24		27		27	
New Albany, IN							
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ALL GRADES, % OF GUAR.		106.0		104.2		106.2	
CV, %		9.3		8.1		13.5	
NUMBER OF ANALYSES		16		16		16	
GRO-GREEN CHEMICAL CO., INC. Shelbyville, KY							
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ALL GRADES, % OF GUAR.		103.3		108.4		97.8	
CV, %		16.8		22.2		15.2	
NUMBER OF ANALYSES		20		21		20	
Lebanon, KY							
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ALL GRADES, % OF GUAR.		100.9		104.2		104.7	
CV, %		8.4		7.6		8.9	
NUMBER OF ANALYSES		12		12		12	
Lexington, KY							
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ALL GRADES, % OF GUAR.		93.2		106.2		118.8	
CV, %		17.0		23.1		24.8	
NUMBER OF ANALYSES		11		10		11	
HOPKINSVILLE ELEVATOR COMPANY Hopkinsville, KY							
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ALL GRADES, % OF GUAR.		110.1		103.1		103.4	
CV, %		12.1		6.3		8.7	
NUMBER OF ANALYSES		7		10		10	
HUTSON CHEMICAL COMPANY Murray, KY							
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ALL GRADES, % OF GUAR.		102.9		100.5		103.8	
CV, %		13.0		10.6		12.7	
NUMBER OF ANALYSES		18		17		15	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
KAISER AGRI. CHEMICAL Louisville, KY							
5-10-15	21	5.2	6.5	10.9	6.8	15.8	6.1
5-20-20	6	5.2	15.2	18.3	5.8	19.8	4.8
6-24-24	8	6.1	7.3	22.9	1.5	23.3	4.9
10-10-10	13	9.7	4.8	10.0	7.3	11.1	10.1
12-12-12	5	10.9	5.4	12.5	3.6	12.5	11.6
ALL GRADES, % OF GUAR.		100.2		102.9		106.1	
CV, %		8.1		8.6		11.1	
NUMBER OF ANALYSES		70		68		68	
KENTUCKY FERTILIZER WORKS Winchester, KY							
0-20-20	5	---	---	18.5	6.6	19.8	5.5
5-10-15	6	4.9	11.7	9.9	14.5	16.1	10.3
10-10-10	5	8.9	8.8	9.8	7.8	11.8	7.0
ALL GRADES, % OF GUAR.		98.1		99.0		104.8	
CV, %		17.9		10.0		13.9	
NUMBER OF ANALYSES		23		28		27	
KERR-MCGEE FARM CENTER Pembroke, KY							
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ALL GRADES, % OF GUAR.		96.4		98.2		110.4	
CV, %		8.6		11.4		18.7	
NUMBER OF ANALYSES		10		10		10	
MISSISSIPPI CHEMICAL CORP. Yazoo City, MS							
34-0-0	5	34.0	1.5	---	---	---	---
ALL GRADES, % OF GUAR.		100.2		98.4		99.4	
CV, %		1.9		2.9		7.5	
NUMBER OF ANALYSES		8		3		3	
NORTH AMERICAN FERTILIZER COMPANY Louisville, KY							
5-10-15	13	4.9	16.5	10.0	7.6	16.4	10.8
5-20-20	8	5.4	8.3	21.0	5.2	18.9	6.8
6-24-24	6	6.3	10.3	24.5	3.3	22.4	7.3
10-10-10	13	10.0	4.0	10.5	7.8	9.4	11.3
19-19-19	6	18.6	2.7	19.8	5.2	19.9	5.4
ALL GRADES, % OF GUAR.		100.0		102.2		100.2	
CV, %		9.9		7.0		11.4	
NUMBER OF ANALYSES		62		60		59	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
OHIO VALLEY FERTILIZER, INC. Maysville, KY							
5-10-15	13	5.2	6.5	10.8	6.0	16.0	5.1
10-10-10	7	9.5	17.2	11.0	9.5	12.1	13.1
10-10-20	5	9.1	6.7	9.5	5.8	20.8	7.1
ALL GRADES, % OF GUAR.		102.7		106.0		108.1	
CV, %		19.1		9.0		12.7	
NUMBER OF ANALYSES		31		31		31	
POORES FERTILIZER & CHEMICAL, INC. Albany, KY							
10-10-10	5	9.4	11.1	9.2	9.0	11.8	5.9
15-15-15	5	13.8	8.2	13.3	13.8	18.0	13.2
ALL GRADES, % OF GUAR.		96.6		91.6		114.5	
CV, %		9.1		8.7		9.5	
NUMBER OF ANALYSES		18		18		18	
SMITH-DOUGLAS DIVISION Russellville, KY							
5-10-15	7	6.2	8.2	11.0	13.5	15.1	9.7
5-20-20	8	5.6	9.1	23.2	12.6	19.0	10.6
6-24-24	24	6.2	6.5	23.4	7.7	24.5	8.5
10-10-10	7	10.6	6.4	10.7	7.9	11.3	9.6
16-8-8	10	14.2	2.6	9.4	14.8	10.2	6.7
18-46-0	10	17.2	4.4	45.4	3.7	---	---
ALL GRADES, % OF GUAR.		104.2		104.6		106.1	
CV, %		11.5		12.2		12.3	
NUMBER OF ANALYSES		77		77		66	
SOUTHERN STATES COOP., INC. Richmond, VA							
28-0-0	7	28.5	1.3	---	---	---	---
ALL GRADES, % OF GUAR.		99.3		99.9		105.5	
CV, %		3.8		9.1		6.8	
NUMBER OF ANALYSES		14		9		8	
Louisville, KY							
4-16-4	14	4.2	5.6	16.3	3.2	4.6	11.3
5-10-15	23	5.2	11.7	9.9	11.8	16.1	5.6
5-20-20	10	5.3	12.3	19.9	11.6	20.1	20.7
6-12-12	5	6.2	9.5	11.7	6.8	12.3	11.5
10-10-10	32	9.9	6.8	10.4	9.1	10.2	15.0
ALL GRADES, % OF GUAR.		102.1		101.5		105.2	
CV, %		9.3		9.4		13.5	
NUMBER OF ANALYSES		89		91		91	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
SOUTHERN STATES COOP., INC. (continued) Russellville, KY							
5-10-15	27	5.2	6.5	9.9	4.2	15.7	7.6
5-20-20	11	5.3	5.8	19.4	2.9	20.4	3.2
6-24-24	14	6.1	4.5	23.2	7.1	24.4	4.9
10-10-10	21	10.1	5.4	10.3	8.0	11.1	9.8
12-12-12	8	12.0	4.1	12.6	7.7	12.8	3.6
ALL GRADES, % OF GUAR.		103.1		99.8		105.9	
CV, %		6.0		6.4		7.8	
NUMBER OF ANALYSES		96		96		92	
Winchester, KY							
5-10-15	10	5.5	6.9	10.3	5.0	15.6	6.1
5-20-20	17	5.5	9.9	20.8	3.9	23.9	9.3
10-10-10	14	9.9	8.3	10.4	12.8	10.2	12.6
ALL GRADES, % OF GUAR.		104.4		102.8		99.8	
CV, %		10.6		8.2		11.1	
NUMBER OF ANALYSES		56		57		57	
S. S. COOP.-CALDWELL SERVICE Princeton, KY							
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ALL GRADES, % OF GUAR.		101.9		103.3		96.2	
CV, %		3.4		4.3		7.3	
NUMBER OF ANALYSES		8		11		11	
S. S. LAWRENCEBURG COOP. Lawrenceburg, KY							
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ALL GRADES, % OF GUAR.		100.2		101.9		101.2	
CV, %		6.0		4.2		6.3	
NUMBER OF ANALYSES		8		9		10	
S. S. COOP.-RICHMOND SERVICE Richmond, KY							
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ALL GRADES, % OF GUAR.		98.2		101.8		104.8	
CV, %		6.5		8.6		5.4	
NUMBER OF ANALYSES		10		10		9	
S. S. SHELBYVILLE COOP. Shelbyville, KY							
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ALL GRADES, % OF GUAR.		101.5		102.0		100.8	
CV, %		8.7		7.1		3.6	
NUMBER OF ANALYSES		7		9		10	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
STEWART FERTILIZER SERVICE Mt. Vernon, KY							
10-10-10	6	9.9	5.6	10.2	6.3	10.2	7.4
ALL GRADES, % OF GUAR.		101.3		109.0		102.0	
CV, %		8.5		18.4		10.7	
NUMBER OF ANALYSES		16		16		16	
SWIFT FARM CENTER E. Bernstadt, KY							
5-10-15	7	5.1	15.6	10.2	12.8	15.0	8.3
5-20-20	6	4.8	21.2	19.8	15.9	19.0	20.8
10-10-10	8	9.8	5.3	10.5	12.6	10.6	10.3
ALL GRADES, % OF GUAR.		98.3		99.6		102.3	
CV, %		12.7		13.0		11.8	
NUMBER OF ANALYSES		28		30		30	
SWIFT AGR. CHEM. CORP. Hopkinsville, KY							
5-10-15	16	5.3	15.6	10.5	13.4	16.2	5.9
5-20-20	11	5.4	13.0	19.5	9.7	20.0	6.9
6-12-18	5	6.4	4.1	10.8	3.8	17.9	5.6
6-24-24	10	6.0	5.8	23.8	6.2	23.7	13.6
10-10-10	15	10.3	5.3	10.7	9.5	11.3	7.2
ALL GRADES, % OF GUAR.		104.1		102.4		106.3	
CV, %		10.6		11.6		12.3	
NUMBER OF ANALYSES		70		70		70	
UNION FERTILIZER Morganfield, KY							
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ALL GRADES, % OF GUAR.		101.1		104.6		104.4	
CV, %		10.9		5.4		9.0	
NUMBER OF ANALYSES		4		10		10	
USS AGRI-CHEMICALS Jeffersonville, IN							
5-10-5	8	5.4	7.9	10.5	13.4	6.9	20.7
5-10-15	62	5.5	7.5	10.4	5.7	15.4	4.4
5-20-20	26	5.4	12.6	20.1	3.7	19.9	5.4
6-24-24	7	6.0	4.2	23.5	4.0	24.3	4.1
7-28-28	6	7.5	6.4	28.1	2.5	27.7	1.5
10-10-10	46	10.3	3.7	9.9	4.7	10.4	5.9
10-10-20	7	10.0	3.9	10.8	7.3	19.2	7.1
13-13-13	8	12.3	4.4	12.9	3.3	13.4	5.3
ALL GRADES, % OF GUAR.		105.5		102.3		104.0	
CV, %		8.3		7.2		10.3	
NUMBER OF ANALYSES		193		186		184	

TABLE 2. Continued

GRADE	NUMBER SAMPLES	ANALYTICAL AND STATISTICAL FINDINGS					
		N		P ₂ O ₅		K ₂ O	
		AA	CV	AA	CV	AA	CV
USS AGRI-CHEMICALS (continued) Nashville, TN							
5-10-15	12	5.4	9.3	9.7	4.4	15.2	4.3
5-20-20	10	5.4	4.0	19.4	2.5	20.9	3.8
6-12-12	7	6.1	3.1	12.0	3.0	12.4	8.8
6-12-18	7	6.0	4.4	12.1	4.4	17.9	3.9
7-28-28	26	7.4	4.6	28.8	3.9	27.3	4.3
10-10-10	9	10.0	3.3	10.3	5.0	10.1	2.6
14-14-14	8	14.3	3.6	14.9	3.5	14.6	4.9
ALL GRADES, % OF GUAR.		104.3		101.1		101.4	
CV, %		5.8		4.5		5.9	
NUMBER OF ANALYSES		98		97		97	
WARNER FERTILIZER COMPANY Somerset, KY							
5-10-15	18	5.1	7.5	9.7	6.5	15.6	9.1
5-20-20	9	5.2	13.9	19.4	9.5	19.9	8.8
10-10-10	25	9.8	10.1	10.0	7.9	10.7	10.8
ALL GRADES, % OF GUAR.		99.9		99.1		105.1	
CV, %		10.7		8.3		9.4	
NUMBER OF ANALYSES		61		62		62	
WOODFORD FEED CO., INC. Versailles, KY							
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ALL GRADES, % OF GUAR.		99.9		107.8		105.1	
CV, %		4.7		7.5		7.6	
NUMBER OF ANALYSES		10		5		10	

TABLE 3. RESULTS OF THE ANALYSES OF CERTAIN OFFICIAL FERTILIZER SAMPLES FOR SECONDARY AND MINOR ELEMENTS AND FOR ORGANIC NITROGEN (WIN). Deficiencies are indicated with an asterisk "*" and excessive amounts with an "E".

COMPANY	SAMPLE NUMBER	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
AG SERVICES OF CLAY Clay, KY	42842	23- 1- 3	Zn	0.05	0.05
AGRICO CHEMICAL CO. Bowling Green, KY	41939	4-19-19	B	0.50	0.65
Horse Cave, KY	41591	0-21-31	B	0.36	0.13*
Morganfield, KY	41392	0- 0-60	Mn	0.38	0.51
ALLEN CO. FARMERS SERVICE Scottsville, KY	42619	23-13-12	B	0.16	0.36E
	42619	23-13-12	Mg	1.69	2.29
	42620	23-14-18	B	0.16	0.24
BARREN RIVER FERT. CO., INC. Glasgow, KY	43145	5-10-15	Mg	0.50	0.28*
	41508	10- 0- 0	WIN	9.20	9.57
	42311	10- 0- 0	WIN	9.40	9.62
BURLEY BELT CHEMICAL CO. Lexington, KY	41883	6-12-18	Mg	2.00	2.28
	41062	10-10-20	Mg	1.00	1.12
	41850	10-10-20	Mg	1.00	1.35
	41061	12-12-12	Mg	1.00	2.01E
	43157	12-12-12	Mg	2.00	0.85*
London, KY	41441	6-24-24	Mg	1.00	1.20
			Zn	1.00	0.81
	41096	7- 0- 0	WIN	6.30	7.09
	41442	10-10-15	Mg	1.00	0.69*
	41665	10-10-15	Mg	1.00	1.22
	41666	10-10-20	Mg	1.00	1.21
	41443	12-12-12	Mg	2.00	2.20
Ferguson, KY	41494	0-20-20	B	0.57	0.20*
	42926	10-10-10	Zn	1.38	0.67*
CAUDILL SEED CO. Shelbyville, KY	42091	5-23-22	B	0.84	0.87
CENTRAL KY AERIAL SPRAY INC. Danville, KY	41384	0- 0-30	B	0.52	0.47
CIRCLE O FARM CENTER Marion, KY	42557	11- 7-11	Zn	0.03	0.03
FARMLAND INDUSTRIES, INC. Kansas City, MO	42002	7-28-28	Mg	0.05	0.20E
			Zn	0.05	0.05
	42003	7-28-28	Mg	0.05	0.20E
			Zn	0.05	0.04
FEDERAL CHEMICAL CO. Louisville, KY	43217	4-12-16	Mg	3.00	1.78*
			Cu	0.05	0.01*
			Zn	0.50	0.13*
	40469	5-20-20	B	0.45	0.38*
	42062	10-10-15	Zn	0.05	0.11E
			Mg	1.50	2.36
			Cu	0.05	0.02*
	41860	12-12-12	Mg	2.00	0.92*
			Zn	0.05	0.09

TABLE 3. Continued

COMPANY	SAMPLE NUMBER	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
FRIT INDUSTRIES Ozark, AL	40837	0- 0- 0	Mg	36.00	28.30*
GLASGOW FERTILIZER CO. Glasgow, KY	42552	5-10-15	Mg	1.00	1.75
	41279	0-20-20	B	0.57	0.42*
	41276	5-10-15	Mg	1.00	1.67
W. R. GRACE & CO. Hopkinsville, KY	42065	4-14-14	Mg	0.03	0.27E
	Memphis, TN	42144	6-38- 6	Mg	0.50
			Mn	0.50	0.46
			Zn	1.50	1.25
New Albany, IN	42916	5-15-30	Mn	3.00	2.39*
	42917	6-38- 6	Mn	0.50	0.41
			Mg	0.50	0.47
			Zn	1.50	1.42
GREEN CO. FARM SUPPLY Greensburg, KY	43064	0-17-35	B	0.48	0.46
GRO-GREEN CHEMICAL CO., INC. Shelbyville, KY	41351	0- 9-29	B	0.41	0.39
	42098	4-19-19	B	0.81	1.23
	41350	8-12-15	Mg	2.00	4.58E
			B	0.10	0.04*
	41659	8-24-10	Mg	1.00	1.32
	42096	21- 9-17	B	0.30	0.13*
Zn			0.51	0.46	
GRO-GREEN SALES CO. Lebanon, KY	42579	22-11-18	B	0.36	0.60
			Zn	0.61	0.85
HUTSON CHEMICAL CO. Murray, KY	41866	0-10-30	B	0.56	0.62
	41865	10-10-10	B	0.75	0.56*
JOHNSON CITY CHEMICAL CO., INC. Johnson City, TN	41828	7- 0- 0	WIN	6.50	6.02
	42135	7- 0- 0	WIN	6.50	6.73
	41657	7- 0- 0	WIN	6.50	5.93
KAISER AGRI. CHEM. Louisville, KY	43216	4-12-16	Mg	3.00	1.26*
			Cu	0.05	0.02*
			Zn	0.50	0.06*
	41807	10-10-15	Mg	1.50	2.61
			Zn	0.05	0.08
	41996	10-10-15	Mg	1.50	2.19
			Cu	0.05	0.02*
			Zn	0.05	0.09
	41807	10-10-15	Cu	0.05	0.02*
KENTUCKY FERTILIZER WORKS Winchester, KY	42792	0-20-20	B	0.57	0.52

TABLE 3. Continued

COMPANY	SAMPLE NUMBER	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
KERR-MCGEE FARM CENTER Pembroke, KY	41799	10-25-25	Zn	0.55	0.58
	42685	6-25-25	Mn	0.18	0.31
			Zn	0.16	0.32E
	41799	10-25-25	Cu	0.06	0.04*
			Mn	0.17	0.15
LOUISVILLE SEED CO., INC. Louisville, KY	42023	10- 0- 0	WIN	9.30	9.78
	42593	10- 0- 0	WIN	9.30	9.69
	42650	10- 0- 0	WIN	9.30	9.34
NORTH AMERICAN FERTILIZER CO. Louisville, KY	41267	5-20-20	B	0.57	0.56
			B	0.57	0.44*
			Mg	1.20	2.20
	40952	9- 9-17	Mn	0.27	0.18*
			Zn	0.25	0.22
			Mg	1.20	1.29
			Mn	0.27	0.25
	43030	9- 9-17	Zn	0.25	0.16*
			Mg	1.20	
			Mn	0.27	
OHIO VALLEY FERTILIZER, INC. Maysville, KY	41539	7- 0- 0	WIN	6.40	4.66*
POORES FERT. & CHEM. INC. Albany, KY	42925	15-15-15	Zn	0.0	1.66E
SEWERAGE COM., CITY MILWAUKEE Milwaukee, WI	42621	6- 2- 0	Fe	4.50	4.63
			WIN	5.50	6.14
SMITH-DOUGLAS DIV. Russellville, KY	40344	6-12-18	Mg	0.50	0.29*
			Zn	0.05	0.09
	40838	6-24-24	Mg	0.50	0.20*
			Mn	0.05	0.07
	40449	6-24-24	Zn	0.05	0.11E
			Mg	0.50	0.20*
			Mn	0.05	0.19E
	40473	6-24-24	Zn	0.05	0.22E
			Mn	0.05	0.08
			Zn	0.05	0.14E
	40475	6-24-24	Mn	0.05	0.14E
			Zn	0.05	0.25E
	40533	6-24-24	Mn	0.05	0.30
			Zn	0.05	0.06
	40838	6-24-24	Mg	0.17	0.10E
			Mn	0.05	0.11E
41028	6-24-24	Mn	0.05		
		Zn	0.05		
SOUTHERN STATES COOP., INC. Richmond, VA	40968	7- 0- 0	WIN	6.50	6.45
	41127	7- 0- 0	WIN	6.50	7.05
	41311	7- 0- 0	WIN	6.50	7.11
	41671	7- 0- 0	WIN	6.50	5.95
	40571	16- 4- 8	Mg	1.50	2.36
Louisville, KY	41189	0-12-40	B	0.45	0.45
S. S. BOYLE COOP. Danville, KY	41662	11- 0-39	B	0.17	0.25

TABLE 3. Continued

COMPANY	SAMPLE NUMBER	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
S. S. COOP.-CALDWELL SERVICE Princeton, KY	40785	0-21-28	B	0.23	0.18*
			Zn	0.71	0.98
S. S. CYNTHIANA COOP. Cynthiana, KY	42468	11- 7-23	Zn	0.39	0.43
	41820	8- 0-44	B	0.16	0.39E
	42468	11- 7-23	Mg	2.86	3.65
S. S. HENDERSON COOP. Henderson, KY	40544	0-16-20	Mn	0.82	0.84
	42254	0-20-32	Zn	0.22	0.20
S. S. HORSE CAVE COOP. Horse Cave, KY	43115	0-24-24	B	0.33	0.24*
S. S. MADISONVILLE COOP. Madisonville, KY	43116	6-17-34	B	0.40	0.47
			Zn	0.69	0.63
S. S. COOP., SEBREE SERVICE Sebree, KY	42251	11-28-21	B	0.43	0.56
	40628	0-15-19	B	0.16	0.30
	42850	2-18-33	B	0.10	0.14
			Mn	0.42	0.41
			Zn	0.42	0.46
S. S. SHELBYVILLE COOP. Shelbyville, KY	42101	0-12-41	Zn	0.24	0.73E
SPRINGFIELD FARM SERVICE Springfield, KY	42718	17-12-22	Zn	0.11	0.14
SWIFT FARM CENTER E. Bernstadt, KY	41374	5-10-15	Mg	0.50	0.42*
			Mn	0.05	0.16E
	40873	6-12-18	Mg	0.50	0.50
			Cu	0.05	0.00*
			Mn	0.05	0.04*
			Zn	0.05	0.07
			Mg	0.50	0.40*
	40903	6-12-18	Mn	0.05	0.06
			Zn	0.05	0.05
			Mg	0.50	0.45*
	40962	6-12-18	Mn	0.05	0.12E
			Zn	0.05	0.17E
			Cu	0.05	0.01*
	41374	5-10-15	Zn	0.05	0.24E
	SWIFT AGRICULTURAL CHEMICAL CORP. Hopkinsville, KY	40411	3-10-30	Mg	0.50
Cu				0.05	0.00*
Mn				0.05	0.03*
Zn				0.05	0.06
Mg				0.50	0.72
41474		6-12-18	Mg	0.50	0.46
41218		4-16- 4	Cu	0.05	0.01*
			Mn	0.05	0.23E
			Zn	0.05	0.22E
			Mg	0.50	0.72
			Cu	0.05	0.0 *
41747		4-16- 4	Mn	0.05	0.04*
			Zn	0.05	0.03*

TABLE 3. Continued

COMPANY	SAMPLE NUMBER	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
SWIFT AGRICULTURAL CHEMICAL CORP. Hopkinsville, KY (Continued)	41476	5-20-20	Mg	0.50	0.34*
			Cu	0.05	0.00*
			Mn	0.05	0.06
			Zn	0.05	0.05
	42230	5-20-20	Mg	0.50	0.69
			Cu	0.05	0.01*
			Mn	0.05	0.06
			Zn	0.05	0.12E
	41217	6-12-18	Mg	0.50	0.56
			Cu	0.05	0.01*
			Mn	0.05	0.06
			Zn	0.05	0.10E
	41474	6-12-18	Mn	0.05	0.12E
			Zn	0.05	0.12E
	41580	6-12-18	Mg	0.50	0.00*
			Mn	0.05	0.08
			Zn	0.05	0.05
	41781	6-12-18	Mg	0.50	0.72
			Mn	0.05	0.10
			Zn	0.05	0.11E
	43024	6-12-18	Mg	0.50	0.65
			Mn	0.05	0.06
			Zn	0.05	0.03*
	42231	6-24-24	Mg	0.50	0.28*
			Cu	0.05	0.01*
			Zn	0.05	0.11E
	42250	6-24-24	Mg	0.50	0.27*
Cu			0.05	0.00*	
Zn			0.05	0.03*	
43080	6-24-24	Mg	0.50	0.13*	
		Zn	0.05	0.05	
43201	6-24-24	Mg	0.50	0.29*	
		Zn	0.05	0.10E	
USS AGRI-CHEMICALS Jeffersonville, IN	40511	5-10- 5	WIN	1.00	1.13
			Mn	3.00	3.40
	41645	5-10-30	Zn	0.05	0.05
			Mn	3.00	2.49
	42179	5-10-30	Zn	0.05	0.03*
			Mn	0.05	0.04
	41813	6-24-24	Zn	0.05	0.04
			Mn	0.05	0.05
	42655	6-24-24	Zn	0.05	0.04
			Mn	0.05	0.10E
	41289	7-28-28	Zn	0.05	0.08
			Mg	0.05	0.21E
	41812	7-28-28	Zn	0.05	0.09
			Mn	0.05	0.07
	41922	7-28-28	Zn	0.05	0.08
			Mn	0.05	0.11E
	42181	7-28-28	Zn	0.05	0.05
			Mn	0.05	0.10
	42679	7-28-28	Zn	0.05	0.04
			Mn	0.05	0.06
	41816	7-40- 5	Zn	1.00	0.80*
			Mn	0.05	0.05
	41080	10-10-10	Zn	0.05	0.08
			Mn	0.05	0.05
	42444	10-10-10	Zn	0.05	0.05
			Mn	0.05	0.05

TABLE 3. Continued

COMPANY	SAMPLE NUMBER	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
USS AGRI-CHEMICALS Jeffersonville, IN (Continued)	41923	14-14-14	Mn	0.05	0.11E
			Zn	0.05	0.12E
	42766	14-14-14	Mn	0.05	0.03*
			Zn	0.05	0.03*
USS AGRI-CHEMICALS Nashville, TN	41122	5-20-20	Mn	0.05	0.06
			Zn	0.05	0.12
	41741	5-20-20	Mn	0.05	0.05
			Zn	0.05	0.08
	41986	5-20-20	Mn	0.05	0.06
			Zn	0.05	0.08
	42057	5-20-20	Mn	0.05	0.06
			Zn	0.05	0.07
	41121	6-12-12	Mn	0.05	0.05
			Zn	0.05	0.08
	40414	7-28-28	Mn	0.05	0.04
			Zn	0.05	0.03*
	40458	7-28-28	Mn	0.05	0.04*
			Zn	0.05	0.04*
	40477	7-28-28	Mn	0.05	0.05
			Zn	0.05	0.04
	40671	7-28-28	Mn	0.05	0.04
			Zn	0.05	0.03*
	40761	7-28-28	Mn	0.05	0.05
			Zn	0.05	0.04*
	41512	7-28-28	Mg	0.05	0.24E
			Zn	0.05	0.06
	43200	7-28-28	Mn	0.05	0.07
			Zn	0.05	0.06
	41142	8-32-16	Mn	0.05	0.06
			Zn	0.05	0.07
	41987	10-10-10	Mn	0.05	0.05
			Zn	0.05	0.11E
	40413	14-14-14	Mn	0.05	0.04*
			Zn	0.05	0.04
	40459	14-14-14	Mn	0.05	0.03*
			Zn	0.05	0.05
41629	14-14-14	Mn	0.05	0.04*	
		Zn	0.05	0.04	
42068	14-14-14	Mn	0.05	0.02*	
		Zn	0.05	0.09	
42555	14-14-14	Mn	0.05	0.03*	
		Zn	0.05	0.06	
41141	15-40- 5	Zn	1.00	0.85	
41521	15-40- 5	Zn	1.00	0.81	
USS FARM SERVICE CENTER Utica, KY	40815	0-22-30	Mn	0.02	0.03
			Zn	0.20	0.24
VIRGINIA CHEMICALS, INC. Portsmouth, VA	40468	0- 0- 0	Zn	36.00	35.88
WARNER FERTILIZER CO. Somerset, KY	41752	5-20-20	B	0.50	0.42*
WILSON & GEO. MEYER CO. S. San Francisco, CA	42460	15- 0- 0	Ca	19.00	18.65

TABLE 4. COMPANIES REGISTERED TO SELL FERTILIZER IN KENTUCKY AS OF JUNE 30, 1977.

ADAIR FARMERS SERVICE, INC. COLUMBIA KY 42728	AGRICO CHEMICAL CO BOX R CLARKSON KY 42726
AG/GRD FERTILIZER CO. 28 HILL STREET WINCHESTER KY 40391	AGRICO CHEMICAL CO BOX 395 CLAY KY 42404
AG-MAD FERTILIZER P.O. BOX 253 MADISON IN 47250	AGRICO CHEMICAL CO FREDONIA KY 42411
AG SERVICES OF CLAY BOX 486 CLAY KY 42404	AGRICO CHEMICAL CO BOX 145 HARTFORD KY 42347
AG. SUPPLY CO INDUSTRIAL DR HUPKINSVILLE KY 42240	AGRICO CHEMICAL CO. BOX 25 HENDERSON KY 42420
AGRI-CHEM, INC. HUPKINSVILLE KY 42240	AGRICO CHEMICAL CO. BOX 1349 HENDERSON KY 42420
AGRI-SUL INC. P.O. BOX 188 MINEOLA TX 75773	AGRICO CHEMICAL CO 307 W MAIN ST HODGENVILLE KY 42748
AGRICO CHEMICAL CO. P.O. BOX 3166 TULSA OK 74101	AGRICO CHEMICAL CO BOX 575 HORSE CAVE KY 42749
AGRICO CHEMICAL CO WASHINGTON CH OH 43160	AGRICO CHEMICAL CO BOX 65 IRVINGTON KY 40146
AGRICO CHEMICAL CO BOX 873 BOWLING GREEN KY 42101	AGRICO CHEMICAL CO ROUTE 3 MADISONVILLE KY 42431
AGRICO CHEMICAL CO BOX 7 CECILIA KY 42724	AGRICO CHEMICAL CO BOX 86 MORGANFIELD KY 42437

TABLE 4. (Continued)

AGRICO CHEMICAL CO 108 RIVER RD OWENSBORO KY 42302	AMERICAN CYANAMID CO. P. O. BOX 400 PRINCETON NJ 08540
AGRICO CHEMICAL CO BOX 284 RUSSELLVILLE KY 42276	AMERICAN PELLETIZING CORP P.O. BOX 446 DAYTON OH 45459
AGRICO CHEMICAL CO SACRAMENTO KY 42372	AMWAY CORP. 7575 E. FULTON ROAD ADA MI 49355
AGRICO CHEMICAL CO BOX 266 STURGIS KY 42459	ANCO PRODUCTS COMPANY P.O. BOX 24343 DAYTON OH 45424
AGRILAWN INC. P.O. BOX 994 OWENSBORO KY 42301	THE ANDERSONS, SPECIALTIES DIV BOX 119 MAUMEE OH 43537
AGRO-MARKETING CO. 2828 N. MAIN DECATUR IL 62526	ANVIL MINERAL PRODUCTS CORP. BOX Q BAY SPRINGS MS 39422
AIR PRODUCTS & CHEMICALS INC. P. O. BOX 467 PENSACOLA FL 32592	AREX CORPORATION 1301 DOTHAN RD. BAINBRIDGE GA 31717
ALBERTO-CULVER COMPANY 2525 ARMITAGE AVE. MELROSE PARK IL 60160	ASKEW FARM SERVICE ROUTE 1 HOPKINSVILLE KY 42240
ALLEN CO. FARMERS SERVICE 409 EAST MAIN STREET SCOTTSVILLE KY 42164	AVI (ASSOC. VENTURES, INC.) BOX 10 STEPHEN ST. LEMONT IL 60439
ALLENSVILLE CROP SERVICE ALLENSVILLE KY 42204	AYERS SEED & FERTILIZER BOX 308 MORGANTOWN KY 42261
ALLIED CHEM CORP.-AGRI DIV. BOX 2120 HOUSTON TX 77001	AYR WAY STORES INDIANAPOLIS IN 46268

TABLE 4. (Continued)

BAILEY GRAIN COMPANY, INC. ROUTE 1 CALVERT CITY KY 42029	BISHOP CO.-DIV LEBANON CHEM P. O. BOX 317 LEBANON PA 17042
BAILEY GRAIN COMPANY, INC. 8TH & JAMES MAYFIELD KY 42066	BLACK LEAF PRODUCTS CO 667 N STATE ST ELGIN IL 60120
BALLARD CO. COOP. LA CENTER KY 42056	BLUEGRASS PLANT FOODS BOX 310 CYNTHIANA KY 41031
BARLOWS FARM CENTER P.O. BOX 155 GLENDALE KY 42740	BLUEGRASS PLANT FOODS BOX 113 DANVILLE KY 40422
BARREN RIVER FERT. CO., INC P.O. BOX 156 GLASGOW KY 42141	BONNIE PLANT FARM ROUTE 3, BOX 198-C UNION SPRINGS AL 36089
BEAUCHAMPS FARM SERVICE ROUTE 2 LEITCHFIELD KY 42754	BOURBON FARM SERVICE 1488 SOUTH MAIN ST. PARIS KY 40361
BELL CO. FARM SUPPLY, INC. BOX 89 MIDDLESEORD KY 40965	BRANDT CHEMICAL CO. BOX 276 PLEASANT PLNS IL 62677
BEREA FARM SERVICE BOX 150-PROSPECT ST. BEREA KY 40403	OTIS BRYANT & SON MILLING CO. CANEYVILLE KY 42721
BIG FOUR FEED & IMPLEMENT CO. WEST MAPLE ST. SCOTTSVILLE KY 42164	RAY BRYANT & SON 130 THOMAS AVE BOWLING GREEN KY 42101
BIG 4 FERT & CHEM CO. ROUTE #1 BARDSTOWN KY 40004	BUNTON SEED CO. 939 E. JEFFERSON ST. LOUISVILLE KY 40206
BIOCHEMICAL RES & DEV CORP P.O. BOX 14682 AUSTIN TX 78761	BURGESS VIBROCRAFTERS, INC. RT. 83 GRAYSLAKE IL 60030

TABLE 4. (Continued)

BURKHART FEED MILL BOX 127 AUBURN KY 42206	BURLEY BELT-BAKER BOX 108 VERONA KY 41092
BURKESVILLE FERTILIZER PLANT BURKESVILLE KY 42717	CALLOWAY CO. SOIL IMP. ASSN. BOX 351 MURRAY KY 42071
BURLEY BELT CHEMICAL CO. BOX 5150 LEXINGTON KY 40505	CAMPBELLSVILLE CROP SERVICE P O BOX 7 CAMPBELLSVILL KY 42718
BURLEY BELT CHEMICAL CO. P. O. BOX 310 CYNTHIANA KY 41031	CAR-REN INCORPORATED P.O. BOX 964 COLUMBUS MS 39701
BURLEY BELT CHEMICAL CO. EKRON KY 40117	CAR-REN INCORPORATED P.O. BOX 9300 MINNEAPOLIS MN 55440
BURLEY BELT CHEMICAL CO. BOX 130 LONDON KY 40741	CAREFREE GARDEN PRODUCTS P.O. BOX 383 W. CHICAGO IL 60185
BURLEY BELT CHEMICAL CO. BOX 306 FERGUSON KY 42533	CARGILL, INC. 1630 CARGILL BLDG. MINNEAPOLIS MN 55402
BURLEY BELT CHEMICAL CO. ROUTE 1 GEORGETOWN KY 40324	CARLISLE FERTILIZER BOX 177 BARDWELL KY 42023
BURLEY BELT CHEMICAL CO. P.O. BOX 490 HARRODSBURG KY 40330	DONALD CARNEY & SON RT. 1 SPRINGFIELD KY 40069
BURLEY BELT CHEMICAL CO. HAYES WAREHOUSE RUSSELL SPRNG KY 42642	CAUDILL SEED CO. BOX 348 SHELBYVILLE KY 40065
BURLEY BELT CHEMICAL CO. WAREHOUSE STANFORD KY 40484	CAYCE LIME & FERTILIZER ROUTE 4 FULTON KY 42041

TABLE 4. (Continued)

C & D STORE MACKVILLE KY 40040	CHEM-LAWN CORP. LOUISVILLE 10100 BUNSEN WAY LOUISVILLE KY 40299
C & E PRODUCTS, INC. BOX 192, R#3 LE MARS IA 51031	CHEVRON CHEMICAL CO. P.O. BOX 242 FORT MADISON IA 52627
CENTRAL FARMERS SUPPLY P.O. BOX 1 GREENSBURG KY 42743	CHEVRON CHEMICAL CO-ORTHO DIV 940 HENSLEY ST. RICHMOND CA 94804
CENTRAL KY AERIAL SPRAY INC. BOX 509 DANVILLE KY 40422	CHILEAN NITRATE SALES CORP. 1 WORLD TRADE CTR NEW YORK NY 10048
C.F. CHEMICALS, INC. PO BOX 1479 BARTOW FL 33830	CHRISTIAN CO. SUPPLY CO. SKYLINE DRIVE HOPKINSVILLE KY 42240
CF INDUSTRIES, INC. SALEM LAKE DRIVE LONG GROVE IL 60047	CIBA-GEIGY CORP. P.O. BOX 11422 GREENSBORO NC 27409
CHEMICAL FERTILIZERS SERVICES P.O. BOX 18 VINCENNES IN 47591	CIRCLE "J" RR#1 CLINTON KY 42031
CHEM-LAWN CORP. 5825 GLENRIDGE DR. NE ATLANTA GA 30328	CIRCLE O FARM CENTER MARION KY 42064
CHEM-LAWN CORP. 450 W. WILSON BRIDGE COLUMBUS OH 43085	CIRCLE O FARM CENTER 2ND & MONROE ST. STURGIS KY 42459
CHEM-LAWN CORP. 7980 KENTUCKY DR. FLORENCE KY 41042	COLUMBIA NITROGEN COOP. P. O. BOX 4462 MACON GA 31208
CHEM-LAWN CORP. LEXINGTON 773-B WESTLAND DR. LEXINGTON KY 40504	COMINCO AMERICAN INC. W 818 RIVERSIDE AVE. SPOKANE WA 99220

TABLE 4. (Continued)

CONTINENTAL PEAT CO. P O BOX 7368 TOLEDO OH 43615	E-2-FLO CHEMICAL CO. 701 KADERLY DRIVE COLUMBUS OH 43228
CRAFTON & DUNCAN INC. 1228 2ND ST. HENDERSON KY 42420	E-2 FLO CHEMICAL COMPANY 1091 WEST HIGH ST. LEXINGTON KY 40501
CRITTENDEN CO. FARM SUPPLY P.O. BOX 130 MARION KY 42064	FAESY & BESTHOFF INC 143 RIVER RD EDGEWATER NJ 07020
DELTA EARTH, INC. P.O. BOX 8045 CHICAGO IL 60680	FARMERS FEED & FERTILIZER BOX 527 SCOTTSVILLE KY 42164
DELTA CORPORATION BOX 127 WYNNBURG TN 38077	FARMERS FERTILIZER COMPANY P. O. BOX 127 SMITHS GROVE KY 42171
DOW CHEMICAL 2030 DOW CENTER MIDLAND MI 48640	FARMERS GIN COMPANY BOX 95 CLINTON KY 42031
E I DUPONT DE NEMOURS CO 7056 DUPONT BLDG WILMINGTON DE 19899	FARMERS LIME CO. P.G. BOX 636 SOUTH FULTON TN 42041
EAGLE PICHER P.O. BOX 83 JUPLIN MO 64801	FARMERS SUPPLY & PRODUCE CO. BOX 433 MONTICELLO KY 42633
ELKTON CROP SERVICE ROUTE #3 GUTHRIE KY 42234	FARMLAND INDUSTRIES INC. 3315 N OAK TRAFFICWY KANSAS CITY MO 64116
ENCAP PRODUCTS CO BOX 276 MT PROSPECT IL 60056	FAYETTE SEED CO. 630 S. BROADWAY LEXINGTON KY 40503
ENCUAT CHEMICALS CORP. 1530 CHESTNUT ST. PHILADELPHIA PA 19102	FEDERAL CHEMICAL CO. 646 STARKS BLDG. LOUISVILLE KY 40202

TABLE 4. (Continued)

FELTY CROP SERVICE BOX 186 BEAVER DAM KY 42320	GARDINIER BIG RIVER, INC. P.O. BOX 825 HELENA AR 72343
FIRSTMISS, INC. BOX 328 FORT MADISON IA 52627	GARDINIER BIG RIVER, INC. P.O. BOX 3269 TAMPA FL 33601
FOURTH ST. FERT. CO., INC. 4TH & BLACKBURN LEXINGTON KY 40508	GENES AG SUPPLY BOX 187 STURGIS KY 42459
FOURTH ST. FERT. CO., INC. P.O. BOX 723 WINCHESTER KY 40391	GLASGOW FERTILIZER CO. BOX 198 GLASGOW KY 42141
FRANKLIN CROP SERVICE ROUTE 2 FRANKLIN KY 42134	GLASGOW TRADING CENTER GLASGOW KY 42141
FRASIER SUPPLY CO. 104 TRAEUE ST. GLASGOW KY 42141	W R GRACE & CO-DAV CHEM DIV BARTOW FL 33830
FREE FLOW FERTILIZER CO. P. O. BOX 119 MAUMEE OH 43537	W R GRACE & CO-AGR PROD DIV R R #4 BOWLING GREEN KY 42101
FRIT INDUSTRIES P.O. BOX 850 DZARK AL 36360	W.R. GRACE & CO.-AGR PROD. DIV R. R. #1 CADIZ KY 42211
GALLATIN CO. FARM SVC WARSAW KY 41095	W. R. GRACE & CO. R. #1, BOX 175 CECILIA KY 42724
GAMALIEL BULK FERTILIZER INC RT #1 TUMPKINSVILLE KY 42167	W R GRACE & CO BOX 148 COLUMBUS OH 43216
GARDINIER INC BOX 3269 TAMPA FL 33601	W.R. GRACE & CO. EKRON KY 40117

TABLE 4. (Continued)

W R GRACE & CO-AGR PROD DIV GUTHRIE KY 42234	GREEN CO. FARM SUPPLY P.O. BOX 0 GREENSBURG KY 42743
W. R. GRACE & CO. P.O. BOX 362 IRVINGTON KY 40146	GREEN-LAWN, INC. 5343 OLD BOONVILLE EVANSVILLE IN 47715
W R GRACE & CO BOX 257 LA CENTER KY 42056	GREEN-LAWN, INC. P.O. BOX 231 LAGRANGE KY 40031
W. R. GRACE & CO. 1606 INDUSTRIAL DR. HOPKINSVILLE KY 42240	GREEN-LAWN, INC. 976 DELAWARE AVE. LEXINGTON KY 40508
W. R. GRACE & CO. BOX 277 MEMPHIS TN 38101	GREEN-LAWN, INC. 6102 HITT LANE LOUISVILLE KY 40222
W. R. GRACE & CO. P.O. BOX 90166 NASHVILLE TN 37209	GREENLIFE PRODUCTS CO. P.O. BOX 72 WEST POINT VA 23181
W R GRACE & CO AGR PROD DIV BOX 742 NEW ALBANY IN 47150	GREEN THUMB PRODUCTS CORP. 2525 S. PARK AVE. APOPKA FL 32703
GRAVES CO. SOIL IMP. ASSN. BOX 567 MAYFIELD KY 42066	EARL GRISSMER COMPANY, INC. 7950 CASTLEWAY DR. INDIANAPOLIS IN 46250
GREAT SALT LAKE MIN. & CHEM. P.O. BOX 1190 OGDEN UT 84402	GREEN VALLEY FARM SUPPLY ATTN. R. D. WOOD CALHOUN KY 42327
GREEN GRASS RECLAMATION DRAKESBURD KY 42337	GREEN VALLEY FARM SUPPLY ISLAND KY 42350
GREEN GENIE PRODUCTS P.O. BOX 7713 COLUMBUS GA 31908	GREENAID CO. JONATHAN INDSTRL CTR CHASKA MN 55318

TABLE 4. (Continued)

GRO-GREEN CHEMICAL CO., INC. BOX 388 SHELBYVILLE KY 40065	HERCULES INC. WILMINGTON DE 19899
GRO-GREEN SALES CO. BOX 493 LEEANON KY 40033	HERITAGE HOUSE PRODUCTS 300 LAKE RD MEDINA OH 44256
GRO-GREEN PAYNES, INC. ROUTE 6 LEXINGTON KY 40507	HERNDON FARM & SEED CO. ROUTE #4 MURRAY KY 42071
GROVE COMPOST CO. BOX 570 D FRANKSVILLE WI 53126	HIGHLAND DISTRIBUTORS INC. P.O. BOX 7 SADLERSVILLE TN 37154
GROVE COMPOST CO. GRAFTON WI 53024	GEO W HILL & CO INC 8010 DIXIE HIWAY FLORENCE KY 41042
GROWERS CHEMICAL CORP. LOCKWOOD RD. MILAN OH 44846	HOBBS FEED & SUPPLY CO. BOX 48 FANCY FARM KY 42039
GUTHRIE FARM SERVICE BOX 191 EMINENCE KY 40019	A. H. HOFFMAN, INC. P.O. BOX 8 LANDISVILLE PA 17538
HANCOCK COUNTY FARM SUPPLY P.O. BOX 95 HAWESVILLE KY 42348	CLIFTON HOLLINGSWORTH R#1 MT. HERMON KY 42157
HARDIN GRAIN ELEVATOR, INC. BOX 131 HARDIN KY 42048	HOPKINSVILLE ELEVATOR CO, INC. SKYLINE DR. BOX 95 HOPKINSVILLE KY 42240
HAWKEYE SUPPLY CO. 2008 COOPERS LANE JEFFERSONVILL IN 47130	HOWE-HILLIARD GRAIN CO. P.O. BOX 406 MAYFIELD KY 42066
HERCULES INC 900 LIFE OF GA TOWER ATLANTA GA 30308	HUTSON CHEMICAL COMPANY 103 MAPLE ST. MURRAY KY 42071

TABLE 4. (Continued)

THE HYPONEX COMPANY, INC. 3489 SAWMILL RD. CUPLEY OH 44321	KALIUM CHEM 400 BK OF CAN BLDG REGINA SASK CANADA S4P0M9
I & H FARM SUPPLY, INC. 602 N. MAGNOLIA ST. TOMPKINSVILLE KY 42167	KALIUM CHEMICALS P.O. BOX 95666 ATLANTA GA 30347
INDIANA FARM BUREAU COOP. 47 S. PENNSYLVANIA INDIANAPOLIS IN 46204	KALO LABORATORIES 9233 WARD PARKWAY KANSAS CITY MO 64114
INTERNATIONAL MIN & CHEM CORP P. O. BOX 158 FLORENCE AL 35630	G. T. KASEY IRVINGTON KY 40140
INTERNATIONAL SPIKE INC 462 E HIGH ST LEXINGTON KY 40508	KENTUCKY FERTILIZER WORKS 222 COOK AVE. WINCHESTER KY 40391
JEREMY CHEMICAL CO, INC. 5 LAWRENCE ST. BLOOMFIELD NJ 07003	KERR-MCGEE FARM CENTER P. O. BOX "K" CADIZ KY 42211
JOHNSON CITY CHEMICAL INC. P. O. BOX 760 JOHNSON CITY TN 37601	KERR-MCGEE CHEMICAL CORP. P.O. BOX 8 COTTONDALE FL 32431
KAISER AGRI. CHEM. P.O. BOX 327 HUMBOLDT TN 38343	KERR-MCGEE CHEMICAL CORP. W. R. BOYD & SONS R1 CROFTON KY 42217
KAISER AGRI. CHEM. 1400 SOUTH HANCOCK LOUISVILLE KY 40217	KERR-MCGEE FARM CENTER W E BOYD & SONS R 1 FREDONIA KY 42411
KAISER AGRI. CHEM. 646 STARKS BLDG. LOUISVILLE KY 40202	KERR-MCGEE FARM CENTER GUTHRIE KY 42234
KAISER AGRI. CHEM. P.O. BOX 7605 NASHVILLE TN 37209	KERR-MCGEE CHEMICAL CORP KERR-MCGEE BLDG OKLAHOMA CITY OK 73125

TABLE 4. (Continued)

KERR-MCGEE FARM CENTER P. O. BOX 129 PEMBROKE KY 42266	LORETTO FEED & FERT. ROUTE #1 LORETTO KY 40037
KOOS, INC. 4500 13TH COURT KENOSHA WI 53140	LOUISVILLE SEED CO., INC. BOX 120 LOUISVILLE KY 40201
S. S. KRESGE CO. 3100 W. BIG BEAVER TROY MI 48084	MCCAULEY BROS SEED CO 111 BROADWAY VERSAILLES KY 40383
LAWN-A-MAT CHEM. & EQUIP. CORP 153 JEFFERSON AVE. MINEOLA NY 15301	MCWHORTER BROS. FARM SER., INC ALBANY KY 42602
LAWN-AID INC. 2010 PLANTSIDE DRIVE LOUISVILLE KY 40299	MACANDREWS & FORBES CO. 3RD & JEFFERSON AVE. CAMDEN NJ 08104
LEBANON CHEMICAL CO. P. O. BOX 180 LEBANON PA 17042	MAG CAR, INC. R#2 BOX 76 APEX NC 27502
LEEMING DIV., PFIZER, INC 235 E. 42ND ST. NEW YORK NY 10017	MAGIC GREEN LAWN SER. R. R. #7 FRANKFORT KY 40601
THE LEISURE GROUP, INC. 1035 WATSONCENTER RD CARSON CA 90745	MAPCO INC. INDIAN POINT DIV. ATHENS IL 62613
LEMARCO INTERNATIONAL INC. 1342 ITM BLDG. NEW ORLEANS LA 70130	MARSHALL CTY SOIL IMP. ASSOC. 501 POPLAR BENTON KY 42025
LIVINGSTON CO. FARM & HOME SUP RFD 3 SMITHLAND KY 42081	J. J. MAUGET CO., INC. P.O. BOX 3422 BUREANK CA 91504
LIVINGSTON CO. COOP BOX 38 SMITHLAND KY 42081	MAYFIELD MILLING CO. P.O. BOX 311 MAYFIELD KY 42066

TABLE 4. (Continued)

MEACHEM NITROGEN SERVICE RT 3-BOX 188 MORGANFIELD KY 42437	MISSISSIPPI CHEMICAL CORP BOX 388 YAZOO CITY MS 39194
MEADE FARMERS SUPPLY BRANDENBURG KY 40168	MONSANTO AGRI CENTER BOX 203 SLAUGHTERS KY 42456
MELLOW VALLEY PRODUCTS CO. P. O. BOX 540 SYLACAUGA AL 35150	MONSANTO COMPANY 800 N LINDBERGH ST. LOUIS MO 63166
METCALFE CO. FARMERS SUPPLY EDMONTON KY 42129	MONTGOMERY FARMERS COOP. CLARKSVILLE TN 37040
MEDINA AGRICULTURE PRODUCTS P.O. BOX 309 HONDU TX 78861	MONTGOMERY WARD & CO., INC. CHICAGO IL 60607
MID-OHIO CHEMICAL CO., INC. P.O. BOX 193 MT. STERLING OH 43143	MOORE-HUTCHESON CO. MORGANTOWN KY 42261
MICHIGAN CHEMICAL CORP. 2 N. RIVERSIDE PLAZA CHICAGO IL 60601	MORRISON FARM SVC HODGENVILLE KY 42748
MILES FARM SUPPLY RT 3 OWENSBORO KY 42301	M-S FARM SERVICE RT #3 BOX 387 HENDERSON KY 42420
MILES FARM SUPPLY, INC. CARTER & KELLER RDS. OWENSBORO KY 42301	NA-CHURS PLANT FOOD COMPANY 421 MONROE STREET MARION OH 43302
MILES FARM SUPPLY, INC. HWY 431S OWENSBORO KY 42301	NATURAL DEVELOPMENT CO BOX 215 BAINBRIDGE PA 17502
MINN MINING & MFG CO 3M CENTER BLDG 209 ST PAUL MN 55101	NEW PLANT LIFE PO BOX 45 LA PORTE IN 46350

TABLE 4. (Continued)

NEW VENTURES DIV. CONWOOD CORP MEMPHIS TN 38117	OLIN CORP. P.O. BOX 991 LITTLE ROCK AR 72203
NORSK HYDRO OSLO NORWAY	ORGANIC COMPOST CORP. P.O. BOX 217 GERMANTOWN WI 53022
NORTH AMERICAN FERTILIZER CO. 1419 S. PRESTON LOUISVILLE KY 40217	ORGANIC LABORATORIES, INC. 5050 WESTHEIMER #411 HOUSTON TX 77056
OBION FARMERS COOP. WEST PALMER ST. UNION CITY TN 38261	ORGANIC RECYCLING 967 S. MATLOCK ST. WEST CHESTER PA 19380
OBION GRAIN CO OBION TN 38240	ORGRD PRODUCTS CO. BOX 221 DAYTON OH 45401
OCCIDENTAL CHEMICAL CO. P.O. BOX 46 FAIRMOUNT IN 46928	OTASCO BOX 885 TULSA OK 74102
OCCIDENTAL CHEMICAL CO. P.O. BOX 28469 ST. LOUIS MO 63141	PARKER FERTILIZER CO. P. O. BOX 540 SYLACAUGA AL 35150
OHIO VALLEY FERTILIZER, INC. BOX 36 MAYSVILLE KY 41056	PARRISH SHOP & SALES RT4. BOX 578 HENDERSON KY 42420
OLD FORT INDUSTRIES, INC. 2013 S. ANTHONY BLVD FORT WAYNE IN 46803	PAYGRO DIV. MEAD CORP. BOX 221 DAYTON OH 45401
OLDHAM BKOS FULTON AVE SHAWNEETOWN IL 62984	ROBERT B. PETERS, INC. 2833 PENNSYLVANIA ST ALLENTOWN PA 18104
OLIN CORP. 120 LONG RIDGE RD. STAMFORD CT 06904	J. PETTY CO. P O BOX 151 GRACEY KY 42232

TABLE 4. (Continued)

PHELPS DODGE 300 PARK AVE. NEW YORK NY 10022	RA-PID-GRO CORPORATION 88 OSSIAN STREET DANSVILLE NY 14437
PHELPS FARM SERVICE 424 SOUTH THIRD ST. PADUCAH KY 42001	REX PLASTICS INC. 1200 UNITY STREET THOMASVILLE NC 27360
PHILLIPS SEED & SUPPLY INC. CAMPBELLSVILL KY 42718	RHODES FEED MILL ROUTE #1 MAYFIELD KY 42066
PICKETT FARMERS COOP. P.O. BOX 155 BYRDSTOWN TN 38549	RHODIA INC. AGRI. DIV. P.O. BOX 125 MONMOUTH JUNC NJ 08852
PLANT FOODS, INC. 309 W. NORTH ST. MAYFIELD KY 42066	RICH POND CROP SERVICE RT. #3 BOWLING GREEN KY 42101
PLANT MARVEL LABORATORIES 624 W 119TH ST. CHICAGO IL 60628	RINGER CORP. 6860 FLYING CLOUD DR EDEN PRAIRIE MN 55343
PLANTABBS CORP. TIMONIUM MD 21093	RINKS BARGAIN CITY TOLEDO OH 43607
PUGLE MILLING CO. P.O. BOX 110 PUGLE KY 42444	ROBERTSON-CHEATHAM FARM. COOP. SPRINGFIELD TN 37172
POOKES FERT & CHEMICALS INC ROUTE #3 ALBANY KY 42602	ROBIN JONES PHOSPHATE CO. BOX 50236 NASHVILLE TN 37205
PRICES MILL FARM SUPPLY ROUTE #2 FRANKLIN KY 42134	ROCKLAND CHEMICAL CO., INC. BOX 809 W. CALDWELL NJ 07006
PRINCETON GRAIN & SUPPLY CO. P.O. BOX 386 PRINCETON KY 42445	ROHM & HAAS PHILADEPHIA PA 19105

TABLE 4. (Continued)

ROSS DANIELS INC 1720 FULLER RD W DES MOINES IA 50265	SEA-BORN INC. 2000 ROCKFORD RD. CHARLES CITY IA 50616
ROYSTER COMPANY DRAWER 1940 NORFOLK VA 23501	SEARS, ROEBUCK & CO. SEARS TOWER CHICAGO IL 60684
ROYSTER CO. & MR. WOMBLE DRAWER 1940 NORFOLK VA 23501	SEBREE FEED & GRAIN, INC. SEBREE KY 42455
KUDDLPH FARM SUPPLY BOX 276 SALEM KY 42076	J. SENG LAWN & TREE SVC. 551 WALNUT ST. CRESENT SPRING KY 41017
WILLIAM RUDY & SON BANDANA KY 42022	SETRE, INC. 5100 POPLAR AVE. MEMPHIS TN 38137
SACRAMENTO FEED MILL, INC. BOX 146 SACRAMENTO KY 42372	SEWERAGE COM., CITY MILWAUKEE 700 E. JONES ST. MILWAUKEE WI 53201
SATUREX INC. 4555 N. BROADWAY CHICAGO IL 60640	SEYMOUR CHEMICAL COMPANY P.O. BOX 307 SEYMOUR IN 47274
SCHUCHUH CROP SERVICE ROUTE 5 RUSSELLVILLE KY 42276	SHAKER FARM CENTER, INC. BOX 23 SOUTH UNION KY 42283
SCHULTZ COMPANY 11730 NORTHLINE MARYLAND HGTS MD 63043	SHOCKLEES FARM SUPPLY R#4 UTICA KY 42376
SCOTT FARMERS COOP. ROUTE 2 BOX 301 ONEIDA TN 37641	SIERRA CHEMICAL COMPANY 1001 YOSEMITE DR. MILPITAS CA 95035
U. M. SCOTT & SONS MARYSVILLE OH 43040	SIMPSON MILLING CO WAYNESBURG KY 40489

TABLE 4. (Continued)

SLU-RELEASE, INC. P.O. BOX 237 KINGSTON OH 45644	SOUTHERN STATES COOP., INC. BOX 7611 CHESAPEAKE VA 23324
SMITH-DOUGLAS DIV P O BOX 438 RUSSELLVILLE KY 42276	SOUTHERN STATES COOP., INC. BOX 1656 RICHMOND VA 23213
SMITH-DOUGLASS, BORDEN INC. BOX 111 DANVILLE VA 24541	SOUTHERN STATES COOP., INC. BOX 13065 C. T. STA LOUISVILLE KY 40213
SMITH-DOUGLASS, BURDEN INC. BOX 419 NORFOLK VA 23501	SOUTHERN STATES COOP., INC. BOX 408 RUSSELLVILLE KY 42276
SMITHERS-OASIS DIVISION 919 MARVIN AVE. KENT OH 44240	SOUTHERN STATES COOP., INC. BOX 516 WINCHESTER KY 40391
SMITHS GROVE FERTILIZER CO BOX E SMITHS GROVE KY 42171	S.S. BARDSTOWN COOP. 403 CATHEDRAL MANOR BARDSTOWN KY 40004
SMYLES LABORATORIES, INC. 6908 CRESTON RD., MINNEAPOLIS MN 55435	S. S. BOYLE COOP. R-4 LEBANON ROAD DANVILLE KY 40422
SOUTH FULTON LIME & FERT., INC P. O. BOX 66 SOUTH FULTON TN 42041	SS BOWLING GREEN COOP 920 CLAY STREET BOWLING GREEN KY 42101
SOUTHERN IMPORTERS, INC. P. O. BOX 8616 GREENSBORO NC 27410	S. S. BRECK COOP. ROUTE 1 HARDINSBURG KY 40143
SOUTHERN STATES COOP., INC. CURTIS BAY BALTIMORE MD 21226	S.S. COOP-CALDWELL SERVICE ROUTE #3 PRINCETON KY 42445
SOUTHERN STATES COOP., INC. ROUTE 5, BOX 70 BRISTOL VA 24201	S. S. CAMPBELLSVILLE COOP. P. O. BOX 428 CAMPBELLSVILLE KY 42718

TABLE 4. (Continued)

S. S. BULLITT COOP. BOX 644 SHEPHERDSTOWN KY 40165	S.S. GRAYSON COOP PO BOX 547 GRAYSON KY 41143
S.S. CARLISLE COOP MAIN STREET CARLISLE KY 40311	S. S. GREENVILLE SERVICE W. DEPOT ST. GREENVILLE KY 42345
S.S. CLARK COOP PENDLETON STREET WINCHESTER KY 40391	S.S. HARDIN COOP ROUTE 2 -- BOX 175 ELIZABETHTOWN KY 42701
S.S. COOP. CLAY PETROL SVC. P.O. BOX 175 CLAY KY 42404	S.S. HARRODSBURG COOP P. O. BOX 308 HARRODSBURG KY 40330
S.S. CYNTHIANA COOP. P.O. BOX 337 CYNTHIANA KY 41031	S.S. HENDERSON COOP 146 MCKINLEY ST HENDERSON KY 42420
S.S. FLEMINGSBURG COOP P.O. BOX 167 FLEMINGSBURG KY 41041	S.S. HENRY COOP BOX 167-EAST ELM ST. EMINENCE KY 40019
S.S. FRANKFORT COOP. WILKINSON BLVD. FRANKFORT KY 40601	S.S. HOPKINSVILLE COOP 501 EAST 13TH ST HOPKINSVILLE KY 42240
S.S. COOP FULTON SVC 201 CENTRAL AVE. FULTON KY 42041	S.S. HOPKINSVILLE COOP. CADIZ BRANCH R#1 CADIZ KY 42211
S.S. GEORGETOWN COOP. BOX 514-US 460 GEORGETOWN KY 40324	S.S. HORSE CAVE COOP 206 S. DIXIE HWY HORSE CAVE KY 42749
S.S. GLASGOW COOP 504 WEST FRONT ST. GLASGOW KY 42141	S.S. COOP. HUSTONVILLE SER. BOX 170 HUSTONVILLE KY 40437
S.S. COOP., INC. GRAVES SER. ROUTE 4 BOX F MAYFIELD KY 42066	S.S. BRECK COOP. IRVINGTON BRANCH IRVINGTON KY 40146

TABLE 4. (Continued)

S.S. LAGRANGE COOP 2ND & WASHINGTON STS LA GRANGE KY 40031	S.S. OWENTON COOP BOX 97 OWENTON KY 40359
S.S. COOP. LANCASTER SER. RICHMOND RD. LANCASTER KY 40444	S.S. PENDLETON COOP P.O. BOX 231-RT. #2 FALMOUTH KY 41040
S.S. LAWRENCEBURG COOP R. R. #3 LAWRENCEBURG KY 40342	S. S. COOP--RICHMOND SERVICE P.O. BOX 299 RICHMOND KY 40475
S.S. LEBANON COOP. 215 DEPOT STREET LEBANON KY 40033	S.S. RUSSELLVILLE COOP P.O. BOX 309 RUSSELLVILLE KY 42276
S. S. LEITCHFIELD COOP 118 W. WHITE OAK ST. LEITCHFIELD KY 42754	S. S. COOP. SEBREE SERVICE BOX 345 SEBREE KY 42455
S.S. LEXINGTON COOP 949 PINE ST. LEXINGTON KY 40508	S.S. SHELBYVILLE COOP. 7TH & BRADSHAW STS. SHELBYVILLE KY 40065
S.S. LONDON COOP P.O. BOX 604 LONDON KY 40741	S.S. SIMPSON COOP 301 FINN ST-BOX 210 FRANKLIN KY 42134
S.S. MADISONVILLE COOP. R#5 PRIDE AVE. MADISONVILLE KY 42431	S.S. SOMERSET COOP BOX 500-N. HWY 27 SOMERSET KY 42501
S.S. MAYSVILLE COOP BOX 668-US 68 S. MAYSVILLE KY 41056	S.S. COOP STANFORD SER. BOX 94 CRAB ORCHARD STANFORD KY 40484
S.S. MORGANFIELD COOP 304 N. TOWNSEND ST. MORGANFIELD KY 42437	S.S. COOP-TODD SVC. P. O. BOX 278 ELKTON KY 42220
S.S. OWENSBORO COOP 800 CRABTREE AVENUE OWENSBORO KY 42301	SPARTA FERTILIZER INC. SPARTA KY 41086

TABLE 4. (Continued)

SPENCER FARM SERVICE TAYLORSVILLE KY 40071	SUMNER FARMERS COOP. PORTLAND TN 37148
SPRINGFIELD FARM SERVICE ROUTE #2 SPRINGFIELD KY 40069	SWIFT AGRI CHEM CORP. %BRAME FARM SUPPLY CADIZ KY 42211
STA-GREEN PLANT FOOD CO. P.O. BOX 540 SYLACAUGA AL 35150	SWIFT AGRI CHEM CORP 111W JACKSON BLVD CHICAGO IL 60604
STANLEY CROP SERVICE BOX #37 STANLEY KY 42375	SWIFT FARM CENTER % BUGG BROS CLINTON KY 42031
STANLEY CROP SVC/SMITH-DOUGLAS BOX 419 NORFOLK VA 23501	SWIFT CHEMICAL CO. COLUMBIA KY 42728
THE HERBERT STANLEY CO. 8140 N. RIDGEWAY SKOKIE IL 60076	SWIFT CHEMICAL CO. % CARL DEXTER CROFTON KY 42217
STERNS NURSERIES INC 404 WILLIAM STREET GENEVA NY 14456	SWIFT CHEMICAL CO. C/O MARTIN & DEWEESE CUNNINGHAM KY 42035
STEWART FERTILIZER SERVICE MT. VERNON KY 40456	SWIFT FARM CENTER E BERNSTADT KY 40729
SUDBURY LABS INC. SUDBURY MA 01776	SWIFT AGRICULTURAL CHEM. CORP. P.O. BOX 338 E. ST. LOUIS IL 62202
STIM-U-PLANT LABORATORIES 2077 PARKWOOD AVE. COLUMBUS OH 43219	SWIFT CHEMICAL CO. % TODD CTY GRAIN CO. ELKTON KY 42220
SUBURBAN LAWN CARE CENTER 404 MCLEOD LANE MADISONVILLE KY 42431	SWIFT AGRICULTURAL CHEM CORP BOX 548 HOPKINSVILLE KY 42240

TABLE 4. (Continued)

SWIFT CHEMICAL CO. % MORGANTOWN FD MILL MORGANTOWN KY 42261	TOBACCO STATES CHEMICAL CO. BOX 12046 LEXINGTON KY 40512
SWIFT AGRICULTURAL CHEM CORP S ESTILL AVE RICHMOND KY 40475	TODD COUNTY SEED TRENTON KY 42286
SWIFT AGRI CHEM CORP. % BUCKS B & T SALES UTICA KY 42376	TOMPKINSVILLE FERTILIZER CO. TOMPKINSVILLE KY 42167
G. M. TAYLOR SEED CO. P.O. BOX 485 GEORGETOWN KY 40324	TRAYLOR CHEM. & SUP. CO. P.O. BOX 343 ROYAL CENTER IN 46978
TEATER & CASSITY FARM SER. THIRD & DEPOT ST. NICHOLASVILLE KY 40356	TRI CHEM MFG. CO., INC. P.O. DRAWER 44208 DALLAS TX 75234
TEATER BROS. & TEATER BOX 113 DANVILLE KY 40422	TRICO PRODUCTS BOX 1104 STORM LAKE IA 50588
TENNESSEE FARMERS COOPERATIVE LAVERGNE TN 37086	TRI-CITY FARM SUPPLY BOX 495, US 25E CORBIN KY 40701
TEXAS SULPHUR PRODUCTS CO. 2801 W OSBORN RD. PHOENIX AZ 85017	TRIMBLE COOP., INC. MILTON KY 40045
THERMOGAS CO. OF HARDINSBURG HARDINSBURG KY 40143	TRIPLE T CHEMICALS, INC. R.R. #1 VINCENNES IN 47591
THOMPSON SALES COMPANY P. O. BOX 246 MONTGOMERY AL 36101	TRIPLE T INC. R.R. #1 VINCENNES IN 47591
THURSTON FERTILIZER CO. 1500 BLOW AVE. PADUCAH KY 42001	UNION FERTILIZER BOX 87 MORGANFIELD KY 42437

TABLE 4. (Continued)

US 60 FARM SVC. CENTER HARDINSBURG KY 40143	USS FARM SERVICE CENTER BOX 128 UTICA KY 42376
USS AGRI-CHEMICAL RT. 1 ADAIRVILLE KY 42202	U. S. STEEL CORP-FAIRFIELD P. O. BOX 599 FAIRFIELD AL 35064
USS AGRI-CHEMICALS P. O. BOX 1685 ATLANTA GA 30301	THE VANCE CO. P. O. BOX 588 CHILHOWIE VA 24319
USS AGRI-CHEMICALS P.O. BOX 472 BOWLING GREEN KY 42101	THE VANCE CO. P.O. BOX 67 EWING VA 24248
USS FARM SERVICE CENTER BOX 87 CAMPBELLSVILL KY 42718	VENTURI, INC. 1610 ROLLINS RD BURLINGAME CA 94010
USS AGRI-CHEMICALS 685 DEKALB IND. WAY DECATUR GA 30033	VICKSBURG CHEMICAL CO. P. O. BOX 3 VICKSBURG MS 39180
USS AGRI-CHEMICALS 400 WATER ST FRANKLIN KY 42134	VIRGINIA CHEMICALS INC. 3340 W. NORFOLK RD PORTSMOUTH VA 23703
USS AGRI-CHEMICALS GUTHRIE KY 42234	VISTRON CORP. BOX 628 LIMA OH 45802
USS AGRI-CHEMICALS 14TH & WATT ST. JEFFERSONVILL IN 47130	VOLUNTARY PURCHASING GROUPS BOX 460 BONHAM TX 75418
USS AGRI-CHEMICALS P.O. BOX 90447 NASHVILLE TN 37209	WABASH VALLEY SERVICE CO. 909 NORTH COURT GRAYVILLE IL 62844
USS AGRI-CHEMICALS BOX 90446 NASHVILLE TN 37209	WARNER FERTILIZER CO. P.O. BOX 274 COLUMBIA KY 42728

TABLE 4. (Continued)

WARNER FERTILIZER CO
PO BOX 764
SOMERSET KY 42501

YODER COMPOST, INC.
BOX 256-A
ARCHBOLD OH 43502

WARNER FERTILIZER CO.
P.O. BOX 30
RUSSELL SPR. KY 42642

ZINC NATIONAL S.A. APT. 985
HILDALGO 640 PTE
MONTEREY, N.L. MX

WARRKENS TURF NURSERY
6300 DONNELLY RD
ANDERSON IN 46011

WARRKENS TURF NURSERY
8400 W. 111TH ST.
PALUS PARK IL 60464

WARSAW CHEMICAL CO., INC.
BOX 658 ARGONNE RD
WARSAW IN 46580

WEGRO DIV., OLD FORT IND., INC
P.O. BOX 189
GRAND RAPIDS OH 43522

WESTERN KY FARM SERVICES
R#1
ELKTON KY 42220

N B WHEELER & SON
BOX 8
SEDALIA KY 42079

MR. WIGGS
23175 COMMERCE PK RD
CLEVELAND OH 44122

WILSON & GEO. MEYER CO.
270 LAWRENCE AVE.
S. SAN FRAN. CA 94080

WOODFORD FEED CO., INC.
BOX 116
VERSAILLES KY 40383

2M--10-77