

Regulatory Bulletin 222

**ANNUAL REPORT**  
**ANALYSES OF OFFICIAL**  
**FERTILIZER SAMPLES**

JULY 1975 - JUNE 1976



University of Kentucky  
College of Agriculture  
Agricultural Experiment Station  
Division of Regulatory Services  
Lexington

*The College of Agriculture is an Equal Opportunity Organization authorized to provide research, educational information and other services only to individuals and institutions that function without regard to race, color, sex or national origin.*

DIVISION OF REGULATORY SERVICES  
KENTUCKY AGRICULTURAL EXPERIMENT STATION

H. F. Massey, Director  
Edward R. Lindstrom, Assistant Director  
D. L. Terry, Coordinator  
Fertilizer Program  
Henry Spencer, Auditor

INSPECTION STAFF

Wilson M. Routt  
Coordinator, Field Inspection Staff

ewey S. Coffey  
en W. Cox  
aude E. Hensley

Noel Johnston  
Wallace L. King  
Ellis Hugh Ray

William K. Robertson  
Samuel D. Whitehead  
David T. Buckingham

LABORATORY

Valva C. Midkiff, Chief Chemist  
and Coordinator Chemical Laboratories

Robert Beine  
Elizabeth Brown  
Ilen Denniston  
e Herald  
orma Holbrook

Robert Kiser  
Dominique Lam  
Tasanee Thitakamol  
David Tompkins

Robert N. Price, In Charge,  
Fertilizer Analysis  
Alan P. Thio, In Charge,  
Pesticide Laboratory

DATA PROCESSING

Charles Boyd, Data Processing Specialist  
Brenda Johnson, Data Processing Assistant

This report was compiled and prepared by D. L. Terry with the assistance of the Inspection, Laboratory, and Data Processing Staffs. Appreciation is expressed to Mrs. Linda Lawson for her assistance in typing and assembling the manuscript.

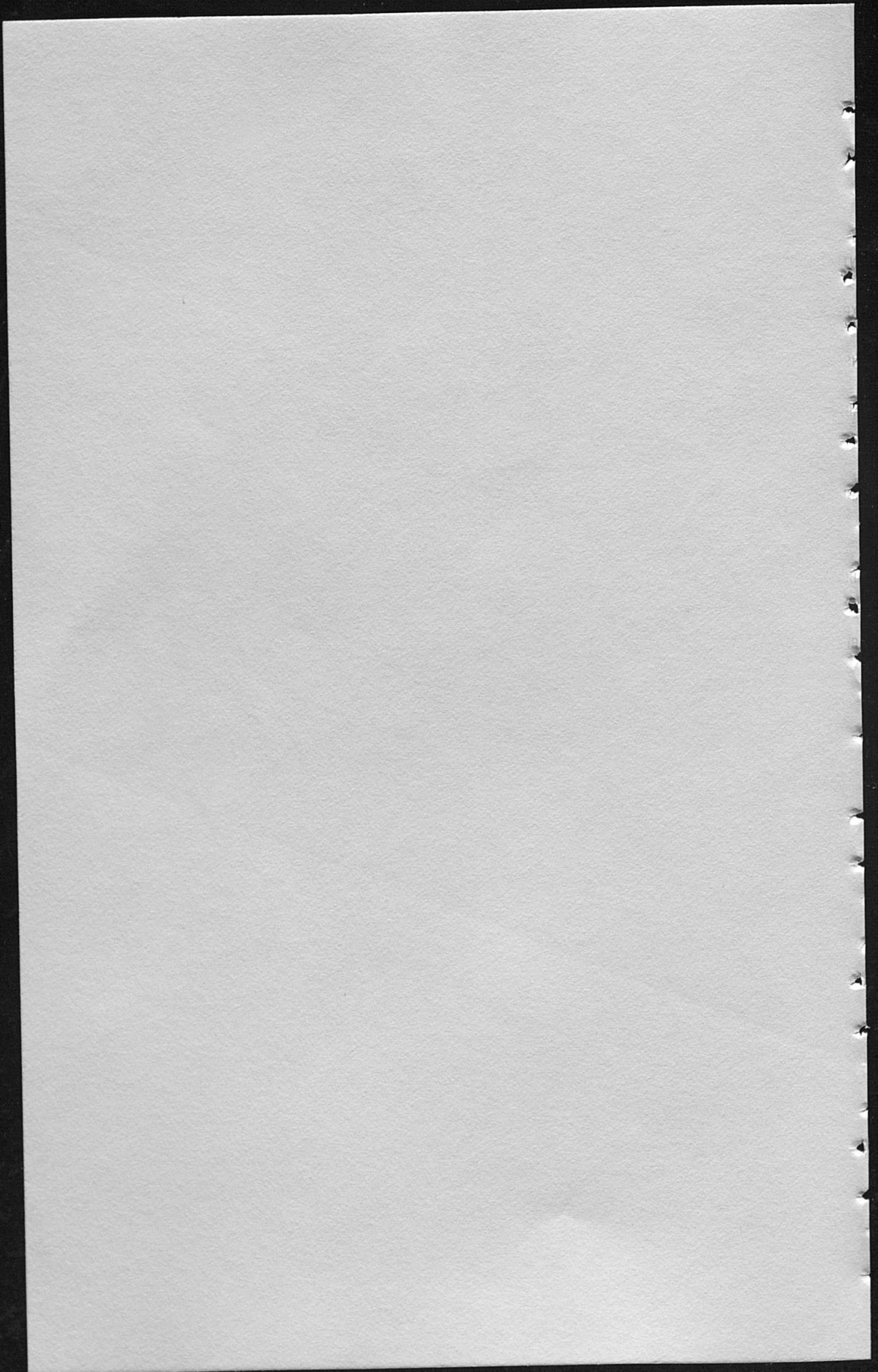


TABLE OF CONTENTS

|   |    |
|---|----|
| INTRODUCTION . . . . .  | 6  |
| EXPLANATION OF TABLES. . . . .  | 6  |
| INSPECTION AND ANALYTICAL TOLERANCE. . . . .  | 8  |
| TABLE 1. RESULTS OF NITROGEN (N), AVAILABLE PHOSPHORIC ACID (APA), SOLUBLE<br>POTASH (POT), AND EXCESS CHLORIDE (XS CL) ANALYSES OF OFFICIAL<br>FERTILIZER SAMPLES . . . . .                          | 10 |
| TABLE 2. AVERAGE ANALYSIS (AA), OVERALL PERCENT OF GUARANTEE ACHIEVED<br>(% OF GUAR.), AND COEFFICIENTS OF VARIATION (CV) OF OFFICIAL<br>FERTILIZER SAMPLES OF CERTAIN GRADES AND COMPANIES . . . . . | 61 |
| TABLE 3. RESULTS OF THE ANALYSES OF CERTAIN OFFICIAL FERTILIZER SAMPLES<br>FOR SECONDARY AND MINOR ELEMENTS AND FOR ORGANIC NITROGEN. . . . .   | 70 |
| TABLE 4. COMPANIES REGISTERED TO SELL FERTILIZER IN KENTUCKY AS OF<br>JUNE 30, 1976. . . . .  | 76 |

## INTRODUCTION

This bulletin presents the results of analyses of 2,448 official samples of commercial fertilizer taken during the period July 1, 1975 through June 30, 1976 by the field inspection staff. These samples represented approximately 33,000 tons of fertilizer out of the approximately 1,000,000 tons sold during this period. The regulatory laboratory made 2,268 nitrogen, 2,270 phosphorus, 2,232 potassium, and about 940 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, 1976.

## EXPLANATION OF TABLES

TABLE 1.

Every official sample taken during the year 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: 2 for N, 2 for  $P_2O_5$ , and 1 for  $K_2O$ . Thus, the "Guaranteed Value" of the 5-10-15 is calculated as follows:

| Element                  | Guaranteed, % |   | Factor | = | Value |
|--------------------------|---------------|---|--------|---|-------|
| N                        | 5.0           | X | 2      | = | 10.0  |
| $P_2O_5$                 | 10.0          | X | 2      | = | 20.0  |
| $K_2O$                   | 15.0          | X | 1      | = | 15.0  |
| Total "Guaranteed Value" |               |   |        | = | 45.0  |

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

| Element             | Found, % |   | Factor | = | Value |
|---------------------|----------|---|--------|---|-------|
| N                   | 5.1      | X | 2      | = | 10.2  |
| $P_2O_5$            | 10.2     | X | 2      | = | 20.4  |
| $K_2O$              | 15.1     | X | 1      | = | 15.1  |
| Total "Found Value" |          |   |        | = | 45.7  |

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

$$RV = (45.7/45) \times 100 = 101.6\%$$

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. Occasionally an analysis may be found that appears to be inconsistent in its marking. For example, two samples that are guaranteed 10%  $P_2O_5$  (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%  $P_2O_5$  and 11.2%  $K_2O$ . 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%  $P_2O_5$  and 10.9%  $K_2O$ , the 11.0%  $P_2O_5$  would be marked (\*) because this analysis 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

$\sum$  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 11 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"  $\times$  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  $0.9 \times$  "GUARANTEE"; and, deficient in copper (Cu), manganese (Mn), molybdenum (Mo), and zinc (Zn) if the sample analyzed less than or equal to  $0.8 \times$  "GUARANTEE". The product was considered misbranded "M" if the sample analyzed as much or more than  $2 \times$  "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 improper mixing or weighing by the manufacturer. Extreme variations of this kind, however, cannot be wholly attributed to separation of materials (segregation) 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 (\*).

| AG/GRC FERTILIZER CO. |       | WINCHESTER KY   |       |       | XS CL | RV  |
|-----------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                 | NUM   | N               | APA   | POT   |       |     |
| 0-26-26               | 40003 | 0.0             | 25.0  | 28.0  |       | 100 |
| 5-10-15               | 38501 | 5.0             | 9.0*  | 16.2  |       | 98  |
| 5-10-15               | 38630 | 5.6             | 11.9  | 14.1* |       | 108 |
| 5-10-15               | 39012 | 5.0             | 9.9   | 15.9  |       | 101 |
| 5-10-15               | 39528 | 5.4             | 11.0  | 15.7  |       | 108 |
| 5-10-15               | 39906 | 5.1             | 9.2*  | 15.6  |       | 98  |
| 5-10-15               | 39907 | 5.4             | 10.7  | 15.0  |       | 105 |
| 5-10-15               | 40269 | 4.8             | 9.1*  | 15.2  |       | 96* |
| 5-10-15               | 40270 | 5.6             | 10.6  | 14.8  |       | 105 |
| 5-10-15               | 40272 | 5.3             | 10.8  | 14.9  |       | 104 |
| 5-10-15               | 38629 | 5.2             | 21.1  | 21.0  |       | 105 |
| 5-20-20               | 39905 | 5.2             | 20.0  | 20.3  |       | 101 |
| 5-20-20               | 39913 | 4.7             | 18.8* | 21.5  |       | 98  |
| 5-20-20               | 40168 | 5.4             | 19.7  | 20.3  |       | 101 |
| 6-12-12               | 38631 | 5.6             | 11.5  | 13.3  |       | 99  |
| 10-10-10              | 39904 | 9.2*            | 8.5*  | 12.7  |       | 96* |
| 10-10-10              | 39908 | 10.2            | 10.3  | 10.1  |       | 102 |
| 10-10-15              | 40136 | 10.3            | 10.1  | 16.5  |       | 104 |
| 10-20-20              | 38632 | 9.1*            | 18.8* | 21.0  |       | 96* |
| 33- 0- 0              | 39529 | 33.8            | 0.0   | 0.0   |       | 101 |
| AG. SUPPLY CO         |       | HOPKINSVILLE KY |       |       | XS CL | RV  |
| GRADE                 | NUM   | N               | APA   | POT   |       |     |
| 6-18- 6               | 39555 | 6.7             | 19.4  | 6.2   |       | 108 |
| AGRI-CHEMICAL INC.    |       | HOPKINSVILLE KY |       |       | XS CL | RV  |
| GRADE                 | NUM   | N               | APA   | POT   |       |     |
| 0-23-27               | 40196 | 0.0             | 23.4  | 29.6  |       | 102 |
| 7- 9-13               | 39679 | 7.8             | 9.4   | 14.7  |       | 102 |
| 10-26-26              | 39146 | 10.7            | 26.9  | 25.5  |       | 102 |
| 10-26-26              | 39147 | 10.3            | 26.7  | 26.1  |       | 102 |
| 11-28-18              | 39148 | 12.2            | 30.4  | 18.1  |       | 105 |
| 19-11-21              | 39678 | 22.4            | 13.7  | 21.5  |       | 112 |
| 19-17-16              | 39676 | 19.8            | 18.1  | 16.6  |       | 103 |
| 24-13-14              | 39677 | 24.8            | 14.1  | 15.5  |       | 101 |
| AGRICO CHEMICAL CO    |       | TULSA OK        |       |       | XS CL | RV  |
| GRADE                 | NUM   | N               | APA   | POT   |       |     |
| 0- 0-50               | 39304 | 0.0             | 0.0   | 49.5  |       | 99  |
| 0- 0-60               | 38401 | 0.0             | 0.0   | 60.1  |       | 100 |
| 0- 0-61               | 38208 | 0.0             | 0.0   | 61.1  |       | 100 |
| 0-46- 0               | 38403 | 0.0             | 45.6  | 0.0   |       | 99  |
| 11-37- 0              | 39816 | 10.9            | 35.9  | 0.0   |       | 97* |
| 18-46- 0              | 38402 | 18.0            | 46.2  | 0.0   |       | 100 |
| 28- 0- 0              | 38209 | 27.6            | 0.0   | 0.0   |       | 98  |
| 28- 0- 0              | 39113 | 28.0            | 0.0   | 0.0   |       | 100 |
| 45- 0- 0              | 38207 | 47.1            | 0.0   | 0.0   |       | 105 |
| 46- 0- 0              | 39031 | 45.4            | 0.0   | 0.0   |       | 99  |
| 82- 0- 0              | 39561 | 82.0            | 0.0   | 0.0   |       | 100 |
| AGRICO CHEMICAL CO    |       | WASHINGTON CHOH |       |       | XS CL | RV  |
| GRADE                 | NUM   | N               | APA   | POT   |       |     |
| 18-46- 0              | 38646 | 18.3            | 46.0  | 0.0   |       | 100 |
| AGRICO CHEMICAL CO    |       | BOWLING GREENKY |       |       | XS CL | RV  |
| GRADE                 | NUM   | N               | APA   | PCT   |       |     |
| 0-25-25               | 38166 | 0.0             | 27.1  | 26.3  |       | 106 |
| 3-14-14               | 38146 | 6.2             | 22.3  | 16.7  |       | 144 |
| 10-10-10              | 38137 | 9.0*            | 10.4  | 12.2  |       | 102 |

TABLE 1. (Continued)

| AGRICC CHEMICAL CO  |       | CECILIA   |       | KY    |       |     |
|---------------------|-------|-----------|-------|-------|-------|-----|
| GRADE               | NUM   | N         | APA   | POT   | XS CL | RV  |
| 4-23-23             | 38086 | 5.8       | 23.4  | 24.8  |       | 104 |
| 5-10-15             | 38777 | 5.5       | 11.1  | 13.3* |       | 103 |
| 5-10-15             | 38876 | 5.6       | 11.6  | 15.0  |       | 110 |
| 5-10-15             | 39173 | 5.4       | 9.7   | 15.7  |       | 102 |
| 5-10-15             | 39361 | 5.0       | 9.5   | 14.9  |       | 98  |
| 5-10-15             | 40052 | 4.8       | 9.5   | 15.4  |       | 98  |
| 5-20-20             | 38778 | 4.9       | 18.6* | 17.5* |       | 92* |
| 5-20-20             | 39360 | 5.3       | 20.9  | 18.1* |       | 100 |
| 6-12-12             | 39174 | 8.1       | 14.9  | 12.4  |       | 122 |
| 6-12-12             | 39359 | 5.7       | 12.0  | 14.0  |       | 103 |
| 10-10-10            | 38310 | 9.9       | 9.9   | 9.8   |       | 98  |
| 10-10-10            | 38421 | 12.5      | 12.9  | 12.9  |       | 127 |
| 10-10-10            | 38546 | 9.9       | 9.7   | 10.6  |       | 100 |
| 10-10-10            | 38776 | 10.5      | 9.3   | 8.4*  |       | 96* |
| 10-10-10            | 39357 | 10.0      | 9.8   | 10.2  |       | 100 |
| 10-10-10            | 39358 | 10.4      | 9.8   | 9.8   |       | 100 |
| 10-10-10            | 38874 | 9.4       | 8.6*  | 10.2  |       | 92* |
| 12-19-18            | 39961 | 11.2*     | 16.5* | 25.0  |       | 98  |
| 15-15-15            | 38875 | 15.7      | 14.6  | 13.4* |       | 99  |
| 15-15-15            | 39172 | 15.8      | 17.1  | 14.8  |       | 107 |
| 15-15-15            | 40053 | 17.5      | 16.1  | 12.3* |       | 106 |
| 18-18-18            | 39960 | 18.0      | 18.7  | 18.6  |       | 101 |
| 19-16-21            | 39959 | 21.3      | 16.1  | 20.1* |       | 100 |
| 26-13- 8            | 39963 | 26.3      | 12.4* | 10.3  |       | 100 |
| 34-19- 0            | 39962 | 35.6      | 18.3  | 0.0   |       | 101 |
| AGRICC CHEMICAL CO  |       | CLARKSON  |       | KY    |       |     |
| GRADE               | NUM   | N         | APA   | POT   | XS CL | RV  |
| 4-16-16             | 38094 | 4.1       | 19.5  | 17.7  |       | 114 |
| 9-18-27             | 40241 | 11.8      | 18.2  | 26.1* |       | 104 |
| 11-30-20            | 39233 | 11.8      | 31.3  | 20.3  |       | 101 |
| 16-16-21            | 40239 | 14.2*     | 14.7* | 25.6  |       | 96* |
| 17-14-21            | 40240 | 16.6*     | 14.5  | 23.6  |       | 100 |
| 19-19-19            | 39232 | 17.6*     | 19.0  | 21.2  |       | 99  |
| AGRICC CHEMICAL CO  |       | CLAY      |       | KY    |       |     |
| GRADE               | NUM   | N         | APA   | POT   | XS CL | RV  |
| 0-14-40             | 38069 | 0.0       | 13.5  | 42.6  |       | 102 |
| 7-18-36             | 38067 | 7.8       | 20.1  | 35.8  |       | 107 |
| 7-18-36             | 39386 | 7.3       | 18.2  | 38.1  |       | 103 |
| 7-18-36             | 39742 | 7.9       | 21.0  | 34.1* |       | 107 |
| 11-16-32            | 39387 | 11.5      | 17.6  | 33.1  |       | 104 |
| AGRICC CHEMICAL CO  |       | FREDONIA  |       | KY    |       |     |
| GRADE               | NUM   | N         | APA   | PCT   | XS CL | RV  |
| 6-18-36             | 40356 | 8.8       | 21.7  | 32.2* |       | 111 |
| 7- 7- 7             | 38026 | 12.3      | 10.7  | 4.6*  |       | 127 |
| 17-23-18            | 39570 | 20.3      | 27.9  | 12.6* |       | 107 |
| 25- 9-19            | 39571 | 26.8      | 10.5  | 19.4  |       | 105 |
| 26-18-11            | 39569 | 21.5*     | 22.5  | 14.1  |       | 101 |
| AGRICC CHEMICAL CO  |       | HARTFORD  |       | KY    |       |     |
| GRADE               | NUM   | N         | APA   | POT   | XS CL | RV  |
| 0-23-30             | 39955 | 0.0       | 23.8  | 30.5  |       | 102 |
| 5-23-23             | 39545 | 7.4       | 24.4  | 22.8* |       | 103 |
| 9-23-30             | 39957 | 9.5       | 24.0  | 29.0* |       | 101 |
| 18-19-19            | 39544 | 19.3      | 20.6  | 17.2* |       | 102 |
| 24-15-15            | 39956 | 21.6*     | 15.5  | 20.3  |       | 98  |
| AGRICC CHEMICAL CO. |       | HENDERSON |       | KY    |       |     |
| GRADE               | NUM   | N         | APA   | POT   | XS CL | RV  |
| 0- 0-61             | 37997 | 0.0       | 0.0   | 59.7  |       | 98  |

TABLE 1. (Continued)

| AGRICO CHEMICAL CO. |       | HENDERSON    |       |       | KY    |     |
|---------------------|-------|--------------|-------|-------|-------|-----|
| GRADE               | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-15-40             | 39030 | 0.0          | 15.3  | 40.9  |       | 101 |
| 0-15-40             | 39034 | 0.0          | 14.6  | 42.3  |       | 102 |
| 0-23-30             | 39032 | 0.0          | 24.6  | 28.9  |       | 103 |
| 0-23-30             | 39731 | 0.0          | 27.0  | 22.4* |       | 101 |
| 0-44-0              | 37996 | 0.0          | 45.4  | 0.0   |       | 103 |
| 4-25-25             | 38070 | 4.9          | 27.5  | 25.6  |       | 106 |
| 6-24-24             | 38071 | 5.5          | 24.0  | 28.8  |       | 104 |
| 15-15-15            | 39383 | 12.7*        | 12.1* | 19.6  |       | 92* |
| 16-20-0             | 40349 | 16.7         | 19.2  | 0.0   |       | 100 |
| 18-46-0             | 37998 | 17.6         | 47.2  | 0.0   |       | 101 |
| 28-0-0              | 37905 | 28.0         | 0.0   | 0.0   |       | 100 |
| 28-0-0              | 37926 | 28.9         | 0.0   | 0.0   |       | 103 |
| 28-0-0              | 37943 | 28.5         | 0.0   | 0.0   |       | 102 |
| 82-0-0              | 37946 | 81.8         | 0.0   | 0.0   |       | 100 |
| 82-0-0              | 37961 | 81.4         | 0.0   | 0.0   |       | 99  |
| 82-0-0              | 38145 | 82.0         | 0.0   | 0.0   |       | 100 |
| AGRICO CHEMICAL CO  |       | HODGENVILLE  |       |       | KY    |     |
| GRADE               | NUM   | N            | APA   | POT   | XS CL | RV  |
| 12-24-24            | 39134 | 13.3         | 25.1  | 24.5  |       | 102 |
| 19-19-19            | 39135 | 18.2         | 19.1  | 21.8  |       | 101 |
| 19-19-19            | 40054 | 19.0         | 20.4  | 20.1  |       | 101 |
| 19-19-19            | 40055 | 20.0         | 20.0  | 17.4* |       | 100 |
| AGRICO CHEMICAL CO  |       | HORSE CAVE   |       |       | KY    |     |
| GRADE               | NUM   | N            | APA   | POT   | XS CL | RV  |
| 3-14-14             | 38089 | 3.5          | 13.6* | 19.5  |       | 107 |
| 8-21-26             | 39468 | 7.5*         | 17.6* | 29.4  |       | 92* |
| 9-23-23             | 39471 | 8.7          | 20.6* | 28.5  |       | 97* |
| 10-10-10            | 38088 | 8.8*         | 10.8  | 19.2  |       | 109 |
| 19-19-19            | 39469 | 16.9*        | 20.0  | 22.3  |       | 99  |
| 25-9-14             | 40231 | 21.5*        | 11.5  | 19.2  |       | 99  |
| 29-6-10             | 40232 | 22.0*        | 8.6   | 17.3  |       | 94* |
| 29-9-13             | 39470 | 25.4*        | 10.2  | 18.2  |       | 97* |
| AGRICO CHEMICAL CO  |       | IRVINGTON    |       |       | KY    |     |
| GRADE               | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-20-19             | 39112 | 0.0          | 20.2  | 18.9* |       | 99  |
| 10-20-21            | 39114 | 10.3         | 20.4  | 21.4  |       | 101 |
| 14-37-11            | 38044 | 13.2*        | 35.8* | 14.2  |       | 97* |
| AGRICO CHEMICAL CO  |       | MADISONVILLE |       |       | KY    |     |
| GRADE               | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-20-28             | 37989 | 0.0          | 21.9  | 27.4  |       | 103 |
| 3-14-14             | 38159 | 4.1          | 14.1  | 17.1  |       | 107 |
| 8-21-14             | 38160 | 9.0          | 21.6  | 12.9* |       | 100 |
| 9-23-30             | 39515 | 7.6*         | 20.9* | 32.4  |       | 95* |
| 9-23-30             | 39516 | 7.8*         | 19.8* | 34.7  |       | 96* |
| 10-10-10            | 40198 | 11.8         | 11.9  | 11.4  |       | 118 |
| AGRICO CHEMICAL CO  |       | MORGANFIELD  |       |       | KY    |     |
| GRADE               | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-13-43             | 38924 | 0.0          | 14.2  | 42.1  |       | 101 |
| 0-15-39             | 38188 | 0.0          | 16.6  | 39.9  |       | 104 |
| 0-18-35             | 38186 | 0.0          | 22.3  | 32.6* |       | 107 |
| 0-23-29             | 38204 | 0.0          | 18.7* | 36.2  |       | 95* |
| 0-24-24             | 38152 | 0.0          | 21.0* | 31.2  |       | 99  |
| 2-6-10              | 38187 | 2.0          | 6.0   | 10.5  |       | 102 |
| 7-22-30             | 38032 | 7.2          | 22.4  | 32.0  |       | 99  |
| 8-8-10              | 38153 | 7.9          | 6.3*  | 9.5   |       | 90* |
| 12-24-24            | 38923 | 11.7         | 24.4  | 26.7  |       | 100 |
| 14-6-11             | 39814 | 12.8*        | 9.6   | 10.7* |       | 100 |

TABLE 1. (Continued)

| AGRICC CHEMICAL CO             |       | MORGANFIELD KY  |       |       |       |     |
|--------------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 19-19-19                       | 38926 | 21.2            | 19.3  | 17.6* |       | 101 |
| AGRICC CHEMICAL CO             |       | CWENSBORO KY    |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-23-30                        | 38920 | 0.0             | 25.8  | 28.0* |       | 105 |
| 0-23-30                        | 38921 | 0.0             | 22.4  | 32.2  |       | 101 |
| 0-23-30                        | 39578 | 0.0             | 24.3  | 29.7  |       | 103 |
| 5-20-20                        | 37910 | 6.0             | 22.2  | 12.7* |       | 99  |
| 5-23-23                        | 38821 | 7.0             | 26.5  | 21.8* |       | 110 |
| 6-24-24                        | 38157 | 5.2*            | 24.4  | 20.9* |       | 95* |
| 6-24-24                        | 38158 | 4.4*            | 24.9  | 24.2  |       | 98  |
| 9-23-30                        | 39579 | 9.0             | 23.2  | 30.7  |       | 101 |
| 9-23-30                        | 40037 | 8.4             | 20.8* | 33.0  |       | 97* |
| 14-14-14                       | 40038 | 15.6            | 18.8  | 18.8  |       | 120 |
| AGRICC CHEMICAL CO             |       | RUSSELLVILLE KY |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 5-20-20                        | 39350 | 5.8             | 20.2  | 20.9  |       | 104 |
| 10-10-10                       | 39349 | 8.6*            | 10.8  | 10.3  |       | 98  |
| 10-10-15                       | 40086 | 10.0            | 9.4   | 14.0* |       | 96* |
| 21-10-10                       | 39830 | 21.9            | 12.0  | 10.5  |       | 104 |
| 23- 6- 6                       | 38565 | 21.2*           | 7.7   | 9.2   |       | 102 |
| AGRICC CHEMICAL CO             |       | STURGIS KY      |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-20-33                        | 38106 | 0.0             | 19.4  | 34.8  |       | 100 |
| 0-21-32                        | 38928 | 0.0             | 21.1  | 33.0  |       | 100 |
| 0-21-32                        | 39385 | 0.0             | 17.5* | 38.8  |       | 99  |
| 12-12-12                       | 38191 | 12.5            | 13.5  | 17.2  |       | 113 |
| AIR PRODUCTS & CHEMICALS INC.  |       | PENSACOLA FL    |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 33- 0- 0                       | 38750 | 33.4            | 0.0   | 0.0   |       | 100 |
| ALLEN CO. FARMERS SERVICE      |       | SCOTTSDALE KY   |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 11-14-20                       | 38899 | 15.4            | 16.7  | 20.4  |       | 118 |
| 15-13-20                       | 40103 | 14.6*           | 14.1  | 22.5  |       | 103 |
| 15-16-16                       | 38898 | 15.6            | 16.6  | 16.5  |       | 102 |
| ALLIED CHEM CORP-UNION TX PET  |       | HOUSTON TX      |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 21- 0- 0                       | 38647 | 21.4            | 0.0   | 0.0   |       | 102 |
| AMERICAN CYANAMID CO.          |       | PRINCETON NJ    |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 18-46- 0                       | 40234 | 18.8            | 46.6  | 0.0   |       | 102 |
| 34- 0- 0                       | 38639 | 34.3            | 0.0   | 0.0   |       | 101 |
| 34- 0- 0                       | 38707 | 34.0            | 0.0   | 0.0   |       | 100 |
| 34- 0- 0                       | 39014 | 34.0            | 0.0   | 0.0   |       | 100 |
| 34- 0- 0                       | 39269 | 34.5            | 0.0   | 0.0   |       | 101 |
| 34- 0- 0                       | 39331 | 34.6            | 0.0   | 0.0   |       | 102 |
| THE ANDERSONS, SPECIALTIES DIV |       | MAUMEE OH       |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 19-19-19                       | 39109 | 18.4            | 20.2  | 19.9  |       | 102 |
| ASKEW FARM SERVICE             |       | HOPKINSVILLE KY |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-26-26                        | 40068 | 0.0             | 22.6* | 30.3  |       | 97* |
| 5-20-20                        | 40067 | 5.0             | 18.4* | 19.8  |       | 95* |
| 8- 8-13                        | 40205 | 9.7             | 9.3   | 13.5  |       | 106 |
| 29-26- 0                       | 38685 | 28.0*           | 27.1  | 0.0   |       | 98  |
| AYERS SEED & FERTILIZER        |       | MORGANTOWN KY   |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 17-17-17                       | 40375 | 15.9*           | 13.9* | 23.3  |       | 93* |

TABLE 1. (Continued)

| JAMES C. BAILEY             |       | MAYFIELD  |       | KY    |  | XS CL | RV  |
|-----------------------------|-------|-----------|-------|-------|--|-------|-----|
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 6-16-16                     | 39789 | 6.8       | 15.8  | 15.9  |  |       | 101 |
| 13-10-10                    | 40066 | 12.2*     | 12.0  | 11.0  |  |       | 99  |
| BALLARD CO. COOP.           |       | LA CENTER |       | KY    |  | XS CL | RV  |
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 13-18-24                    | 39461 | 13.7      | 18.3  | 27.3  |  |       | 103 |
| 20-18-12                    | 40062 | 20.0      | 18.1  | 14.3  |  |       | 100 |
| BARREN RIVER FERT. CO., INC |       | GLASGOW   |       | KY    |  | XS CL | RV  |
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 0- 0-60                     | 40119 | 0.0       | 0.0   | 58.9  |  |       | 98  |
| 0-46- 0                     | 40120 | 0.0       | 40.0* | 0.0   |  |       | 87* |
| 5-10-15                     | 38973 | 6.2       | 10.0  | 15.6  |  |       | 106 |
| 5-10-15                     | 39058 | 5.5       | 11.6  | 13.9* |  |       | 107 |
| 5-10-15                     | 39489 | 5.4       | 8.8*  | 15.6  |  |       | 98  |
| 5-10-15                     | 39550 | 5.9       | 12.3  | 13.6* |  |       | 111 |
| 5-10-15                     | 39631 | 6.3       | 10.8  | 13.6* |  |       | 106 |
| 5-10-15                     | 39705 | 4.2*      | 6.9*  | 23.4  |  |       | 101 |
| 5-10-15                     | 39706 | 5.7       | 9.1*  | 16.2  |  |       | 102 |
| 5-10-15                     | 39805 | 5.8       | 10.8  | 15.3  |  |       | 108 |
| 5-10-15                     | 39818 | 7.7       | 12.6  | 13.0* |  |       | 119 |
| 5-10-15                     | 39921 | 4.9       | 8.2*  | 18.8  |  |       | 100 |
| 5-10-15                     | 40121 | 4.9       | 9.9   | 14.8  |  |       | 98  |
| 5-10-15                     | 40215 | 4.4*      | 9.9   | 17.6  |  |       | 103 |
| 5-10-15                     | 40227 | 5.5       | 9.6   | 11.7* |  |       | 93* |
| 5-10-15                     | 40251 | 6.1       | 9.7   | 7.9*  |  |       | 88* |
| 5-20-19                     | 39018 | 4.5       | 16.4* | 22.2  |  |       | 92* |
| 5-20-20                     | 39059 | 5.7       | 21.0  | 18.7* |  |       | 103 |
| 5-20-20                     | 39632 | 5.2       | 12.5* | 20.0  |  |       | 79* |
| 5-20-20                     | 40314 | 5.8       | 23.0  | 14.5* |  |       | 103 |
| 5-20-20                     | 40342 | 5.8       | 21.6  | 18.4* |  |       | 104 |
| 5-20-20                     | 40318 | 9.6       | 13.1  | 9.1*  |  |       | 113 |
| 6-12-12                     | 39954 | 6.7       | 23.8  | 23.8  |  |       | 101 |
| 6-24-24                     | 38949 | 10.8      | 11.2  | 9.8   |  |       | 108 |
| 10-10-10                    | 38974 | 8.3*      | 9.3*  | 11.0  |  |       | 92* |
| 10-10-10                    | 39119 | 9.7       | 10.3  | 13.9  |  |       | 108 |
| 10-10-10                    | 39551 | 12.5      | 12.9  | 8.8*  |  |       | 119 |
| 10-10-10                    | 39699 | 9.6       | 10.0  | 11.0  |  |       | 100 |
| 10-10-10                    | 39724 | 10.7      | 11.7  | 7.0*  |  |       | 103 |
| 10-10-10                    | 39725 | 10.2      | 12.4  | 10.5  |  |       | 111 |
| 10-10-10                    | 39804 | 9.8       | 11.3  | 7.7*  |  |       | 99  |
| 10-10-10                    | 39817 | 11.4      | 13.8  | 6.5*  |  |       | 114 |
| 10-10-10                    | 40226 | 9.8       | 9.6   | 10.3  |  |       | 98  |
| 10-10-10                    | 40399 | 9.9       | 10.6  | 8.7*  |  |       | 99  |
| 10-10-10                    | 39017 | 11.8      | 7.8*  | 11.5  |  |       | 101 |
| 10-10-10                    | 40252 | 10.1      | 19.9  | 18.2* |  |       | 98  |
| 10-20-20                    | 40402 | 7.7*      | 19.1  | 22.7  |  |       | 95* |
| 10-20-20                    | 40250 | 11.8*     | 7.3*  | 9.1*  |  |       | 89* |
| 12- 8-10                    | 39703 | 13.8      | 29.5  | 17.6* |  |       | 109 |
| 12-24-24                    | 39704 | 11.8      | 20.3* | 27.5  |  |       | 95* |
| 12-24-24                    | 40116 | 16.4      | 24.3  | 16.6* |  |       | 102 |
| 12-24-24                    | 40117 | 13.1      | 25.1  | 21.1* |  |       | 102 |
| 12-24-24                    | 40118 | 13.7      | 25.1  | 20.8* |  |       | 102 |
| 12-24-24                    | 40118 | 13.7      | 25.1  | 20.8* |  |       | 102 |
| 14-14-13                    | 38741 | 13.9      | 9.4*  | 18.3  |  |       | 91* |
| 15- 0- 0                    | 40400 | 15.3      | 0.0   | 0.0   |  |       | 102 |
| 20-10-10                    | 38110 | 20.4      | 11.1  | 10.1  |  |       | 104 |
| 46- 0- 0                    | 40401 | 46.1      | 0.0   | 0.0   |  |       | 100 |

TABLE 1. (Continued)

| BIG FOUR FEED & IMPLEMENT CO  |       | SCOTTSVILLE |       | KY    |       |     |
|-------------------------------|-------|-------------|-------|-------|-------|-----|
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 9-10-10                       | 38901 | 10.1        | 10.5  | 13.8  |       | 111 |
| 11-16-24                      | 40099 | 6.9*        | 8.7*  | 35.6  |       | 83* |
| BIG 4 FERT & CHEM CO.         |       | BARDSTOWN   |       | KY    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 10-25-26                      | 38847 | 10.4        | 27.4  | 26.0  |       | 103 |
| 12-30-20                      | 39624 | 11.2*       | 29.6  | 22.3  |       | 98  |
| 14-13-26                      | 39864 | 14.9        | 10.2* | 28.2  |       | 96* |
| 21-13-12                      | 40184 | 21.7        | 12.6  | 15.5  |       | 101 |
| 26- 0-12                      | 40185 | 25.1*       | 0.0   | 16.6  |       | 102 |
| BISHOP CO.-DIV LEBANON CHEM   |       | LEBANON     |       | PA    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 18- 5- 9                      | 39043 | 17.9        | 5.0   | 9.5   |       | 101 |
| BOURBON FARM SERVICE          |       | PARIS       |       | KY    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 16- 9-14                      | 40298 | 16.6        | 10.6  | 13.8* |       | 101 |
| 19- 6-16                      | 39840 | 19.8        | 7.0   | 16.7  |       | 102 |
| OTIS BRYANT & SON MILLING CO. |       | CANEYVILLE  |       | KY    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 9-23-20                       | 38090 | 9.4         | 24.1  | 23.3  |       | 107 |
| 10-25-25                      | 40384 | 11.9        | 29.4  | 20.6* |       | 106 |
| 19-19-19                      | 39770 | 17.6*       | 19.3  | 22.7  |       | 99  |
| 21-16-18                      | 39237 | 18.5*       | 16.8  | 23.2  |       | 98  |
| BUPKHART FEED MILL            |       | AUBURN      |       | KY    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 0-40- 0                       | 39829 | 0.0         | 40.5  | 0.0   |       | 101 |
| BURLEY BELT CHEMICAL CO.      |       | LEXINGTON   |       | KY    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 0- 0-50                       | 38705 | 0.0         | 0.0   | 50.0  |       | 100 |
| 5-10-15                       | 38585 | 5.1         | 10.4  | 14.8  |       | 101 |
| 5-10-15                       | 38702 | 5.8         | 9.9   | 14.8  |       | 102 |
| 5-10-15                       | 39758 | 6.2         | 12.5  | 9.5*  |       | 104 |
| 5-10-15                       | 39761 | 5.2         | 10.3  | 15.1  |       | 102 |
| 5-20-20                       | 38984 | 5.5         | 19.8  | 19.8  |       | 100 |
| 5-20-20                       | 38998 | 5.4         | 19.5  | 20.0  |       | 100 |
| 5-20-20                       | 39756 | 6.7         | 21.9  | 15.7* |       | 104 |
| 6-12-12                       | 39760 | 6.2         | 12.1  | 12.3  |       | 101 |
| 8-10-15                       | 38704 | 8.8         | 8.9*  | 15.8  |       | 100 |
| 10- 0-20                      | 39497 | 10.9        | 0.0   | 20.0  |       | 102 |
| 10-10-10                      | 38584 | 10.0        | 10.8  | 10.3  |       | 104 |
| 10-10-10                      | 38703 | 8.9*        | 10.2  | 9.8   |       | 96* |
| 10-10-10                      | 39757 | 12.0        | 17.4  | 5.7*  |       | 129 |
| 10-10-10                      | 39759 | 8.3*        | 9.1*  | 12.6  |       | 95* |
| 10-10-10                      | 39763 | 9.5         | 10.5  | 11.1  |       | 102 |
| 10-10-20                      | 39609 | 9.4         | 10.6  | 20.0  |       | 100 |
| 12-12-12                      | 39762 | 11.9        | 12.2  | 12.4  |       | 101 |
| 16- 0-19                      | 39603 | 14.9*       | 0.0   | 22.1  |       | 99  |
| BURLEY BELT CHEMICAL CO.      |       | CYNTHIANA   |       | KY    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 5-10-15                       | 40123 | 5.8         | 10.2  | 16.0  |       | 106 |
| 6-12-12                       | 40124 | 6.5         | 13.9  | 10.8* |       | 107 |
| BURLEY BELT CHEMICAL CO.      |       | LONDON      |       | KY    |       |     |
| GRADE                         | NUM   | N           | APA   | POT   | XS CL | RV  |
| 0-20- 0                       | 38652 | 0.0         | 18.8* | 0.0   |       | 94* |
| 0-20-20                       | 38955 | 0.0         | 20.6  | 19.8  |       | 101 |
| 0-20-20                       | 39192 | 0.0         | 18.0* | 21.3  |       | 95* |
| 0-20-20                       | 39292 | 0.0         | 20.2  | 17.6* |       | 96* |
| 0-46- 0                       | 38953 | 0.0         | 45.7  | 0.0   |       | 99  |

TABLE 1. (Continued)

| BURLEY BELT CHEMICAL CO. |       | LONDON |       | KY    |   | XS CL | RV  |
|--------------------------|-------|--------|-------|-------|---|-------|-----|
| GPADE                    | NUM   | N      | APA   | POT   |   |       |     |
| 0-46- 0                  | 39278 | 0.0    | 45.5  | 0.0   |   |       | 99  |
| 0-46- 0                  | 39712 | 0.0    | 46.6  | 0.0   |   |       | 101 |
| 4-16- 4                  | 38416 | 4.5    | 15.0* | 4.5   |   |       | 99  |
| 4-16- 4                  | 38458 | 4.4    | 15.0* | 4.2   |   |       | 98  |
| 4-16- 4                  | 38596 | 4.4    | 15.6  | 4.0   |   |       | 100 |
| 4-16- 4                  | 38670 | 4.1    | 15.8  | 3.9   |   |       | 99  |
| 4-16- 4                  | 38693 | 5.0    | 15.0* | 4.7   |   |       | 101 |
| 4-16- 4                  | 38951 | 4.3    | 16.0  | 4.5   |   |       | 102 |
| 5-10-10                  | 40156 | 5.7    | 10.1  | 9.3   | * |       | 103 |
| 5-10-15                  | 38039 | 5.0    | 10.1  | 13.8* |   |       | 98  |
| 5-10-15                  | 38202 | 5.3    | 9.8   | 14.9  |   |       | 100 |
| 5-10-15                  | 38248 | 5.4    | 10.1  | 15.4  |   |       | 103 |
| 5-10-15                  | 38357 | 4.9    | 9.9   | 15.8  |   |       | 101 |
| 5-10-15                  | 38415 | 4.8    | 10.1  | 14.1* |   |       | 98  |
| 5-10-15                  | 38494 | 5.1    | 10.3  | 14.8  |   |       | 101 |
| 5-10-15                  | 38500 | 4.7    | 10.6  | 15.1  |   |       | 101 |
| 5-10-15                  | 38537 | 5.1    | 9.9   | 15.0  |   |       | 100 |
| 5-10-15                  | 38577 | 5.1    | 10.4  | 14.8  |   |       | 101 |
| 5-10-15                  | 38594 | 5.0    | 10.0  | 14.8  |   |       | 99  |
| 5-10-15                  | 38598 | 5.3    | 9.7   | 15.1  |   |       | 100 |
| 5-10-15                  | 38653 | 5.3    | 10.2  | 15.4  |   |       | 103 |
| 5-10-15                  | 38671 | 5.2    | 10.3  | 15.9  |   |       | 104 |
| 5-10-15                  | 38718 | 5.8    | 9.7   | 15.5  |   |       | 103 |
| 5-10-15                  | 38720 | 5.0    | 10.4  | 15.9  |   |       | 104 |
| 5-10-15                  | 38722 | 5.3    | 10.4  | 16.0  |   |       | 105 |
| 5-10-15                  | 38723 | 4.9    | 10.2  | 14.8  |   |       | 100 |
| 5-10-15                  | 38786 | 5.5    | 10.3  | 15.2  |   |       | 104 |
| 5-10-15                  | 38832 | 5.0    | 10.7  | 13.9* |   |       | 101 |
| 5-10-15                  | 38913 | 5.0    | 10.5  | 15.9  | * |       | 104 |
| 5-10-15                  | 38914 | 6.5    | 10.3  | 15.6  |   |       | 109 |
| 5-10-15                  | 38954 | 4.9    | 10.6  | 14.8  |   |       | 102 |
| 5-10-15                  | 38956 | 6.1    | 10.5  | 14.8  |   |       | 106 |
| 5-10-15                  | 38961 | 5.0    | 10.7  | 15.4  |   |       | 104 |
| 5-10-15                  | 39048 | 5.4    | 10.4  | 15.3  |   |       | 104 |
| 5-10-15                  | 39079 | 5.5    | 9.9   | 15.1  |   |       | 102 |
| 5-10-15                  | 39085 | 4.9    | 10.2  | 15.0  |   |       | 100 |
| 5-10-15                  | 39129 | 5.1    | 10.3  | 15.4  |   |       | 102 |
| 5-10-15                  | 39185 | 5.0    | 10.4  | 16.0  |   |       | 104 |
| 5-10-15                  | 39207 | 5.0    | 10.5  | 14.8  |   |       | 102 |
| 5-10-15                  | 39274 | 5.3    | 9.9   | 15.1  |   |       | 101 |
| 5-10-15                  | 39421 | 5.9    | 10.4  | 15.1  |   |       | 106 |
| 5-10-15                  | 39494 | 5.9    | 10.3  | 15.5  |   |       | 107 |
| 5-10-15                  | 39582 | 4.9    | 10.0  | 15.1  |   |       | 99  |
| 5-10-15                  | 39716 | 5.7    | 10.6  | 15.1  |   |       | 106 |
| 5-10-15                  | 39810 | 4.8    | 10.0  | 14.1* |   |       | 97* |
| 5-10-15                  | 40035 | 5.4    | 10.6  | 15.3  |   |       | 105 |
| 5-10-15                  | 40223 | 5.8    | 10.4  | 15.3  |   |       | 106 |
| 5-10-15                  | 40299 | 6.1    | 10.8  | 16.0  |   |       | 110 |
| 5-10-15                  | 40324 | 6.1    | 10.2  | 15.7  |   |       | 107 |
| 5-10-15                  | 40332 | 5.8    | 10.5  | 16.1  |   |       | 108 |
| 5-10-15                  | 40334 | 5.1    | 10.2  | 15.2  |   |       | 102 |
| 5-10-15                  | 40387 | 5.6    | 10.4  | 15.5  |   |       | 106 |
| 5-10-15                  | 40406 | 5.7    | 10.6  | 15.5  |   |       | 107 |
| 5-10-15                  | 39125 | 6.2    | 10.1  | 16.0  |   |       | 108 |
| 5-10-15                  | 39711 | 5.3    | 11.1  | 14.8  |   |       | 106 |
| 5-10-15                  | 40195 | 5.6    | 10.5  | 15.2  |   |       | 105 |
| 5-20-20                  | 38231 | 4.9    | 13.8* | 19.8  |   |       | 96* |



TABLE 1. (Continued)

| BURLEY BELT CHEMICAL CO. |       | LONDON |       | KY    |   | XS CL | RV  |
|--------------------------|-------|--------|-------|-------|---|-------|-----|
| GRADE                    | NUM   | N      | APA   | PDT   |   |       |     |
| 5-20-20                  | 38296 | 5.5    | 19.1  | 19.2  |   |       | 97* |
| 5-20-20                  | 38495 | 4.9    | 18.7* | 18.5* |   |       | 94* |
| 5-20-20                  | 38538 | 5.2    | 18.0* | 18.5* |   |       | 93* |
| 5-20-20                  | 38593 | 5.4    | 17.6* | 19.1  |   |       | 93* |
| 5-20-20                  | 38719 | 4.9    | 19.0  | 18.9* |   |       | 95* |
| 5-20-20                  | 38833 | 5.3    | 18.9* | 19.8  |   |       | 97* |
| 5-20-20                  | 38959 | 5.2    | 18.9* | 19.8  |   |       | 97* |
| 5-20-20                  | 39184 | 5.1    | 19.2  | 20.5  |   |       | 99  |
| 5-20-20                  | 39246 | 5.6    | 18.4* | 19.8  |   |       | 97* |
| 5-20-20                  | 39289 | 5.8    | 18.6* | 21.3  |   |       | 101 |
| 5-20-20                  | 39914 | 6.1    | 20.3  | 15.0* |   |       | 97* |
| 5-20-20                  | 40149 | 6.5    | 18.7* | 17.8* |   |       | 97* |
| 5-20-20                  | 40331 | 9.2    | 11.7* | 11.4* |   |       | 76* |
| 5-20-20                  | 38724 | 5.0    | 19.7  | 19.8  |   |       | 99  |
| 5-20-20                  | 39126 | 5.2    | 19.2  | 20.1  |   |       | 99  |
| 6- 6-18                  | 39809 | 6.9    | 5.6   | 18.9  |   |       | 105 |
| 6-12-12                  | 37902 | 5.3*   | 11.1* | 11.5  |   |       | 92* |
| 6-12-12                  | 38201 | 5.2*   | 11.4  | 11.8  |   |       | 94* |
| 6-12-12                  | 38247 | 5.3*   | 11.9  | 12.5  |   |       | 98  |
| 6-12-12                  | 38299 | 5.9    | 11.9  | 11.1* |   |       | 97* |
| 6-12-12                  | 38365 | 6.0    | 12.5  | 12.8  |   |       | 104 |
| 6-12-12                  | 38496 | 5.0*   | 8.3*  | 15.2  |   |       | 87* |
| 6-12-12                  | 38578 | 5.5    | 11.9  | 11.9  |   |       | 97* |
| 6-12-12                  | 39078 | 6.0    | 11.8  | 11.8  |   |       | 99  |
| 6-12-12                  | 39080 | 6.5    | 12.3  | 11.9  |   |       | 103 |
| 6-12-12                  | 39082 | 6.1    | 11.9  | 11.9  |   |       | 100 |
| 6-12-12                  | 39127 | 5.7    | 12.3  | 12.8  |   |       | 101 |
| 6-12-12                  | 39308 | 6.3    | 12.5  | 11.3  |   |       | 103 |
| 6-12-12                  | 39776 | 8.3    | 12.3  | 12.4  |   |       | 111 |
| 6-12-12                  | 40152 | 5.9    | 12.1  | 11.8  |   |       | 99  |
| 6-12-18                  | 38232 | 5.8    | 11.8  | 17.8  |   |       | 98  |
| 6-12-18                  | 38297 | 5.9    | 11.9  | 17.5  |   |       | 98  |
| 6-12-18                  | 38417 | 5.4*   | 16.5  | 17.5  | * |       | 114 |
| 6-12-18                  | 39276 | 5.5    | 13.8  | 18.6  | * |       | 106 |
| 7- 0- 0                  | 39176 | 6.9    | 0.0   | 0.0   |   |       | 99  |
| 7- 0- 0                  | 39633 | 6.5    | 0.0   | 0.0   |   |       | 93* |
| 7- 0- 0                  | 39717 | 7.0    | 0.0   | 0.0   |   |       | 100 |
| 8-10-15                  | 38413 | 8.4    | 9.8   | 13.3* |   |       | 98  |
| 8-10-15                  | 38717 | 6.8*   | 10.0  | 15.5  |   |       | 96* |
| 8-10-15                  | 38915 | 7.2*   | 11.2  | 15.7  |   |       | 103 |
| 8-10-15                  | 39495 | 7.9    | 9.8   | 16.8  |   |       | 102 |
| 10-10-10                 | 39279 | 9.3    | 10.3  | 9.8   |   |       | 98  |
| 10-10-10                 | 37955 | 9.7    | 10.3  | 9.4   |   |       | 99  |
| 10-10-10                 | 37987 | 9.8    | 10.2  | 9.9   |   |       | 99  |
| 10-10-10                 | 37993 | 8.9*   | 10.7  | 9.8   |   |       | 98  |
| 10-10-10                 | 38038 | 9.0*   | 10.0  | 9.9   |   |       | 96* |
| 10-10-10                 | 38058 | 9.2*   | 10.1  | 9.3*  |   |       | 96* |
| 10-10-10                 | 38168 | 9.3*   | 10.1  | 10.1  |   |       | 98  |
| 10-10-10                 | 38200 | 9.7    | 9.9   | 9.2*  |   |       | 97* |
| 10-10-10                 | 38249 | 9.0*   | 10.1  | 10.1  |   |       | 96* |
| 10-10-10                 | 38358 | 9.2*   | 10.1  | 9.9   |   |       | 97* |
| 10-10-10                 | 38418 | 9.0*   | 10.2  | 9.9   |   |       | 96* |
| 10-10-10                 | 38493 | 10.2   | 10.5  | 10.1  |   |       | 103 |
| 10-10-10                 | 38498 | 9.5    | 10.0  | 12.3  |   |       | 102 |
| 10-10-10                 | 38580 | 10.3   | 10.7  | 10.0  |   |       | 104 |
| 10-10-10                 | 38597 | 10.2   | 10.7  | 9.9   |   |       | 103 |
| 10-10-10                 | 38654 | 10.1   | 10.1  | 10.3  |   |       | 101 |

TABLE 1. (Continued)

| BURLEY BELT CHEMICAL CO.<br>GRADE | NUM   | LONDCN |       | KY    | XS CL | RV  |
|-----------------------------------|-------|--------|-------|-------|-------|-----|
|                                   |       | N      | APA   | POT   |       |     |
| 10-10-10                          | 38692 | 9.0*   | 10.2  | 9.8   |       | 97* |
| 10-10-10                          | 38721 | 9.6    | 10.2  | 10.0  |       | 99  |
| 10-10-10                          | 38725 | 9.9    | 11.7  | 8.9*  |       | 104 |
| 10-10-10                          | 38787 | 9.9    | 10.8  | 10.2  |       | 103 |
| 10-10-10                          | 38834 | 10.3   | 10.8  | 9.9   |       | 104 |
| 10-10-10                          | 38908 | 9.9    | 10.2  | 10.4  |       | 101 |
| 10-10-10                          | 38911 | 10.3   | 10.9  | 9.8   |       | 104 |
| 10-10-10                          | 38960 | 9.2*   | 10.4  | 10.0  |       | 98  |
| 10-10-10                          | 39047 | 9.3*   | 10.5  | 11.7  |       | 102 |
| 10-10-10                          | 39081 | 10.1   | 10.0  | 10.8  |       | 102 |
| 10-10-10                          | 39084 | 9.0*   | 10.3  | 9.8   |       | 97* |
| 10-10-10                          | 39128 | 10.0   | 10.5  | 10.6  |       | 103 |
| 10-10-10                          | 39241 | 8.9*   | 10.4  | 9.9   |       | 97* |
| 10-10-10                          | 39245 | 10.8   | 10.2  | 10.4  |       | 104 |
| 10-10-10                          | 39309 | 10.4   | 10.4  | 10.4  |       | 104 |
| 10-10-10                          | 39396 | 10.5   | 10.9  | 11.0  |       | 108 |
| 10-10-10                          | 39422 | 10.7   | 10.6  | 9.8   |       | 105 |
| 10-10-10                          | 39496 | 10.6   | 10.6  | 9.9   |       | 105 |
| 10-10-10                          | 39777 | 9.8    | 10.3  | 10.2  |       | 101 |
| 10-10-10                          | 39841 | 10.2   | 10.3  | 11.5  |       | 105 |
| 10-10-10                          | 39911 | 9.9    | 9.2*  | 11.7  |       | 100 |
| 10-10-10                          | 40151 | 10.5   | 10.9  | 10.8  |       | 107 |
| 10-10-10                          | 40157 | 10.2   | 11.2  | 10.3  |       | 106 |
| 10-10-10                          | 40171 | 11.0   | 11.3  | 9.0   |       | 109 |
| 10-10-10                          | 40180 | 9.8    | 9.9   | 10.0  |       | 99  |
| 10-10-10                          | 40286 | 9.9    | 10.8  | 10.4  |       | 104 |
| 10-10-10                          | 40290 | 10.2   | 11.2  | 9.9   |       | 105 |
| 10-10-10                          | 40330 | 9.7    | 10.2  | 10.0  |       | 100 |
| 10-10-10                          | 40333 | 10.2   | 10.7  | 10.3  |       | 104 |
| 10-10-10                          | 38047 | 9.6    | 9.5   | 9.8   |       | 96* |
| 10-10-10                          | 39124 | 9.9    | 10.7  | 10.3  |       | 103 |
| 10-10-10                          | 40194 | 9.9    | 10.4  | 10.9  |       | 103 |
| 10-10-15                          | 38135 | 9.6    | 9.9   | 14.3  |       | 97* |
| 10-10-15                          | 38262 | 9.1*   | 9.9   | 14.9  |       | 96* |
| 10-10-15                          | 38263 | 9.1*   | 10.1  | 15.3  |       | 98  |
| 10-10-15                          | 38264 | 9.4    | 9.4   | 14.8  |       | 95* |
| 10-10-15                          | 40034 | 9.5    | 10.3  | 15.2  |       | 99  |
| 10-10-20                          | 38853 | 9.8    | 10.5  | 18.8* |       | 99  |
| 10-10-20                          | 39290 | 10.0   | 11.3  | 18.8* |       | 102 |
| 10-20-20                          | 37954 | 10.6   | 21.2  | 16.2* |       | 100 |
| 10-20-20                          | 39275 | 10.2   | 20.4  | 18.8* |       | 100 |
| 12- 4- 8                          | 38604 | 7.8*   | 12.0  | 8.9   |       | 121 |
| 12-12-12                          | 38414 | 12.0   | 11.7  | 11.8  |       | 98  |
| 12-12-12                          | 39083 | 11.5   | 12.5  | 12.1  |       | 100 |
| 12-12-12                          | 39310 | 12.4   | 12.3  | 12.0  |       | 102 |
| 12-12-12                          | 39313 | 12.8   | 12.8  | 11.8  |       | 105 |
| 12-12-12                          | 40150 | 12.3   | 12.3  | 13.7  |       | 105 |
| 12-12-12                          | 40182 | 12.2   | 12.4  | 13.1  |       | 104 |
| 12-12-12                          | 40323 | 10.9*  | 11.7  | 12.7  |       | 96* |
| 12-12-12                          | 40335 | 10.5*  | 10.6* | 10.2* |       | 87* |
| 15-30- 0                          | 37953 | 12.9*  | 29.1  | 0.0   |       | 93* |
| 16- 8- 8                          | 38096 | 14.6*  | 9.1   | 7.3*  |       | 97* |
| 16-13-19                          | 40301 | 16.3   | 13.9  | 19.6  |       | 103 |
| 18- 6- 9                          | 40300 | 19.6   | 6.5   | 9.8   |       | 104 |
| 20-40- 0                          | 38298 | 20.2   | 40.5  | 0.0   |       | 101 |
| 21-53- 0                          | 39277 | 20.6   | 53.7  | 0.0   |       | 100 |
| 24- 0-20                          | 40359 | 24.8   | 0.0   | 19.7  |       | 102 |

TABLE 1. (Continued)

| BURLEY BELT CHEMICAL CO.    |       | LONDON         |       | KY    |       |     |
|-----------------------------|-------|----------------|-------|-------|-------|-----|
| GRADE                       | NUM   | N              | APA   | PCT   | XS CL | RV  |
| 33- 0- 0                    | 38041 | 34.7           | 0.0   | 0.0   |       | 103 |
| 33- 0- 0                    | 39098 | 34.7           | 0.0   | 0.0   |       | 103 |
| 33- 0- 0                    | 39108 | 34.7           | 0.0   | 0.0   |       | 103 |
| BURLEY BELT CHEMICAL CO.    |       | FERGUSON       |       | KY    |       |     |
| GRADE                       | NUM   | N              | APA   | PCT   | XS CL | RV  |
| 0-14-29                     | 39096 | 0.0            | 14.3  | 29.4  |       | 97* |
| 0-20-20                     | 39599 | 0.0            | 19.3  | 31.1  |       | 116 |
| 4- 0-19                     | 39105 | 6.3            | 0.0   | 18.4* |       | 104 |
| 4-16- 4                     | 38579 | 4.5            | 15.4  | 3.9   |       | 99  |
| 5-10-15                     | 38274 | 4.9            | 10.4  | 14.4  |       | 100 |
| 5-10-15                     | 38326 | 4.9            | 10.2  | 15.4  |       | 101 |
| 5-10-15                     | 38651 | 5.0            | 10.3  | 14.8  |       | 101 |
| 5-10-15                     | 39007 | 5.1            | 10.4  | 14.8  |       | 101 |
| 5-10-15                     | 39107 | 5.0            | 10.8  | 14.8  |       | 103 |
| 5-20-20                     | 38019 | 5.2            | 18.5* | 19.8  |       | 96* |
| 5-20-20                     | 38324 | 5.3            | 18.9* | 19.2  |       | 96* |
| 5-20-20                     | 38531 | 5.0            | 18.1* | 19.9  |       | 94* |
| 5-20-20                     | 38963 | 5.0            | 20.0  | 18.4* |       | 98  |
| 5-20-20                     | 39094 | 5.3            | 20.3  | 17.3* |       | 98  |
| 5-20-20                     | 39095 | 5.6            | 19.7  | 18.0* |       | 98  |
| 5-20-20                     | 39106 | 5.5            | 20.0  | 17.4* |       | 98  |
| 5-20-20                     | 39853 | 6.1            | 24.5  | 12.9* |       | 106 |
| 6-12-12                     | 38239 | 5.7            | 11.9  | 11.8  |       | 97* |
| 6-12-12                     | 39333 | 6.3            | 13.1  | 13.0  |       | 108 |
| 6-12-12                     | 39854 | 5.8            | 13.0  | 11.0* |       | 101 |
| 8- 8- 8                     | 39097 | 8.1*           | 8.8   | 8.8   |       | 95* |
| 10-10-10                    | 38325 | 9.1*           | 10.1  | 10.2  |       | 97* |
| 10-10-10                    | 38530 | 9.9            | 9.9   | 11.0  |       | 101 |
| 10-10-10                    | 39006 | 9.3*           | 10.0  | 9.9   |       | 97* |
| 10-10-10                    | 40144 | 10.0           | 10.5  | 10.3  |       | 103 |
| 10-10-10                    | 39598 | 10.1           | 10.2  | 9.9   |       | 101 |
| BURLEY BELT CHEMICAL CO.    |       | GEORGETOWN     |       | KY    |       |     |
| GRADE                       | NUM   | N              | APA   | PCT   | XS CL | RV  |
| 5-10-15                     | 39604 | 3.9*           | 11.1  | 17.9  |       | 106 |
| 10-10-10                    | 40122 | 11.3           | 12.1  | 10.9  |       | 115 |
| BURLEY BELT CHEMICAL CO.    |       | HARRODSBURG    |       | KY    |       |     |
| GRADE                       | NUM   | N              | APA   | PCT   | XS CL | RV  |
| 10-13-32                    | 39426 | 11.4           | 12.6  | 29.7* |       | 96* |
| 12- 7-10                    | 40188 | 10.4*          | 8.3   | 11.7  |       | 97* |
| BURLEY BELT CHEMICAL CO.    |       | RUSSELL SPRNG  |       | KY    |       |     |
| GRADE                       | NUM   | N              | APA   | PCT   | XS CL | RV  |
| 4- 9- 9                     | 38057 | 6.0            | 10.5  | 10.2  |       | 118 |
| 5-11-11                     | 38799 | 6.8            | 13.5  | 11.9  |       | 116 |
| 5-20-20                     | 39378 | 5.3            | 19.2  | 21.0  |       | 99  |
| 7- 9-13                     | 39431 | 7.2            | 9.4   | 13.8  |       | 101 |
| 10-10-10                    | 38800 | 10.0           | 10.9  | 10.7  |       | 105 |
| 10-10-10                    | 39379 | 10.9           | 11.6  | 10.8  |       | 108 |
| 10-10-10                    | 39380 | 10.1           | 10.1  | 10.8  |       | 101 |
| CAMPBELLSVILLE CROP SERVICE |       | CAMPBELLSVILLE |       | KY    |       |     |
| GRADE                       | NUM   | N              | APA   | PCT   | XS CL | RV  |
| 6-26-25                     | 38979 | 6.5            | 26.6  | 25.9  |       | 101 |
| 18-17-17                    | 38980 | 18.0           | 17.5  | 17.4  |       | 99  |
| CARLISLE FERTILIZER         |       | BARDWELL       |       | KY    |       |     |
| GRADE                       | NUM   | N              | APA   | PCT   | XS CL | RV  |
| 9-23-30                     | 39796 | 8.8            | 21.8* | 31.0  |       | 98  |

TABLE 1. (Continued)

| DONALD CARNEY & SON           |       | SPRINGFIELD KY  |       |       | XS CL | RV  |
|-------------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 9- 7-11                       | 39890 | 8.8             | 7.6   | 9.5*  |       | 93* |
| 15-13-20                      | 39889 | 15.9            | 12.5* | 20.3  |       | 99  |
| CAUDILL SEED CO.              |       | SHELBYVILLE KY  |       |       | XS CL | RV  |
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 0-23-25                       | 39983 | 0.0             | 20.6* | 28.6  |       | 97* |
| 0-23-30                       | 38587 | 0.0             | 24.9  | 28.8  |       | 103 |
| 5-10-15                       | 38588 | 4.5             | 9.8   | 15.5  |       | 98  |
| 6-17-37                       | 39614 | 5.2*            | 12.9* | 43.4  |       | 93* |
| 6-23-24                       | 39982 | 11.9            | 17.7* | 26.4  |       | 101 |
| 10- 0-43                      | 39615 | 8.4*            | 0.0   | 46.8  |       | 97* |
| 10-10-10                      | 38589 | 10.0            | 10.5  | 10.6  |       | 103 |
| 13-13-13                      | 38590 | 12.7            | 12.0* | 13.0  |       | 96* |
| 18- 9- 9                      | 39984 | 19.1            | 7.6*  | 10.0  |       | 100 |
| 23-15-16                      | 38850 | 23.9            | 15.0* | 17.8  |       | 100 |
| C.F. CHEMICALS, INC.          |       | BARTOW FL       |       |       | XS CL | RV  |
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 0-44- 0                       | 38199 | 0.0             | 41.8* | 0.0   |       | 95* |
| 0-44- 0                       | 38302 | 0.0             | 45.5  | 0.0   |       | 103 |
| 0-44- 0                       | 39247 | 0.0             | 44.1  | 0.0   |       | 100 |
| 18-46- 0                      | 38301 | 18.1            | 46.7  | 0.0   |       | 101 |
| CHEVRON CHEMICAL CO-ORTHO DIV |       | RICHMOND CA     |       |       | XS CL | RV  |
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 8- 8- 8                       | 37915 | 8.5             | 8.5   | 8.8   |       | 106 |
| 12- 6- 6                      | 37887 | 12.4            | 6.2   | 6.2   |       | 104 |
| 24- 4- 8                      | 38163 | 25.2            | 4.4   | 8.0   |       | 105 |
| 33- 0- 0                      | 39533 | 34.1            | 0.0   | 0.0   |       | 102 |
| CHILEAN NITRATE SALES CORP.   |       | NEW YORK NY     |       |       | XS CL | RV  |
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 16- 0- 0                      | 39487 | 15.8            | 0.0   | 0.0   |       | 99  |
| CHRISTIAN CO. SUPPLY CO.      |       | HOPKINSVILLE KY |       |       | XS CL | RV  |
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 0-20-20                       | 37990 | 0.0             | 10.3* | 14.1* |       | 58* |
| 0-20-20                       | 38813 | 0.0             | 20.0  | 16.9* |       | 95* |
| 0-40- 0                       | 38814 | 0.0             | 42.4  | 0.0   |       | 106 |
| 3-14-14                       | 38061 | 4.4             | 14.7  | 15.3  |       | 107 |
| 5-10-15                       | 39894 | 6.5             | 12.6  | 14.0* |       | 116 |
| 5-20-20                       | 39895 | 5.0             | 19.9  | 22.1  |       | 103 |
| 6-12-18                       | 39149 | 10.4            | 12.4  | 21.3  | *     | 124 |
| 10-10-10                      | 38062 | 9.3             | 14.0  | 7.7*  |       | 109 |
| 10-10-10                      | 38815 | 9.4             | 13.4  | 14.9  |       | 121 |
| 10-10-10                      | 38816 | 11.9            | 9.8   | 7.6*  |       | 102 |
| 10-20-20                      | 38063 | 9.4             | 19.2  | 18.2* |       | 94* |
| CIRCLE O FARM CENTER          |       | MARION KY       |       |       | XS CL | RV  |
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 4-12-16                       | 38027 | 4.0             | 13.9  | 17.2  |       | 110 |
| 10- 5- 5                      | 38266 | 8.1*            | 3.0*  | 4.0*  |       | 75* |
| 10- 5- 5                      | 38267 | 10.6            | 5.1   | 5.4   |       | 105 |
| 10-34- 0                      | 38130 | 11.1            | 33.3  | 0.0   |       | 101 |
| 10-34- 0                      | 38360 | 10.1            | 34.8  | 0.0   |       | 102 |
| 10-34- 0                      | 38361 | 10.1            | 35.2  | 0.0   |       | 103 |
| 12- 6- 6                      | 37879 | 11.2*           | 5.7   | 6.4   |       | 95* |
| 13- 8-12                      | 39733 | 13.5            | 8.0   | 10.3* |       | 99  |
| 14- 3- 0                      | 38556 | 12.7*           | 8.1   | 0.0   |       | 118 |
| 16-10-10                      | 39734 | 15.6            | 8.9*  | 10.1  |       | 95* |
| CIRCLE O FARM CENTER          |       | STURGIS KY      |       |       | XS CL | RV  |
| GRADE                         | NUM   | N               | APA   | POT   |       |     |
| 3-10-25                       | 39684 | 3.1             | 11.2  | 25.1  |       | 105 |

TABLE 1. (Continued)

| CIRCLE C FARM CENTER       |       | STURGIS      |       | KY   |       |     |
|----------------------------|-------|--------------|-------|------|-------|-----|
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 5-11-19                    | 39815 | 6.3          | 13.5  | 19.5 |       | 107 |
| 8-12-24                    | 38931 | 8.3          | 11.9  | 23.6 |       | 100 |
| 8-25-0                     | 40348 | 8.2          | 26.5  | 0.0  |       | 105 |
| 10-5-5                     | 38932 | 10.2         | 4.8   | 5.4  |       | 101 |
| 10-34-0                    | 40190 | 10.5         | 33.2  | 0.0  |       | 99  |
| 10-34-0                    | 38562 | 9.9          | 35.0  | 0.0  |       | 102 |
| 13-0-0                     | 38560 | 13.4         | 1.9   | 0.0  |       | 108 |
| 13-6-0                     | 38559 | 12.4*        | 9.3   | 0.0  |       | 111 |
| COMMERCIAL SOLVENTS CCRP.  |       | NEW YORK     |       | NY   |       |     |
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 33-0-0                     | 38863 | 34.0         | 0.0   | 0.0  |       | 101 |
| 33-0-0                     | 39138 | 33.4         | 0.0   | 0.0  |       | 100 |
| CRAFTON & DUNCAN INC.      |       | HENDERSON    |       | KY   |       |     |
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 16-6-11                    | 40045 | 15.4*        | 6.6   | 11.7 |       | 95* |
| 16-7-11                    | 39813 | 16.4         | 6.9   | 12.5 |       | 98  |
| 20-5-8                     | 38125 | 23.9         | 3.4*  | 4.1* |       | 99  |
| CRITTENDEN CO. FARM SUPPLY |       | MARION       |       | KY   |       |     |
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 6-26-26                    | 39143 | 6.8          | 25.7  | 26.6 |       | 100 |
| 7-19-17                    | 38023 | 8.3          | 20.7  | 17.0 |       | 102 |
| 22-15-11                   | 39144 | 22.4         | 15.6  | 11.7 |       | 102 |
| FARMERS CHEMICAL CO.       |       | HARRISON     |       | TN   |       |     |
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 28-0-0                     | 37904 | 28.2         | 0.0   | 0.0  |       | 101 |
| 28-0-0                     | 38095 | 27.2         | 0.0   | 0.0  |       | 97  |
| 28-0-0                     | 38242 | 28.8         | 0.0   | 0.0  |       | 103 |
| 28-0-0                     | 39064 | 27.7         | 0.0   | 0.0  |       | 99  |
| 28-0-0                     | 39328 | 28.1         | 0.0   | 0.0  |       | 100 |
| 28-0-0                     | 39425 | 28.7         | 0.0   | 0.0  |       | 103 |
| 28-0-0                     | 39435 | 28.4         | 0.0   | 0.0  |       | 101 |
| 28-0-0                     | 39559 | 27.9         | 0.0   | 0.0  |       | 100 |
| 34-0-0                     | 37988 | 34.2         | 0.0   | 0.0  |       | 99  |
| 34-0-0                     | 37994 | 34.6         | 0.0   | 0.0  |       | 100 |
| 34-0-0                     | 37995 | 34.3         | 0.0   | 0.0  |       | 99  |
| 34-0-0                     | 38128 | 34.9         | 0.0   | 0.0  |       | 101 |
| 34-0-0                     | 38172 | 34.5         | 0.0   | 0.0  |       | 100 |
| 34-0-0                     | 40058 | 34.0         | 0.0   | 0.0  |       | 99  |
| 34-0-0                     | 38198 | 34.7         | 0.0   | 0.0  |       | 100 |
| FARMERS FEED & FERTILIZER  |       | SCOTTSVILLE  |       | KY   |       |     |
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 3-7-8                      | 38167 | 5.2          | 9.1   | 8.9  |       | 117 |
| 16-0-30                    | 39224 | 16.3         | 0.0   | 30.8 |       | 99  |
| FARMERS FERTILIZER COMPANY |       | SMITHS GROVE |       | KY   |       |     |
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 0-0-50                     | 39486 | 0.0          | 0.0   | 52.8 |       | 106 |
| 0-0-60                     | 39485 | 0.0          | 0.0   | 60.5 |       | 101 |
| 11-11-17                   | 40253 | 8.5*         | 7.3*  | 18.8 |       | 80* |
| 11-54-0                    | 37968 | 11.7         | 55.0  | 0.0  |       | 103 |
| 15-15-15                   | 38897 | 14.2         | 14.5  | 14.8 |       | 96* |
| 19-19-19                   | 40307 | 16.4*        | 14.9* | 26.3 |       | 93* |
| 33-19-0                    | 39484 | 33.2         | 19.1  | 0.0  |       | 99  |
| FARMERS GIN COMPANY        |       | CLINTON      |       | KY   |       |     |
| GRADE                      | NUM   | N            | APA   | POT  | XS CL | RV  |
| 9-23-30                    | 39790 | 8.0*         | 20.7* | 33.1 |       | 96* |

TABLE 1. (Continued)

| FARMERS SUPPLY & PRODUCE CO. |       | MONTICELLO  |       | KY    |   | XS CL | RV  |
|------------------------------|-------|-------------|-------|-------|---|-------|-----|
| GRADE                        | NUM   | N           | APA   | POT   |   |       |     |
| 0-25-25                      | 39439 | 0.0         | 28.6  | 20.1* |   |       | 101 |
| 5-21-21                      | 39438 | 5.4         | 21.1  | 21.1  |   |       | 100 |
| 14-14-14                     | 39436 | 12.8*       | 16.4  | 15.6  |   |       | 101 |
| 14-14-14                     | 39437 | 14.7        | 15.3  | 14.5  |   |       | 102 |
| 14-14-14                     | 39653 | 14.2        | 16.2  | 12.4* |   |       | 100 |
| 15-13-13                     | 39440 | 13.9*       | 15.3  | 14.5  |   |       | 100 |
| FARMLAND INDUSTRIES INC.     |       | KANSAS CITY |       | MO    |   | XS CL | RV  |
| GRADE                        | NUM   | N           | APA   | POT   |   |       |     |
| 6-24-24                      | 38433 | 6.2         | 23.8  | 23.8  |   |       | 100 |
| 6-24-24                      | 38684 | 6.3         | 24.1  | 24.7  |   |       | 102 |
| 6-24-24                      | 38760 | 6.3         | 24.3  | 23.8  |   |       | 101 |
| 6-24-24                      | 38892 | 6.4         | 23.9  | 24.3  |   |       | 101 |
| 6-24-24                      | 39037 | 6.3         | 24.0  | 23.8  |   |       | 100 |
| 6-24-24                      | 39268 | 6.4         | 23.9  | 24.2  |   |       | 101 |
| 6-24-24                      | 39594 | 6.3         | 23.8  | 23.9  |   |       | 100 |
| 12-12-12                     | 39593 | 12.2        | 12.3  | 13.2  |   |       | 103 |
| 34- C- 0                     | 39505 | 34.1        | 0.0   | 0.0   |   |       | 100 |
| FEDERAL CHEMICAL CO          |       | LOUISVILLE  |       | KY    |   | XS CL | RV  |
| GRADE                        | NUM   | N           | APA   | PCT   |   |       |     |
| 0- 9-27                      | 38661 | 0.0         | 12.2  | 22.0* |   |       | 103 |
| 4-16- 4                      | 38270 | 4.4         | 16.1  | 5.1   |   |       | 105 |
| 4-16- 4                      | 38388 | 7.3         | 16.9  | 6.2   |   |       | 124 |
| 4-16- 4                      | 38505 | 4.2         | 18.1  | 4.5   |   |       | 111 |
| 4-16- 4                      | 38509 | 4.6         | 14.9* | 5.6   |   |       | 101 |
| 4-16- 4                      | 38735 | 7.3         | 15.5  | 6.1   |   |       | 117 |
| 4-16- 4                      | 38887 | 7.2         | 15.9  | 7.3   |   |       | 121 |
| 4-16- 4                      | 39039 | 7.5         | 15.4  | 6.6   |   |       | 119 |
| 5-10-15                      | 38017 | 5.2         | 10.1  | 15.3  |   |       | 102 |
| 5-10-15                      | 38268 | 5.1         | 9.0*  | 16.1  |   |       | 98  |
| 5-10-15                      | 38281 | 4.6         | 8.5*  | 16.3  |   |       | 94* |
| 5-10-15                      | 38462 | 5.1         | 10.6  | 14.9  |   |       | 103 |
| 5-10-15                      | 38479 | 4.9         | 10.8  | 14.3  |   |       | 102 |
| 5-10-15                      | 38480 | 5.5         | 10.8  | 15.8  |   |       | 107 |
| 5-10-15                      | 38504 | 6.2         | 10.0  | 14.1* | * |       | 103 |
| 5-10-15                      | 38510 | 8.6         | 11.0  | 14.8  |   |       | 120 |
| 5-10-15                      | 38660 | 5.0         | 9.8   | 14.9  |   |       | 99  |
| 5-10-15                      | 38807 | 6.8         | 11.2  | 14.0* | * |       | 111 |
| 5-10-15                      | 38958 | 4.7         | 9.5   | 14.9  |   |       | 96* |
| 5-10-15                      | 39004 | 5.5         | 10.2  | 15.1  |   |       | 103 |
| 5-10-15                      | 39164 | 5.4         | 11.6  | 14.8  |   |       | 108 |
| 5-10-15                      | 39170 | 5.6         | 10.5  | 15.5  |   |       | 106 |
| 5-10-15                      | 39317 | 5.0         | 10.2  | 15.4  |   |       | 102 |
| 5-10-15                      | 39661 | 5.1         | 10.5  | 14.8  |   |       | 102 |
| 5-10-15                      | 39713 | 4.6         | 12.0  | 14.8  |   |       | 106 |
| 5-10-15                      | 39754 | 4.6         | 9.8   | 16.1  |   |       | 100 |
| 5-10-15                      | 39780 | 5.3         | 7.9*  | 15.9  |   |       | 94* |
| 5-10-15                      | 40064 | 6.0         | 11.8  | 14.8  |   |       | 112 |
| 5-10-15                      | 40173 | 5.2         | 10.0  | 15.2  |   |       | 101 |
| 5-10-15                      | 40213 | 5.0         | 10.9  | 14.8  |   |       | 104 |
| 5-10-15                      | 40281 | 5.1         | 10.4  | 14.9  |   |       | 102 |
| 5-10-15                      | 40321 | 4.8         | 11.0  | 15.5  |   |       | 104 |
| 5-20-20                      | 37985 | 5.7         | 16.5* | 19.0* |   |       | 90* |
| 5-20-20                      | 38107 | 5.0         | 21.8  | 18.9* |   |       | 103 |
| 5-20-20                      | 38129 | 5.5         | 17.0* | 22.5  |   |       | 97* |
| 5-20-20                      | 38228 | 4.9         | 19.8  | 19.1  |   |       | 98  |
| 5-20-20                      | 38235 | 4.9         | 20.0  | 22.0  |   |       | 102 |
| 5-20-20                      | 38246 | 5.2         | 19.5  | 20.5  |   |       | 100 |

TABLE 1. (Continued)

| FEDERAL CHEMICAL CO |       | LOUISVILLE | KY    |       |       |     |
|---------------------|-------|------------|-------|-------|-------|-----|
| GRADE               | NUM   | N          | APA   | PCT   | XS CL | RV  |
| 5-20-20             | 38254 | 4.9        | 19.4  | 20.7  |       | 99  |
| 5-20-20             | 38478 | 6.7        | 16.3* | 18.5* |       | 92* |
| 5-20-20             | 38502 | 4.7        | 20.7  | 19.8  |       | 101 |
| 5-20-20             | 38508 | 4.8        | 19.8  | 21.7  |       | 101 |
| 5-20-20             | 38893 | 5.0        | 20.8  | 19.8  |       | 102 |
| 5-20-20             | 38967 | 6.7        | 20.1  | 18.6* |       | 103 |
| 5-20-20             | 39005 | 4.9        | 19.5  | 22.8  |       | 102 |
| 5-20-20             | 39286 | 5.3        | 19.7  | 21.0  |       | 101 |
| 5-20-20             | 39451 | 5.2        | 19.7  | 20.1  |       | 100 |
| 5-20-20             | 39665 | 5.1        | 19.4  | 21.4  |       | 101 |
| 5-20-20             | 40172 | 5.6        | 19.3  | 20.8  |       | 101 |
| 5-20-20             | 40392 | 6.9        | 19.8  | 21.1  |       | 106 |
| 5-20-20             | 40405 | 5.5        | 20.5  | 19.3  |       | 102 |
| 5-20-20             | 40209 | 5.8        | 19.3  | 21.1  |       | 102 |
| 6-12-12             | 37375 | 5.9        | 17.3  | 15.2  |       | 128 |
| 6-12-12             | 37932 | 6.3        | 12.2  | 11.8  |       | 101 |
| 6-12-12             | 38463 | 6.4        | 13.1  | 13.1  |       | 109 |
| 6-12-12             | 38506 | 5.8        | 12.2  | 13.2  |       | 102 |
| 6-12-12             | 38836 | 6.3        | 13.7  | 13.0  |       | 110 |
| 6-12-12             | 39318 | 5.9        | 12.0  | 13.4  |       | 102 |
| 6-12-12             | 39335 | 5.9        | 12.0  | 13.2  |       | 102 |
| 6-12-12             | 39454 | 7.0        | 12.1  | 13.0  |       | 107 |
| 6-12-12             | 39657 | 6.2        | 13.4  | 12.5  |       | 107 |
| 6-12-12             | 40169 | 5.9        | 13.5  | 12.7  |       | 107 |
| 6-24-24             | 37931 | 6.6        | 23.1  | 23.9  |       | 99  |
| 6-24-24             | 38395 | 6.1        | 23.2  | 21.8* |       | 96* |
| 6-24-24             | 38558 | 6.6        | 18.7* | 17.4* |       | 81* |
| 6-24-24             | 38680 | 6.8        | 23.9  | 23.3  |       | 101 |
| 6-24-24             | 38808 | 5.9        | 23.1  | 24.5  |       | 98  |
| 6-24-24             | 39452 | 7.0        | 23.6  | 23.1  |       | 100 |
| 6-24-24             | 38220 | 7.4        | 22.4* | 24.4  |       | 100 |
| 9-10-15             | 38233 | 8.5        | 11.2  | 14.4  |       | 101 |
| 9-10-15             | 38327 | 8.4        | 10.6  | 14.9  |       | 99  |
| 9-10-15             | 38507 | 8.3*       | 10.3  | 15.1  |       | 98  |
| 9-10-15             | 39336 | 8.3*       | 10.5  | 14.8  | *     | 99  |
| 9-10-15             | 39715 | 8.7        | 11.6  | 13.9* | *     | 103 |
| 9-10-15             | 40283 | 9.6        | 11.8  | 14.9  |       | 109 |
| 10-10-10            | 37874 | 10.0       | 10.3  | 11.2  |       | 104 |
| 10-10-10            | 37913 | 10.1       | 10.1  | 11.0  |       | 102 |
| 10-10-10            | 37933 | 10.7       | 11.1  | 9.8   |       | 106 |
| 10-10-10            | 37980 | 9.8        | 10.2  | 9.4   |       | 99  |
| 10-10-10            | 38046 | 8.3*       | 13.9  | 12.9  |       | 115 |
| 10-10-10            | 38234 | 9.9        | 10.1  | 9.8   |       | 99  |
| 10-10-10            | 38245 | 9.9        | 9.8   | 9.9   |       | 99  |
| 10-10-10            | 38269 | 10.0       | 10.4  | 10.2  |       | 102 |
| 10-10-10            | 38328 | 9.4        | 10.8  | 10.7  |       | 102 |
| 10-10-10            | 38461 | 10.0       | 10.7  | 11.2  |       | 105 |
| 10-10-10            | 38481 | 10.3       | 10.8  | 10.8  |       | 106 |
| 10-10-10            | 38482 | 9.9        | 10.7  | 10.3  |       | 103 |
| 10-10-10            | 38503 | 9.7        | 9.9   | 11.3  |       | 101 |
| 10-10-10            | 38511 | 10.2       | 10.0  | 10.1  |       | 101 |
| 10-10-10            | 38655 | 10.3       | 10.5  | 9.9   |       | 103 |
| 10-10-10            | 38659 | 10.5       | 10.8  | 10.8  |       | 107 |
| 10-10-10            | 38734 | 11.0       | 13.0  | 12.2  |       | 120 |
| 10-10-10            | 38785 | 9.9        | 10.5  | 11.0  |       | 104 |
| 10-10-10            | 38805 | 10.3       | 11.0  | 10.8  |       | 106 |
| 10-10-10            | 38957 | 9.7        | 10.7  | 10.3  |       | 102 |

TABLE 1. (Continued)

| FEDERAL CHEMICAL CO   |       | LOUISVILLE |       | KY    |  | XS CL | RV  |
|-----------------------|-------|------------|-------|-------|--|-------|-----|
| GRADE                 | NUM   | N          | APA   | POT   |  |       |     |
| 10-10-10              | 38993 | 9.4        | 10.2  | 10.9  |  |       | 100 |
| 10-10-10              | 38999 | 10.0       | 10.5  | 9.9   |  |       | 102 |
| 10-10-10              | 39000 | 9.5        | 9.7   | 10.3  |  |       | 97* |
| 10-10-10              | 39001 | 10.0       | 10.1  | 10.3  |  |       | 101 |
| 10-10-10              | 39118 | 9.4        | 10.3  | 11.0  |  |       | 101 |
| 10-10-10              | 39165 | 10.8       | 10.4  | 11.6  |  |       | 108 |
| 10-10-10              | 39171 | 9.4        | 10.3  | 10.0  |  |       | 98  |
| 10-10-10              | 39334 | 9.7        | 9.9   | 10.6  |  |       | 99  |
| 10-10-10              | 39402 | 10.0       | 10.3  | 12.0  |  |       | 105 |
| 10-10-10              | 39453 | 10.5       | 10.7  | 10.5  |  |       | 106 |
| 10-10-10              | 39658 | 9.9        | 10.1  | 10.2  |  |       | 100 |
| 10-10-10              | 39660 | 9.9        | 10.9  | 10.5  |  |       | 104 |
| 10-10-10              | 39698 | 9.9        | 11.4  | 11.8  |  |       | 109 |
| 10-10-10              | 39714 | 9.1*       | 10.7  | 11.4  |  |       | 102 |
| 10-10-10              | 39723 | 9.4        | 10.5  | 11.1  |  |       | 102 |
| 10-10-10              | 39747 | 9.7        | 10.6  | 10.0  |  |       | 101 |
| 10-10-10              | 39753 | 9.9        | 10.7  | 10.5  |  |       | 103 |
| 10-10-10              | 39774 | 10.3       | 10.1  | 10.8  |  |       | 103 |
| 10-10-10              | 39910 | 7.1*       | 9.5   | 13.6  |  |       | 93* |
| 10-10-10              | 40148 | 9.6        | 10.5  | 11.7  |  |       | 104 |
| 10-10-10              | 40257 | 10.0       | 11.4  | 10.8  |  |       | 107 |
| 10-10-10              | 40282 | 10.4       | 10.3  | 11.5  |  |       | 106 |
| 10-10-10              | 40315 | 9.1*       | 12.5  | 9.9   |  |       | 106 |
| 10-10-10              | 40373 | 9.8        | 10.5  | 10.8  |  |       | 102 |
| 10-10-10              | 40407 | 8.8*       | 11.9  | 10.4  |  |       | 103 |
| 10-10-15              | 39035 | 10.6       | 9.4   | 15.7  |  |       | 101 |
| 12-12-12              | 38483 | 12.0       | 12.6  | 10.7* |  |       | 100 |
| 12-12-12              | 38835 | 11.9       | 12.4  | 12.3  |  |       | 101 |
| 12-12-12              | 39316 | 12.3       | 12.4  | 12.1  |  |       | 102 |
| 12-12-12              | 39722 | 11.9       | 12.6  | 11.8  |  |       | 101 |
| 12-12-12              | 38329 | 12.0       | 13.2  | 13.0  |  |       | 106 |
| 13-13-13              | 37934 | 12.5       | 13.3  | 13.3  |  |       | 100 |
| 13-13-13              | 37969 | 12.2*      | 12.7  | 15.1  |  |       | 100 |
| 13-13-13              | 38179 | 12.1*      | 14.7  | 13.5  |  |       | 103 |
| 13-13-13              | 38896 | 13.0       | 13.3  | 14.0  |  |       | 103 |
| 13-13-13              | 40063 | 13.0       | 14.5  | 13.4  |  |       | 105 |
| 13-13-13              | 40242 | 11.7*      | 12.8  | 14.2  |  |       | 97* |
| 13-13-13              | 40304 | 12.2*      | 14.3  | 13.6  |  |       | 102 |
| 13-13-13              | 39680 | 12.4       | 14.2  | 13.4  |  |       | 102 |
| 15-10-10              | 39741 | 15.0       | 10.3  | 10.8  |  |       | 102 |
| FRANKLIN CROP SERVICE |       | FRANKLIN   |       | KY    |  | XS CL | RV  |
| GRADE                 | NUM   | N          | APA   | POT   |  |       |     |
| 5-19-24               | 37869 | 13.1       | 16.5* | 26.4  |  |       | 115 |
| 20-12-12              | 38754 | 19.1       | 11.8  | 12.9  |  |       | 98  |
| FRASIER SUPPLY CO.    |       | GLASGOW    |       | KY    |  | XS CL | RV  |
| GRADE                 | NUM   | N          | APA   | POT   |  |       |     |
| 0-20-20               | 39056 | 0.0        | 23.4  | 17.1* |  |       | 106 |
| 0-41-0                | 40056 | 0.0        | 40.3  | 0.0   |  |       | 98  |
| 5-10-15               | 38736 | 4.3*       | 9.8   | 15.0  |  |       | 98  |
| 5-10-15               | 38865 | 3.3*       | 8.7*  | 19.7  |  |       | 97* |
| 5-10-15               | 40077 | 2.0*       | 6.7*  | 26.5  |  |       | 93  |
| 5-10-15               | 40078 | 3.1*       | 8.1*  | 20.8  |  |       | 96* |
| 5-10-15               | 40083 | 6.3        | 11.4  | 10.0* |  |       | 101 |
| 5-10-15               | 40105 | 3.8*       | 7.6*  | 19.7  |  |       | 94* |
| 5-10-15               | 40363 | 4.4*       | 10.3  | 14.8  |  |       | 98  |
| 5-20-20               | 38391 | 5.3        | 20.5  | 21.0  |  |       | 103 |
| 5-20-20               | 38571 | 7.3        | 20.1  | 15.8* |  |       | 101 |



TABLE 1. (Continued)

| FRASIER SUPPLY CO.           |       | GLASGOW          |       |       | KY    |     |
|------------------------------|-------|------------------|-------|-------|-------|-----|
| GRADE                        | NUM   | N                | APA   | POT   | XS CL | RV  |
| 5-20-20                      | 39057 | 4.9              | 19.8  | 20.8  |       | 100 |
| 5-20-20                      | 39556 | 6.4              | 18.2* | 18.3* |       | 96* |
| 5-20-20                      | 39871 | 5.2              | 19.3  | 20.6  |       | 99  |
| 5-20-20                      | 39946 | 4.2*             | 17.4* | 23.2  |       | 95* |
| 6-12-12                      | 38864 | 5.6              | 9.1*  | 13.5  |       | 80* |
| 6-12-12                      | 39021 | 6.1              | 12.9  | 11.8  |       | 104 |
| 6-12-12                      | 40102 | 5.3*             | 13.1  | 15.7  |       | 110 |
| 6-12-18                      | 40106 | 4.6*             | 9.6*  | 22.8  |       | 95* |
| 8- 8- 8                      | 38744 | 6.0*             | 5.4*  | 9.9   |       | 78* |
| 10- 8-12                     | 40256 | 9.1*             | 8.2   | 17.3  | *     | 106 |
| 10-10-10                     | 38390 | 9.1*             | 11.0  | 10.8  |       | 102 |
| 10-10-10                     | 38944 | 7.8*             | 7.3*  | 12.2  |       | 85* |
| 10-10-10                     | 38947 | 10.4             | 9.6   | 8.8*  |       | 98  |
| 10-10-10                     | 39022 | 10.8             | 10.2  | 10.1  |       | 104 |
| 10-10-10                     | 39363 | 9.4              | 9.0*  | 10.4  |       | 94* |
| 10-10-10                     | 39552 | 9.9              | 9.7   | 10.1  |       | 98  |
| 10-10-10                     | 39822 | 12.2             | 11.9  | 6.7*  |       | 110 |
| 10-10-10                     | 39869 | 9.7              | 9.1*  | 10.6  |       | 96* |
| 10-10-10                     | 39944 | 9.4              | 9.1*  | 11.1  |       | 96* |
| 10-10-10                     | 39966 | 9.0*             | 8.8*  | 10.2  |       | 91* |
| 10-10-10                     | 40079 | 7.6*             | 7.5*  | 10.9  |       | 92* |
| 10-10-10                     | 40084 | 8.0*             | 7.6*  | 12.9  |       | 89* |
| 10-10-10                     | 40107 | 8.9*             | 8.6*  | 11.2  |       | 92* |
| 10-10-10                     | 40236 | 9.6              | 9.1*  | 10.8  |       | 97* |
| 10-10-10                     | 40379 | 10.3             | 10.1  | 11.1  |       | 104 |
| 10-10-10                     | 40403 | 8.9*             | 12.1  | 10.2  |       | 104 |
| 12-24-24                     | 40100 | 12.0             | 23.8  | 23.1  |       | 99  |
| 14- 6-10                     | 40255 | 13.8             | 6.1   | 13.4  |       | 102 |
| 14-14-14                     | 39870 | 14.0             | 13.5  | 14.5  |       | 99  |
| 14-14-14                     | 39945 | 14.0             | 15.1  | 10.6* |       | 98  |
| 14-14-14                     | 38292 | 12.8*            | 16.4  | 15.9  |       | 106 |
| 15-15-15                     | 40235 | 15.9             | 14.8  | 13.2* |       | 99  |
| 33- 0- 0                     | 40101 | 34.5             | 0.0   | 0.0   |       | 103 |
| 33- 0- 0                     | 39351 | 33.4             | 0.0   | 0.0   |       | 101 |
| 33- 0- 0                     | 40254 | 33.8             | 0.0   | 0.0   |       | 101 |
| 33- 0- 0                     | 40408 | 33.4             | 0.0   | 0.0   |       | 101 |
| GAMALIEL BULK FERTILIZER INC |       | TOMPKINSVILLE KY |       |       |       |     |
| GRADE                        | NUM   | N                | APA   | POT   | XS CL | RV  |
| 15-15-15                     | 39823 | 15.2             | 14.2  | 15.1  |       | 98  |
| GARDINIER BIG RIVER INC.     |       | TAMPA            |       |       | FL    |     |
| GRADE                        | NUM   | N                | APA   | POT   | XS CL | RV  |
| 34- 0- 0                     | 38946 | 34.1             | 0.0   | 0.0   |       | 100 |
| GARRARD FARM SERVICE         |       | LANCASTER        |       |       | KY    |     |
| GRADE                        | NUM   | N                | APA   | POT   | XS CL | RV  |
| 0-24-25                      | 39507 | 0.0              | 23.6  | 26.8  |       | 100 |
| GENES AG SUPPLY              |       | STURGIS          |       |       | KY    |     |
| GRADE                        | NUM   | N                | APA   | POT   | XS CL | RV  |
| 4-12-18                      | 38028 | 4.3              | 10.5* | 22.0  |       | 103 |
| 4-12-18                      | 38156 | 4.0              | 9.6*  | 24.0  |       | 102 |
| 4-12-18                      | 38192 | 4.5              | 10.4* | 19.9  |       | 99  |
| 5-10-20                      | 39384 | 5.1              | 9.3   | 20.4  |       | 98  |
| 5-15-23                      | 38927 | 5.4              | 15.2  | 22.8  |       | 102 |
| 5-15-23                      | 38930 | 5.1              | 14.5  | 23.8  |       | 100 |
| 6-20-20                      | 38929 | 6.2              | 19.2  | 21.5  |       | 100 |
| 6-20-20                      | 39374 | 6.1              | 18.8* | 20.6  |       | 98  |
| 10-10-10                     | 38029 | 10.4             | 10.5  | 9.8   |       | 103 |
| 18- 9- 9                     | 38190 | 17.4             | 9.5   | 7.0*  |       | 96* |

TABLE 1. (Continued)

| GLASGCW FERTILIZER CO.          |       | GLASGOW      |       | KY    | XS CL | RV  |
|---------------------------------|-------|--------------|-------|-------|-------|-----|
| GRADE                           | NUM   | N            | APA   | POT   |       |     |
| 0-0-61                          | 37938 | 0.0          | 0.0   | 59.7  |       | 98  |
| 0-20-20                         | 39362 | 0.0          | 19.7  | 18.9* |       | 97* |
| 4-16-4                          | 38569 | 4.1          | 17.5  | 4.8   |       | 109 |
| 5-10-15                         | 38393 | 5.0          | 9.7   | 16.7  |       | 102 |
| 5-10-15                         | 38394 | 5.7          | 10.3  | 14.8  |       | 104 |
| 5-10-15                         | 38608 | 5.1          | 9.7   | 16.4  |       | 102 |
| 5-10-15                         | 38746 | 6.4          | 11.8  | 12.4* |       | 108 |
| 5-10-15                         | 39069 | 7.1          | 11.8  | 9.4*  |       | 105 |
| 5-10-15                         | 39226 | 4.9          | 9.9   | 16.4  |       | 102 |
| 5-10-15                         | 39364 | 5.1          | 11.4  | 14.8  |       | 106 |
| 5-10-15                         | 39371 | 4.9          | 9.0*  | 15.9  |       | 97* |
| 5-10-15                         | 39372 | 7.0          | 10.2  | 13.7* |       | 107 |
| 5-10-15                         | 39819 | 5.9          | 11.1  | 11.4* |       | 101 |
| 5-20-20                         | 38250 | 5.9          | 19.1  | 20.7  |       | 101 |
| 5-20-20                         | 39373 | 5.9          | 21.2  | 19.8  |       | 106 |
| 6-12-12                         | 38575 | 5.9          | 11.9  | 12.2  |       | 99  |
| 6-12-12                         | 39365 | 6.2          | 12.5  | 11.8  |       | 102 |
| 7-15-0                          | 37957 | 7.6          | 15.0  | 0.0   |       | 103 |
| 7-15-0                          | 37939 | 7.8          | 14.6  | 0.0   |       | 102 |
| 10-10-10                        | 38568 | 9.4          | 10.0  | 11.6  |       | 101 |
| 10-10-10                        | 38769 | 9.7          | 10.0  | 10.1  |       | 99  |
| 10-10-10                        | 38862 | 9.7          | 10.2  | 10.6  |       | 101 |
| 10-10-10                        | 39070 | 12.0         | 9.5   | 7.6*  |       | 101 |
| 10-10-10                        | 39368 | 10.0         | 10.0  | 9.9   |       | 100 |
| 10-10-10                        | 39370 | 9.4          | 9.9   | 15.0  |       | 107 |
| 10-20-20                        | 37884 | 12.0         | 19.5  | 16.4* |       | 99  |
| 10-20-20                        | 38165 | 10.5         | 22.0  | 21.7  |       | 108 |
| 11-8-8                          | 40289 | 12.4         | 9.1   | 7.3*  |       | 109 |
| 11-15-15                        | 39369 | 15.2         | 17.1  | 14.8  |       | 117 |
| 12-24-23                        | 38745 | 15.5         | 31.2  | 14.0* |       | 112 |
| 12-24-24                        | 37885 | 10.7*        | 22.7* | 26.1  |       | 97* |
| 12-24-24                        | 39225 | 12.0         | 25.4  | 22.4* |       | 101 |
| 15-15-15                        | 38747 | 16.0         | 16.5  | 13.2* |       | 104 |
| 15-15-15                        | 39227 | 16.4         | 15.9  | 14.3  |       | 106 |
| 20-10-10                        | 38002 | 18.7*        | 10.4  | 9.6   |       | 97* |
| 21-53-0                         | 38251 | 20.7         | 53.0  | 0.0   |       | 100 |
| W. R. GRACE & CO.-AGR PROD. DIV |       | CADIZ        |       | KY    | XS CL | RV  |
| GRADE                           | NUM   | N            | APA   | POT   |       |     |
| 4-12-20                         | 40069 | 4.0          | 11.5  | 21.1  |       | 100 |
| 4-12-20                         | 40070 | 4.1          | 11.6  | 20.1  |       | 99  |
| 5-15-15                         | 39587 | 5.2          | 14.5  | 14.3  |       | 99  |
| W. R. GRACE & CO.               |       | CECILIA      |       | KY    | XS CL | RV  |
| GRADE                           | NUM   | N            | APA   | POT   |       |     |
| 18-10-13                        | 39965 | 19.6         | 9.9   | 13.5  |       | 102 |
| W R GRACE & CO-AGR PROD DIV     |       | GUTHRIE      |       | KY    | XS CL | RV  |
| GRADE                           | NUM   | N            | APA   | POT   |       |     |
| 82-0-0                          | 37947 | 81.9         | 0.0   | 0.0   |       | 100 |
| W R GRACE & CO                  |       | LA CENTER    |       | KY    | XS CL | RV  |
| GRADE                           | NUM   | N            | APA   | POT   |       |     |
| 4-12-20                         | 40060 | 4.3          | 11.7  | 21.7  |       | 103 |
| W. R. GRACE & CO.               |       | HOPKINSVILLE |       | KY    | XS CL | RV  |
| GRADE                           | NUM   | N            | APA   | POT   |       |     |
| 0-0-50                          | 39352 | 0.0          | 0.0   | 51.1  |       | 102 |
| 5-15-20                         | 38122 | 4.9          | 14.5  | 20.3  |       | 99  |
| 5-15-20                         | 39390 | 5.4          | 15.2  | 12.0* |       | 88* |
| 5-15-25                         | 38126 | 5.3          | 14.3  | 24.8  |       | 98  |
| 5-15-25                         | 38226 | 6.0          | 26.4  | 16.1* |       | 124 |

TABLE 1. (Continued)

| W. R. GRACE & CO.   |       | HOPKINSVILLE KY |       |       |   |  | XS CL | RV |
|---------------------|-------|-----------------|-------|-------|---|--|-------|----|
| GRADE               | NUM   | N               | APA   | PDT   |   |  |       |    |
| 5-15-25             | 38284 | 4.9             | 15.1  | 24.1  |   |  | 99    |    |
| 5-15-25             | 40061 | 4.8             | 14.6  | 25.4  |   |  | 99    |    |
| 6-18-18             | 38022 | 5.9             | 17.4  | 19.4  |   |  | 100   |    |
| 6-38- 6             | 39343 | 5.9             | 38.0  | 6.2   |   |  | 100   |    |
| 9-10-15             | 39893 | 9.6             | 8.6*  | 17.8  |   |  | 102   |    |
| 9-10-15             | 40065 | 8.8             | 10.2  | 13.2* |   |  | 96*   |    |
| 9-27- 0             | 38227 | 9.4             | 18.3* | 0.0   |   |  | 77*   |    |
| 9-27- 0             | 38282 | 9.2             | 26.3  | 0.0   |   |  | 98    |    |
| 9-27- 0             | 38283 | 9.2             | 26.5  | 0.0   |   |  | 99    |    |
| 14- 9-12            | 39391 | 14.6            | 9.4   | 14.9  |   |  | 108   |    |
| 82- 0- 0            | 37945 | 79.8            | 0.0   | 0.0   |   |  | 97    |    |
| W P GRACE & CO AGRI |       | MEMPHIS TN      |       |       |   |  | XS CL | RV |
| GRADE               | NUM   | N               | APA   | PDT   |   |  |       |    |
| 0- 0-60             | 38870 | 0.0             | 0.0   | 60.3  |   |  | 100   |    |
| 0- 0-60             | 38879 | 0.0             | 0.0   | 61.1  |   |  | 102   |    |
| 0- 0-60             | 40092 | 0.0             | 0.0   | 60.7  |   |  | 101   |    |
| 0-25-25             | 38708 | 0.0             | 27.3  | 21.9* |   |  | 102   |    |
| 0-46- 0             | 38868 | 0.0             | 45.9  | 0.0   |   |  | 100   |    |
| 0-46- 0             | 40320 | 0.0             | 46.0  | 0.0   |   |  | 100   |    |
| 4-16- 4             | 38681 | 4.1             | 14.4* | 3.0*  |   |  | 91*   |    |
| 4-16-28             | 37886 | 4.0             | 15.8  | 25.2* |   |  | 95*   |    |
| 4-16-28             | 40350 | 4.9             | 15.9  | 24.0* |   |  | 97*   |    |
| 4-19-19             | 37959 | 4.5             | 19.3  | 21.2  |   |  | 103   |    |
| 5-10-15             | 38376 | 5.0             | 9.9   | 16.2  |   |  | 102   |    |
| 5-10-15             | 38424 | 4.5             | 11.5  | 14.1* |   |  | 103   |    |
| 5-10-15             | 38429 | 6.0             | 10.8  | 14.8  |   |  | 107   |    |
| 5-10-15             | 38635 | 5.3             | 9.8   | 14.8  |   |  | 100   |    |
| 5-10-15             | 38714 | 5.3             | 11.2  | 15.4  |   |  | 107   |    |
| 5-10-15             | 38877 | 5.3             | 10.4  | 16.0  |   |  | 105   |    |
| 5-10-15             | 38938 | 5.3             | 11.2  | 15.1  |   |  | 107   |    |
| 5-10-15             | 39115 | 5.4             | 10.6  | 15.2  |   |  | 105   |    |
| 5-10-15             | 39293 | 5.1             | 10.3  | 14.8  |   |  | 101   |    |
| 5-10-15             | 39307 | 5.5             | 11.2  | 15.9  |   |  | 110   |    |
| 5-10-15             | 39366 | 5.4             | 9.6   | 14.9  |   |  | 100   |    |
| 5-10-15             | 39553 | 5.2             | 10.7  | 16.6  |   |  | 107   |    |
| 5-10-15             | 39771 | 4.8             | 10.8  | 15.6  |   |  | 104   |    |
| 5-10-15             | 39953 | 4.9             | 12.4  | 17.5  | * |  | 116   |    |
| 5-10-15             | 40057 | 5.1             | 10.6  | 14.8  |   |  | 103   |    |
| 5-10-15             | 40277 | 4.9             | 9.5   | 14.9  |   |  | 97*   |    |
| 5-10-15             | 40383 | 4.9             | 10.9  | 16.5  |   |  | 107   |    |
| 5-10-15             | 38867 | 5.4             | 11.3  | 15.3  |   |  | 108   |    |
| 5-20-20             | 38378 | 5.4             | 18.4* | 22.2  |   |  | 100   |    |
| 5-20-20             | 38675 | 5.4             | 19.5  | 21.0  |   |  | 101   |    |
| 5-20-20             | 38709 | 6.3             | 18.7* | 20.4  |   |  | 100   |    |
| 5-20-20             | 38710 | 5.4             | 20.7  | 20.0  |   |  | 103   |    |
| 5-20-20             | 38712 | 5.0             | 21.8  | 19.1* |   |  | 102   |    |
| 5-20-20             | 38878 | 5.1             | 20.6  | 20.5  |   |  | 103   |    |
| 5-20-20             | 39595 | 5.2             | 19.4  | 19.8  |   |  | 98    |    |
| 5-20-20             | 39635 | 5.4             | 19.1  | 21.1  |   |  | 100   |    |
| 5-20-20             | 39116 | 5.6             | 20.5  | 19.0* |   |  | 102   |    |
| 6-12-12             | 38940 | 6.1             | 11.5  | 11.0* |   |  | 96*   |    |
| 6-24-24             | 38150 | 5.8             | 23.0  | 23.8  |   |  | 97*   |    |
| 6-24-24             | 38933 | 5.5             | 24.3  | 23.4  |   |  | 99    |    |
| 6-24-24             | 39199 | 6.0             | 22.9* | 23.9  |   |  | 97*   |    |
| 6-24-24             | 39294 | 7.9             | 18.5* | 19.4* |   |  | 86*   |    |
| 6-24-24             | 39597 | 5.9             | 22.9* | 21.7* |   |  | 94*   |    |
| 6-38- 6             | 39824 | 5.9             | 36.5* | 6.6   |   |  | 97*   |    |

TABLE 1. (Continued)

| W R GRACE & CC AGRI |       | CHEM GROUP |       | MEMPHIS |  | TN    |     | XS CL | RV |
|---------------------|-------|------------|-------|---------|--|-------|-----|-------|----|
| GRADE               | NUM   | N          | APA   | PCT     |  |       |     |       |    |
| 10-0-0              | 38682 | 10.5       | 0.0   | 0.0     |  |       |     | 105   |    |
| 10-0-0              | 39063 | 11.0       | 0.0   | 0.0     |  |       |     | 110   |    |
| 10-10-10            | 37956 | 10.2       | 9.9   | 10.2    |  |       |     | 101   |    |
| 10-10-10            | 38195 | 10.0       | 9.6   | 10.2    |  |       |     | 99    |    |
| 10-10-10            | 38345 | 10.0       | 10.7  | 10.8    |  |       |     | 104   |    |
| 10-10-10            | 38377 | 10.3       | 10.7  | 10.7    |  |       |     | 105   |    |
| 10-10-10            | 38428 | 11.0       | 10.3  | 11.0    |  |       |     | 107   |    |
| 10-10-10            | 38574 | 9.9        | 10.0  | 9.9     |  |       |     | 99    |    |
| 10-10-10            | 38674 | 9.9        | 10.6  | 11.5    |  |       |     | 105   |    |
| 10-10-10            | 38937 | 11.4       | 10.2  | 11.7    |  |       |     | 110   |    |
| 10-10-10            | 38939 | 10.4       | 10.7  | 10.7    |  |       |     | 106   |    |
| 10-10-10            | 39104 | 11.0       | 12.2  | 10.0    |  |       |     | 113   |    |
| 10-10-10            | 39139 | 10.0       | 9.8   | 10.1    |  |       |     | 99    |    |
| 10-10-10            | 39306 | 10.0       | 10.7  | 11.0    |  |       |     | 105   |    |
| 10-10-10            | 39327 | 9.9        | 10.2  | 10.9    |  |       |     | 102   |    |
| 10-10-10            | 39549 | 10.4       | 10.7  | 10.6    |  |       |     | 106   |    |
| 10-10-10            | 39636 | 10.7       | 10.8  | 9.8     |  |       |     | 106   |    |
| 10-10-10            | 39702 | 9.9        | 10.6  | 11.0    |  |       |     | 104   |    |
| 10-10-10            | 39752 | 10.4       | 10.5  | 10.4    |  |       |     | 104   |    |
| 10-10-10            | 39964 | 9.3*       | 10.6  | 10.4    |  |       |     | 100   |    |
| 10-10-10            | 40114 | 9.0*       | 11.2  | 10.7    |  |       |     | 102   |    |
| 10-10-10            | 40278 | 10.2       | 9.9   | 10.6    |  |       |     | 102   |    |
| 10-10-10            | 38869 | 10.3       | 10.4  | 11.9    |  |       |     | 106   |    |
| 10-52-8             | 40211 | 10.4       | 50.9  | 8.5     |  |       |     | 99    |    |
| 12-12-12            | 38532 | 9.8*       | 12.9  | 13.7    |  |       |     | 98    |    |
| 12-12-12            | 39591 | 11.2*      | 12.2  | 12.3    |  |       |     | 98    |    |
| 12-12-12            | 40219 | 11.7       | 11.8  | 11.9    |  |       |     | 98    |    |
| 12-12-12            | 40368 | 10.8*      | 13.4  | 13.3    |  |       |     | 103   |    |
| 12-12-18            | 40076 | 11.0*      | 12.6  | 20.2    |  |       |     | 102   |    |
| 15-15-15            | 39238 | 14.6       | 13.7* | 16.6    |  |       |     | 97*   |    |
| 15-15-15            | 39240 | 14.8       | 14.6  | 15.3    |  |       |     | 99    |    |
| 15-15-15            | 39443 | 13.9*      | 15.8  | 15.2    |  |       |     | 99    |    |
| 15-15-15            | 39592 | 14.3       | 15.5  | 16.0    |  |       |     | 101   |    |
| 18-46-0             | 37958 | 17.6       | 46.9  | 0.0     |  |       |     | 101   |    |
| 28-0-0              | 37881 | 27.0       | 0.0   | 0.0     |  |       |     | 97    |    |
| 28-0-0              | 38258 | 27.9       | 0.0   | 0.0     |  |       |     | 100   |    |
| 28-0-0              | 38273 | 28.8       | 0.0   | 0.0     |  |       |     | 103   |    |
| 28-0-0              | 38880 | 28.0       | 0.0   | 0.0     |  |       |     | 100   |    |
| 33-0-0              | 38711 | 33.5       | 0.0   | 0.0     |  |       |     | 100   |    |
| 33-0-0              | 38713 | 34.4       | 0.0   | 0.0     |  |       |     | 103   |    |
| 33-0-0              | 40322 | 34.4       | 0.0   | 0.0     |  |       |     | 103   |    |
| W. R. GRACE & CO.   |       | NASHVILLE  |       | TN      |  | XS CL | RV  |       |    |
| GRADE               | NUM   | N          | APA   | PCT     |  |       |     |       |    |
| 0-14-40             | 38117 | 0.0        | 13.5  | 40.9    |  |       | 100 |       |    |
| 0-23-30             | 38073 | 0.0        | 24.2  | 26.5*   |  |       | 98  |       |    |
| 0-23-30             | 39264 | 0.0        | 23.6  | 27.8*   |  |       | 99  |       |    |
| 5-10-15             | 39255 | 5.3        | 9.7   | 14.8    |  |       | 99  |       |    |
| 5-20-20             | 38076 | 5.3        | 19.2  | 19.8    |  |       | 98  |       |    |
| 5-20-20             | 38127 | 5.2        | 19.7  | 19.2    |  |       | 99  |       |    |
| 5-20-20             | 40381 | 5.3        | 20.4  | 19.0*   |  |       | 101 |       |    |
| 6-24-24             | 38362 | 6.0        | 22.7* | 24.5    |  |       | 97* |       |    |
| 6-24-24             | 38561 | 5.7        | 24.2  | 21.7*   |  |       | 97* |       |    |
| 6-24-24             | 38803 | 5.8        | 23.7  | 22.3*   |  |       | 97* |       |    |
| 6-24-24             | 39254 | 5.7        | 22.8* | 23.0    |  |       | 95* |       |    |
| 6-24-24             | 40200 | 6.2        | 21.4* | 22.9*   |  |       | 93* |       |    |
| 6-24-24             | 40258 | 5.7        | 21.6* | 23.8    |  |       | 93* |       |    |
| 10-10-10            | 38804 | 10.0       | 10.0  | 9.8     |  |       | 100 |       |    |

TABLE 1. (Continued)

| W. R. GRACE & CO.            |       | NASHVILLE   |       | TN    | XS | CL | RV  |
|------------------------------|-------|-------------|-------|-------|----|----|-----|
| GRADE                        | NUM   | N           | APA   | POT   |    |    |     |
| 10-10-10                     | 39740 | 9.7         | 10.7  | 9.9   |    |    | 101 |
| 10-10-10                     | 40371 | 9.4         | 10.9  | 9.8   |    |    | 101 |
| W R GRACE & CO AGR PROD DIV  |       | NEW ALBANY  |       | IN    | XS | CL | RV  |
| GRADE                        | NUM   | N           | APA   | POT   |    |    |     |
| 0- 0-60                      | 38321 | 0.0         | 0.0   | 60.1  |    |    | 100 |
| 0-46- 0                      | 38320 | 0.0         | 45.8  | 0.0   |    |    | 100 |
| 3-10-30                      | 39168 | 3.7         | 10.1  | 30.1  |    |    | 103 |
| 5-10-15                      | 38857 | 5.3         | 10.4  | 17.4  |    |    | 108 |
| 5-10-15                      | 39262 | 5.4         | 10.1  | 15.9  |    |    | 104 |
| 5-20-20                      | 38013 | 4.9         | 21.5  | 18.8* |    |    | 102 |
| 5-20-20                      | 38020 | 4.6         | 20.5  | 20.2  |    |    | 101 |
| 5-20-20                      | 38060 | 5.0         | 20.9  | 20.8  |    |    | 103 |
| 5-20-20                      | 39131 | 5.5         | 20.5  | 19.8  |    |    | 103 |
| 5-20-20                      | 39169 | 5.0         | 20.1  | 20.9  |    |    | 102 |
| 6-24-24                      | 38012 | 6.1         | 23.2  | 23.2  |    |    | 97* |
| 6-24-24                      | 39616 | 6.0         | 22.4* | 23.8  |    |    | 96* |
| 6-24-24                      | 39673 | 5.8         | 24.2  | 21.9* |    |    | 97* |
| 10-10-10                     | 38021 | 10.2        | 10.3  | 10.9  |    |    | 104 |
| 10-10-10                     | 39132 | 10.5        | 10.5  | 10.9  |    |    | 105 |
| 12-12-12                     | 38856 | 11.9        | 12.5  | 13.0  |    |    | 103 |
| 12-12-12                     | 39617 | 10.8*       | 12.6  | 12.6  |    |    | 99  |
| 18-46- 0                     | 38319 | 18.3        | 46.4  | 0.0   |    |    | 101 |
| GRAVES CO. SOIL IMP. ASSN.   |       | MAYFIELD    |       | KY    | XS | CL | RV  |
| GRADE                        | NUM   | N           | APA   | POT   |    |    |     |
| 4-22-30                      | 40163 | 4.0         | 20.6* | 33.6  |    |    | 99  |
| 21-14-13                     | 40164 | 20.2        | 14.1  | 16.8  |    |    | 102 |
| GREEN CO. FARM SUPPLY        |       | GREENSBURG  |       | KY    | XS | CL | RV  |
| GRADE                        | NUM   | N           | APA   | POT   |    |    |     |
| 17-12-18                     | 39718 | 15.0*       | 10.8* | 22.4  |    |    | 95* |
| 17-17-17                     | 38043 | 17.4        | 19.5  | 16.8* |    |    | 102 |
| GREEN VALLEY FARM SUPPLY     |       | CALHOUN     |       | KY    | XS | CL | RV  |
| GRADE                        | NUM   | N           | APA   | POT   |    |    |     |
| 0-18-34                      | 38118 | 0.0         | 21.3  | 31.4* |    |    | 103 |
| 0-22-30                      | 38119 | 0.0         | 21.7  | 31.0  |    |    | 101 |
| 0-46- 0                      | 37967 | 0.4         | 44.5  | 0.0   |    |    | 98  |
| 9-23-30                      | 39520 | 9.0         | 24.0  | 29.7  |    |    | 102 |
| 9-23-30                      | 40380 | 9.4         | 23.6  | 29.8  |    |    | 102 |
| GREEN VALLEY FARM SUPPLY     |       | ISLAND      |       | KY    | XS | CL | RV  |
| GRADE                        | NUM   | N           | APA   | POT   |    |    |     |
| 0-23-29                      | 39562 | 0.0         | 21.1* | 34.5  |    |    | 100 |
| 6-26-26                      | 40352 | 6.7         | 24.4* | 27.3  |    |    | 99  |
| GRO-GREEN CHEMICAL CO., INC. |       | SHELBYVILLE |       | KY    | XS | CL | RV  |
| GRADE                        | NUM   | N           | APA   | POT   |    |    |     |
| 0- 0-13                      | 38971 | 0.0         | 0.0   | 12.1* |    |    | 88* |
| 0-15-40                      | 38970 | 0.0         | 12.5* | 36.8* |    |    | 88* |
| 0-20-20                      | 39161 | 0.0         | 26.5  | 15.9* |    |    | 115 |
| 2- 5- 7                      | 39986 | 1.9*        | 4.3*  | 17.5  |    |    | 132 |
| 4-19-19                      | 39620 | 4.5         | 15.3* | 25.0  |    |    | 96* |
| 5-10-15                      | 38471 | 6.1         | 9.2*  | 15.4  |    |    | 102 |
| 5-10-15                      | 38522 | 6.0         | 9.7   | 15.8  |    |    | 105 |
| 5-20-20                      | 38518 | 7.3         | 13.9* | 18.0* |    |    | 86* |
| 6- 3- 3                      | 39162 | 6.9         | 4.3   | 4.0   |    |    | 106 |
| 6- 6- 6                      | 39619 | 4.6*        | 4.9*  | 5.8   |    |    | 93* |
| 6- 6-18                      | 38827 | 9.5         | 6.4   | 17.8  |    |    | 118 |
| 6- 6-18                      | 38837 | 7.3         | 6.1   | 17.7  |    |    | 106 |
| 7- 7- 7                      | 38406 | 6.7         | 8.0   | 8.6   |    |    | 105 |
| 8- 7-21                      | 38849 | 6.7*        | 10.0  | 19.9* |    |    | 103 |

TABLE 1. (Continued)

| GRO-GREEN CHEMICAL CO., INC. |       | SHELBYVILLE KY  |       |       | XS CL | RV  |
|------------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                        | NUM   | N               | APA   | POT   |       |     |
| 8-10-15                      | 38521 | 8.3             | 9.5   | 15.5  |       | 100 |
| 8-10-15                      | 39163 | 10.5            | 8.9*  | 18.6  | *     | 113 |
| 8-12-13                      | 39989 | 9.7             | 13.3  | 14.9  |       | 109 |
| 8-12-15                      | 38520 | 16.0            | 9.0*  | 10.2* |       | 109 |
| 8-12-15                      | 38791 | 7.9             | 12.8  | 15.0  |       | 102 |
| 8-12-15                      | 39420 | 7.8             | 12.6  | 14.8  |       | 101 |
| 8-12-15                      | 39924 | 8.3             | 12.3  | 16.9  |       | 105 |
| 8-16-23                      | 38972 | 8.9             | 16.0  | 21.9* |       | 98  |
| 8-24-10                      | 39610 | 8.4             | 23.3  | 12.2  |       | 102 |
| 8-24-10                      | 39611 | 7.9             | 18.8* | 13.6  |       | 91* |
| 9- 4-18                      | 39490 | 6.9*            | 6.1   | 21.0  |       | 101 |
| 10- 9-13                     | 39987 | 9.1*            | 9.8   | 15.8  |       | 102 |
| 10-10-10                     | 38472 | 10.3            | 13.6  | 11.7  |       | 119 |
| 10-10-10                     | 38519 | 8.7*            | 10.5  | 10.4  |       | 97* |
| 10-10-10                     | 38586 | 11.0            | 9.6   | 10.0  |       | 102 |
| 10-10-10                     | 38790 | 9.3             | 12.2  | 10.0  |       | 106 |
| 10-10-10                     | 38826 | 7.9*            | 6.4*  | 11.8  |       | 81* |
| 10-10-10                     | 38407 | 9.6             | 8.4*  | 9.8   |       | 91* |
| 11-13-17                     | 39988 | 15.2            | 13.1  | 21.6  |       | 115 |
| 12-12-12                     | 38852 | 12.8            | 11.8  | 13.0  |       | 103 |
| 13- 8- 8                     | 39160 | 15.9            | 13.0  | 8.2   |       | 125 |
| 18-15-15                     | 39618 | 18.0            | 17.0  | 14.9  |       | 103 |
| GRO-GREEN SALES CO.          |       | LEBANON KY      |       |       | XS CL | RV  |
| GRADE                        | NUM   | N               | APA   | POT   |       |     |
| 0- 0-60                      | 37898 | 0.0             | 0.0   | 60.8  |       | 101 |
| 0-46- 0                      | 37897 | 0.0             | 43.6* | 0.0   |       | 95* |
| 6-25-25                      | 35417 | 5.3*            | 27.7  | 21.5* |       | 98  |
| 8- 8-13                      | 39925 | 11.0            | 5.8*  | 11.4* |       | 94* |
| 13-14-22                     | 39926 | 14.2            | 11.0* | 21.8  |       | 91* |
| 18-46- 0                     | 37896 | 17.6            | 46.8  | 0.0   |       | 101 |
| 20-16-11                     | 39419 | 20.5            | 17.7  | 11.1  |       | 101 |
| 25- 0-12                     | 39927 | 23.7*           | 0.0   | 14.0  |       | 97* |
| 26- 8-14                     | 39418 | 23.4*           | 11.5  | 15.5  |       | 101 |
| 33- 0- 0                     | 37895 | 33.9            | 0.0   | 0.0   |       | 101 |
| 45- 0- 0                     | 37899 | 45.1            | 0.0   | 0.0   |       | 100 |
| GRO-GREEN PAYNES, INC.       |       | LEXINGTON KY    |       |       | XS CL | RV  |
| GRADE                        | NUM   | N               | APA   | POT   |       |     |
| 5-10-15                      | 40187 | 8.2             | 13.8  | 8.2*  | *     | 116 |
| 7-10-30                      | 39979 | 8.0             | 8.4*  | 35.7  |       | 105 |
| 8- 5-20                      | 40186 | 5.3*            | 3.1*  | 20.8  |       | 78* |
| 12-10-12                     | 39994 | 9.1*            | 9.4   | 17.8  |       | 96* |
| 15- 0-23                     | 39978 | 12.1*           | 0.0   | 32.9  | *     | 102 |
| 20- 0-24                     | 39977 | 17.8*           | 0.0   | 36.1  |       | 111 |
| HANCOCK COUNTY FARM SUPPLY   |       | HAWESVILLE KY   |       |       | XS CL | RV  |
| GRADE                        | NUM   | N               | APA   | POT   |       |     |
| 5-13-41                      | 39898 | 5.3             | 13.6  | 43.1  |       | 100 |
| 10-26-26                     | 39899 | 10.3            | 26.5  | 26.0  |       | 101 |
| HAWKEYE SUPPLY CO.           |       | JEFFERSONVILLIN |       |       | XS CL | RV  |
| GRADE                        | NUM   | N               | APA   | POT   |       |     |
| 6-18- 6                      | 40325 | 6.4             | 17.9  | 6.0   |       | 101 |
| 10- 0- 0                     | 38658 | 6.2*            | 0.0   | 0.0   |       | 62* |
| HOBBS FEED & SUPPLY CO.      |       | FANCY FARM KY   |       |       | XS CL | RV  |
| GRADE                        | NUM   | N               | APA   | POT   |       |     |
| 20-10- 8                     | 39788 | 19.9            | 10.2  | 8.5   |       | 99  |
| CLIFTON HOLLINGSWORTH        |       | MT. HERMON KY   |       |       | XS CL | RV  |
| GRADE                        | NUM   | N               | APA   | POT   |       |     |
| 13-22-22                     | 39821 | 14.0            | 22.7  | 20.0* |       | 98  |

TABLE 1. (Continued)

| HOWE-HILLIARD GRAIN CO.       |       | MAYFIELD     |       | KY    |       |     |
|-------------------------------|-------|--------------|-------|-------|-------|-----|
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 17-15-20                      | 40162 | 14.1*        | 15.5  | 26.0  |       | 101 |
| 10-12-16                      | 39792 | 19.9         | 9.3*  | 20.1  |       | 97* |
| HUSTONVILLE FARM SERVICE      |       | HUSTONVILLE  |       | KY    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-21-30                       | 39416 | 0.0          | 23.6  | 29.0  |       | 106 |
| 11- 8-16                      | 39879 | 9.8*         | 6.3*  | 18.6  |       | 89* |
| 14-14-21                      | 39877 | 14.5         | 14.3  | 22.4  |       | 101 |
| 15-13-20                      | 39878 | 16.2         | 16.6  | 18.9* |       | 107 |
| 19-11-16                      | 39876 | 18.5         | 11.4  | 18.0  |       | 101 |
| HUTSON CHEMICAL COMPANY       |       | MURRAY       |       | KY    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-23-30                       | 40166 | 0.0          | 20.7* | 32.7  |       | 97* |
| 5-10-15                       | 40044 | 5.0          | 9.5   | 16.6  |       | 101 |
| 5-20-20                       | 39296 | 4.8          | 19.3  | 21.9  |       | 100 |
| 5-20-20                       | 40309 | 6.9          | 23.7  | 19.2  |       | 115 |
| 6-12-12                       | 39297 | 6.3          | 11.7  | 13.3  |       | 102 |
| 6-24-24                       | 39295 | 6.4          | 25.0  | 23.8  |       | 103 |
| 6-24-24                       | 39791 | 4.9*         | 19.5* | 27.7  |       | 91* |
| 6-24-24                       | 40085 | 4.0*         | 15.3* | 30.3  |       | 82* |
| 15-15-15                      | 40075 | 14.9         | 14.9  | 15.9  |       | 100 |
| 18-46- 0                      | 40391 | 18.1         | 46.5  | 0.0   |       | 101 |
| 19-13-17                      | 40165 | 19.6         | 12.7  | 18.4  |       | 100 |
| 19-19-19                      | 40393 | 19.8         | 19.8  | 19.1  |       | 102 |
| 26-13-13                      | 40167 | 26.0         | 14.2  | 14.9  |       | 102 |
| THE HYPONEX COMPANY, INC.     |       | COPLEY       |       | OH    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 7- 6-19                       | 37894 | 8.1          | 7.2   | 20.1  |       | 113 |
| 7- 6-19                       | 37920 | 8.4          | 7.6   | 20.5  |       | 117 |
| INDIANA FARM BUREAU COOP.     |       | INDIANAPOLIS |       | IN    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 5-10-15                       | 38991 | 4.9          | 11.3  | 15.9  | *     | 107 |
| INTERNATIONAL MIN & CHEM CORP |       | FLORENCE     |       | AL    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0- 0-50                       | 38648 | 0.0          | 0.0   | 50.6  |       | 101 |
| 0- 0-60                       | 37940 | 0.0          | 0.0   | 59.9  |       | 100 |
| 5-10-15                       | 39203 | 5.3          | 10.3  | 15.6  |       | 104 |
| 5-10-15                       | 39682 | 6.1          | 10.1  | 15.6  |       | 107 |
| 5-10-20                       | 38055 | 5.4          | 10.1  | 21.0  |       | 104 |
| 8-24-24                       | 39681 | 8.4          | 25.6  | 23.6  |       | 104 |
| 10-10-10                      | 38313 | 10.5         | 10.0  | 10.1  |       | 102 |
| INTERNATIONAL SPIKE INC       |       | LEXINGTON    |       | KY    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 16- 8- 8                      | 38291 | 17.4         | 11.4  | 8.8   |       | 118 |
| 16- 8- 8                      | 38139 | 16.8         | 9.6   | 13.0  |       | 117 |
| KAISER AGRICULTURAL CHEMICALS |       | SAVANNAH     |       | GA    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 6- 8-16                       | 40192 | 6.0          | 7.9   | 18.4  |       | 105 |
| KENTUCKY FERTILIZER WORKS     |       | WINCHESTER   |       | KY    |       |     |
| GRADE                         | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0- 0-60                       | 39321 | 0.0          | 0.0   | 59.9  |       | 100 |
| 0-20-20                       | 39272 | 0.0          | 19.5  | 16.1* |       | 92* |
| 0-46- 0                       | 39322 | 0.0          | 45.1  | 0.0   |       | 98  |
| 4-16- 4                       | 38952 | 4.6          | 14.1* | 5.8   |       | 98  |
| 4-16- 4                       | 39013 | 4.9          | 14.3* | 5.0   |       | 98  |
| 5-10-15                       | 38451 | 4.9          | 9.6   | 15.6  |       | 99  |
| 5-10-15                       | 38633 | 4.5*         | 8.1*  | 16.4  |       | 92* |
| 5-10-15                       | 39180 | 5.6          | 11.1  | 14.8  |       | 107 |

TABLE 1. (Continued)

| KENTUCKY FERTILIZER WORKS |       | WINCHESTER       |       | KY    |  | XS CL | RV  |
|---------------------------|-------|------------------|-------|-------|--|-------|-----|
| GRADE                     | NUM   | N                | APA   | POT   |  |       |     |
| 5-10-15                   | 39182 | 5.1              | 10.5  | 14.8  |  |       | 102 |
| 5-10-15                   | 39273 | 5.0              | 9.5   | 16.8  |  |       | 102 |
| 5-10-15                   | 39886 | 5.0              | 9.4   | 16.3  |  |       | 100 |
| 5-10-15                   | 40360 | 5.1              | 10.6  | 14.9  |  |       | 103 |
| 5-20-20                   | 40177 | 5.4              | 18.6* | 20.4  |  |       | 97* |
| 6- 6-18                   | 39319 | 6.8              | 7.7   | 13.7* |  |       | 101 |
| 6- 6-18                   | 39324 | 6.0              | 7.3   | 17.8  |  |       | 105 |
| 6- 6-18                   | 39685 | 5.6              | 5.5   | 19.2  |  |       | 99  |
| 6- 6-18                   | 38664 | 11.3             | 12.5  | 6.7*  |  |       | 108 |
| 10-10-10                  | 39686 | 7.4*             | 9.1*  | 11.1  |  |       | 88* |
| 10-10-10                  | 39969 | 8.5*             | 9.0*  | 23.9  |  |       | 98  |
| 10-10-20                  | 39969 | 8.5*             | 9.0*  | 23.9  |  |       | 98  |
| 11- 4-14                  | 40004 | 10.7*            | 5.6   | 16.1  |  |       | 103 |
| 12-12-12                  | 39181 | 12.0             | 12.9  | 12.9  |  |       | 104 |
| 12-12-12                  | 39243 | 11.8             | 12.1  | 12.6  |  |       | 101 |
| 12-12-12                  | 39323 | 12.0             | 11.2* | 12.3  |  |       | 98  |
| 33- 0- 0                  | 39320 | 34.7             | 0.0   | 0.0   |  |       | 103 |
| 33- 0- 0                  | 39885 | 34.7             | 0.0   | 0.0   |  |       | 104 |
| KERR-MCGEE FARM CENTER    |       | CADIZ            |       | KY    |  | XS CL | RV  |
| GRADE                     | NUM   | N                | APA   | POT   |  |       |     |
| 13-33-17                  | 40071 | 12.4             | 31.7* | 20.1  |  |       | 99  |
| 17-17-17                  | 40072 | 15.7*            | 10.0* | 25.7  |  |       | 91* |
| 21-13-13                  | 40073 | 20.4*            | 11.3* | 18.6  |  |       | 98  |
| KERR-MCGEE CHEMICAL CORP. |       | CROFTON          |       | KY    |  | XS CL | RV  |
| GRADE                     | NUM   | N                | APA   | POT   |  |       |     |
| 10-26-26                  | 39675 | 10.5             | 26.3  | 25.6  |  |       | 100 |
| 22- 8-12                  | 40036 | 21.6             | 8.5   | 13.7  |  |       | 100 |
| KERR-MCGEE FARM CENTER    |       | FREDONIA         |       | KY    |  | XS CL | RV  |
| GRADE                     | NUM   | N                | APA   | POT   |  |       |     |
| 6-17-37                   | 39736 | 7.4              | 19.2  | 36.2* |  |       | 102 |
| 8-26-26                   | 39735 | 9.7              | 28.7  | 23.4* |  |       | 106 |
| 14-10-10                  | 38161 | 16.6             | 12.0  | 13.8  |  |       | 118 |
| 17-17-17                  | 39527 | 18.0             | 18.3  | 17.4  |  |       | 103 |
| 22-11-13                  | 39572 | 23.3             | 14.0  | 13.0  |  |       | 107 |
| KERR-MCGEE CHEMICAL CORP. |       | OKLAHOMA CITY OK |       | KY    |  | XS CL | RV  |
| GRADE                     | NUM   | N                | APA   | POT   |  |       |     |
| 18-46- 0                  | 38004 | 18.1             | 46.7  | 0.0   |  |       | 101 |
| 18-46- 0                  | 38206 | 18.6             | 46.9  | 0.0   |  |       | 102 |
| 18-46- 0                  | 38317 | 17.3             | 43.7* | 0.0   |  |       | 95* |
| 18-46- 0                  | 38444 | 18.4             | 46.5  | 0.0   |  |       | 101 |
| 18-46- 0                  | 38445 | 18.4             | 46.4  | 0.0   |  |       | 101 |
| KERR-MCGEE FARM CENTER    |       | PEMBROKE         |       | KY    |  | XS CL | RV  |
| GRADE                     | NUM   | N                | APA   | POT   |  |       |     |
| 0-28-23                   | 39389 | 0.0              | 28.2  | 24.0  |  |       | 100 |
| 7-30-20                   | 38812 | 7.8              | 29.7  | 21.3  |  |       | 99  |
| 10-10-10                  | 38811 | 12.7             | 8.5*  | 11.0  |  |       | 106 |
| 10-25-25                  | 38809 | 10.9             | 26.9  | 25.9  |  |       | 105 |
| 10-26-23                  | 40204 | 10.2             | 24.9* | 25.2  |  |       | 98  |
| 10-27-23                  | 39388 | 10.5             | 25.8* | 26.2  |  |       | 97* |
| 10-27-24                  | 38810 | 10.9             | 26.8  | 24.3  |  |       | 98  |
| 11-24-24                  | 38121 | 12.6             | 20.4* | 26.3  |  |       | 95* |
| 14-25- 0                  | 37966 | 16.2             | 24.2* | 0.0   |  |       | 100 |
| S. S. KRESGE CO.          |       | TRCY             |       | MI    |  | XS CL | RV  |
| GRADE                     | NUM   | N                | APA   | POT   |  |       |     |
| 10-10-10                  | 38860 | 10.4             | 9.6   | 11.0  |  |       | 102 |
| 10-10-10                  | 39970 | 11.7             | 11.5  | 8.5*  |  |       | 110 |
| 20-10- 5                  | 38861 | 20.2             | 10.2  | 5.8   |  |       | 102 |
| 23- 7- 7                  | 39971 | 24.1             | 7.2   | 7.5   |  |       | 104 |



TABLE 1. (Continued)

| LINCOLN FARM SERVICE           |       | STANFORD     |       | KY    |       |     |
|--------------------------------|-------|--------------|-------|-------|-------|-----|
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-17-35                        | 38595 | 0.0          | 20.5  | 33.6* |       | 107 |
| 0-22-30                        | 39415 | 0.0          | 25.2  | 25.5* |       | 103 |
| 6-24-24                        | 39413 | 5.3*         | 26.5  | 20.2* |       | 99  |
| 9-18-27                        | 39412 | 6.9*         | 13.8* | 32.9  |       | 91* |
| 14-12-18                       | 40129 | 15.3         | 13.7  | 18.4  |       | 105 |
| 15-13-19                       | 40130 | 15.0         | 13.8  | 21.3  |       | 101 |
| 15-13-20                       | 40131 | 15.7         | 15.0  | 20.2  |       | 104 |
| 17-17-17                       | 39414 | 17.8         | 18.6  | 17.8  |       | 101 |
| MCCAULEY BROS SEED CO          |       | VERSAILLES   |       | KY    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0- 0-22                        | 38838 | 0.0          | 0.0   | 22.5  |       | 102 |
| 0- 0-50                        | 38945 | 0.0          | 0.0   | 52.2  |       | 104 |
| 0- 0-60                        | 38839 | 0.0          | 0.0   | 60.6  |       | 101 |
| 0-46- 0                        | 38842 | 0.0          | 44.2* | 0.0   |       | 96* |
| 5- 5-15                        | 39607 | 4.7          | 4.7   | 16.4  |       | 101 |
| 7- 5- 7                        | 39995 | 5.7*         | 3.9*  | 8.9   |       | 82* |
| 8- 8-13                        | 39996 | 7.6*         | 7.3*  | 13.6  |       | 90* |
| 14- 0-16                       | 38840 | 13.4*        | 0.0   | 16.7  |       | 93* |
| 17- 0-30                       | 39606 | 11.0*        | 0.0   | 39.4  |       | 96* |
| 18-46- 0                       | 38841 | 18.3         | 46.9  | 0.0   |       | 102 |
| 19- 0-25                       | 38846 | 17.6*        | 0.0   | 28.1  |       | 99  |
| 21- 0- 0                       | 38844 | 21.6         | 0.0   | 0.0   |       | 103 |
| 21- 0-18                       | 39997 | 15.7*        | 0.0   | 23.8  |       | 89* |
| 34- 0- 0                       | 38843 | 34.0         | 0.0   | 0.0   |       | 100 |
| MAPCO INC.                     |       | ATHENS       |       | IL    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 32- 0- 0                       | 40189 | 32.7         | 0.0   | 0.0   |       | 102 |
| MARSHALL CTY SOIL IMP. ASSOC.  |       | BENTON       |       | KY    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 6-25-26                        | 40160 | 5.8          | 24.1* | 28.3  |       | 99  |
| 9-23-25                        | 40161 | 8.9          | 22.2  | 26.2  |       | 99  |
| 12-10-31                       | 39786 | 12.4         | 10.2  | 32.0  |       | 100 |
| 34- 0- 0                       | 40221 | 34.5         | 0.0   | 0.0   |       | 101 |
| MARTREX, INC.                  |       | CHANHASSEN   |       | MN    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 34- 0- 0                       | 38091 | 34.0         | 0.0   | 0.0   |       | 98  |
| MAYFIELD MILLING CO            |       | MAYFIELD     |       | KY    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 18- 7- 7                       | 39787 | 18.7         | 7.2   | 8.0   |       | 99  |
| MEADE FARMERS SUPPLY           |       | BRANDENBURG  |       | KY    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 6-26-26                        | 39639 | 7.0          | 26.3  | 24.9  |       | 100 |
| 11-17-17                       | 39638 | 10.4*        | 17.6  | 17.5  |       | 98  |
| METCALFE CO. FARMERS SUPPLY    |       | EDMONTON     |       | KY    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 10-10-10                       | 39637 | 7.5*         | 7.7*  | 12.9  |       | 86* |
| 18-46- 0                       | 39629 | 18.2         | 45.2  | 0.0   |       | 99  |
| MID-OHIO CHEMICAL COMPANY, INC |       | MT. STERLING |       | OH    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 5-10-10                        | 39405 | 4.6          | 9.3*  | 9.9   |       | 94* |
| 5-10-15                        | 39403 | 5.0          | 9.8   | 14.8  |       | 99  |
| 10-20-20                       | 40326 | 9.8          | 19.5  | 20.9  |       | 99  |
| 12-12-12                       | 39404 | 11.3         | 12.0  | 11.9  |       | 97* |
| MILES FARM SUPPLY              |       | OWENSBORO    |       | KY    |       |     |
| GRADE                          | NUM   | N            | APA   | POT   | XS CL | RV  |
| 0-18-18                        | 38079 | 0.0          | 19.9  | 21.9  |       | 114 |
| 0-22-29                        | 38077 | 0.0          | 19.0* | 35.7  |       | 99  |

TABLE 1. (Continued)

| MILES FARM SUPPLY             |       | OWENSBORO   |       | KEY   | XS CL | RV  |
|-------------------------------|-------|-------------|-------|-------|-------|-----|
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 0-22-30                       | 39669 | 0.0         | 22.9  | 29.9  |       | 102 |
| 5-10-15                       | 38363 | 5.2         | 9.9   | 15.3  |       | 101 |
| 6-15-40                       | 39257 | 5.7         | 14.7  | 41.8  |       | 101 |
| 6-25-25                       | 39668 | 6.7         | 28.3  | 23.0* |       | 104 |
| 6-25-25                       | 39670 | 6.6         | 28.9  | 26.0  |       | 109 |
| 6-25-26                       | 40248 | 5.3*        | 24.8  | 28.3  |       | 101 |
| 8-22-31                       | 39258 | 8.6         | 22.1  | 31.9  |       | 101 |
| 8-22-31                       | 39671 | 8.7         | 22.2  | 31.8  |       | 101 |
| 9-23-30                       | 40247 | 8.7         | 21.5* | 32.9  |       | 99  |
| 14-14-14                      | 38078 | 14.8        | 14.1  | 17.6  |       | 103 |
| MINN MINING & MFG CO          |       | ST PAUL     |       | MINN  | XS CL | RV  |
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 6-18-6                        | 37891 | 6.6         | 19.1  | 6.3   |       | 107 |
| 8-11-5                        | 37880 | 8.3         | 11.3  | 5.1   |       | 103 |
| 12-6-6                        | 37948 | 12.7        | 6.5   | 6.1   |       | 106 |
| MISSISSIPPI CHEMICAL CORP     |       | YAZOO CITY  |       | MS    | XS CL | RV  |
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 8-24-24                       | 38389 | 7.6         | 23.5  | 25.0  |       | 99  |
| 8-24-24                       | 38219 | 8.2         | 23.4  | 24.4  |       | 99  |
| 34-0-0                        | 38018 | 34.3        | 0.0   | 0.0   |       | 101 |
| MONSANTO AGRI CENTER          |       | SLAUGHTERS  |       | KEY   | XS CL | RV  |
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 0-23-30                       | 39510 | 0.0         | 24.2  | 29.8  |       | 103 |
| 0-23-30                       | 39511 | 0.0         | 24.0  | 29.8  |       | 102 |
| 4-38-9                        | 39514 | 4.7         | 36.7* | 11.9  |       | 98  |
| 6-26-26                       | 39512 | 6.3         | 25.0  | 26.4  |       | 99  |
| 6-26-26                       | 40201 | 6.1         | 21.4* | 26.4  |       | 91* |
| 14-36-9                       | 39513 | 14.0        | 36.3  | 9.9   |       | 101 |
| 21-11-15                      | 40199 | 21.2        | 13.4  | 16.5  |       | 106 |
| MOORE-HUTCHESON CO.           |       | MORGANTOWN  |       | KEY   | XS CL | RV  |
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 10-26-25                      | 38904 | 9.8         | 25.4  | 27.8  |       | 99  |
| MORRISON FARM SVC             |       | HODGENVILLE |       | KEY   | XS CL | RV  |
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 0-28-21                       | 40049 | 0.0         | 28.1  | 21.9  |       | 100 |
| 17-17-17                      | 40047 | 18.2        | 18.4  | 16.9  |       | 101 |
| 17-17-17                      | 40048 | 16.9*       | 18.6  | 19.2  |       | 101 |
| 21-14-14                      | 40046 | 20.0*       | 14.4  | 16.9  |       | 101 |
| 22-14-10                      | 40050 | 22.7        | 15.2  | 11.5  |       | 101 |
| NA-CHURS PLANT FOOD COMPANY   |       | MARION      |       | OH    | XS CL | RV  |
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 2-14-14                       | 37918 | 2.9         | 14.4  | 14.0  |       | 106 |
| 3-18-18                       | 37917 | 3.5         | 18.1  | 17.7  |       | 101 |
| 10-10-10                      | 39798 | 10.2        | 10.5  | 10.0  |       | 103 |
| NORTH AMERICAN FERTILIZER CO. |       | LOUISVILLE  |       | KEY   | XS CL | RV  |
| GRADE                         | NUM   | N           | APA   | POT   |       |     |
| 3-13-39                       | 38474 | 3.4         | 13.6  | 37.7  |       | 101 |
| 3-13-39                       | 40217 | 3.3         | 12.5  | 39.3  |       | 100 |
| 4-16-4                        | 38945 | 4.4         | 16.6  | 5.6   |       | 108 |
| 5-10-15                       | 38434 | 4.5         | 10.8  | 15.6  |       | 103 |
| 5-10-15                       | 38475 | 6.9         | 8.1*  | 14.2  |       | 98  |
| 5-10-15                       | 38477 | 5.8         | 8.6*  | 16.4  |       | 100 |
| 10-10-10                      | 38476 | 10.2        | 9.7   | 8.2*  |       | 96* |
| 15-15-15                      | 38473 | 15.8        | 19.3  | 13.8* |       | 112 |
| 19-19-19                      | 39947 | 17.8*       | 18.9  | 20.6  |       | 99  |

TABLE 1. (Continued)

| OCCIDENTAL CHEMICAL CO.      |       | FT. WAYNE   |      | IN    |       |     |  |
|------------------------------|-------|-------------|------|-------|-------|-----|--|
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 0-44-0                       | 40317 | 0.0         | 46.5 | 0.0   |       | 106 |  |
| OCCIDENTAL CHEMICAL CO.      |       | SIOUX FALLS |      | SD    |       |     |  |
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 0-45-0                       | 38111 | 0.0         | 46.0 | 0.0   |       | 102 |  |
| OHIO VALLEY FERTILIZER, INC. |       | MAYSVILLE   |      | KY    |       |     |  |
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 5-10-10                      | 40260 | 4.7         | 16.5 | 12.2  |       | 136 |  |
| 5-10-15                      | 38419 | 9.6         | 9.9  | 10.0* | *     | 109 |  |
| 5-10-15                      | 38539 | 6.0         | 11.3 | 14.8  |       | 109 |  |
| 5-10-15                      | 38919 | 5.4         | 9.7  | 14.9  |       | 100 |  |
| 5-10-15                      | 39395 | 5.5         | 9.1* | 15.2  |       | 98  |  |
| 5-10-15                      | 39531 | 5.8         | 9.4  | 15.1  |       | 101 |  |
| 5-10-15                      | 39532 | 5.4         | 9.4  | 15.9  |       | 101 |  |
| 5-10-15                      | 39537 | 5.7         | 8.8* | 15.4  |       | 98  |  |
| 5-10-15                      | 39539 | 5.3         | 10.1 | 14.9  |       | 101 |  |
| 5-10-15                      | 40261 | 5.2         | 9.7  | 15.2  |       | 100 |  |
| 5-10-15                      | 40294 | 6.2         | 9.3* | 11.4* |       | 94* |  |
| 5-20-20                      | 39535 | 6.8         | 27.6 | 17.7* |       | 123 |  |
| 6-12-18                      | 38916 | 6.6         | 17.4 | 16.9* |       | 120 |  |
| 10-10-10                     | 38540 | 9.7         | 10.3 | 10.3  |       | 100 |  |
| 10-10-10                     | 38918 | 9.9         | 10.6 | 10.3  |       | 102 |  |
| 10-10-10                     | 39536 | 9.6         | 10.3 | 10.2  |       | 100 |  |
| 10-10-10                     | 39538 | 9.4         | 10.1 | 9.9   | *     | 98  |  |
| 10-10-10                     | 40293 | 10.3        | 13.4 | 9.1*  |       | 113 |  |
| 10-10-20                     | 38917 | 9.4         | 10.1 | 20.8  |       | 99  |  |
| 10-10-20                     | 39530 | 15.0        | 16.3 | 18.5* |       | 135 |  |
| 17-9-9                       | 40295 | 21.1        | 11.1 | 8.8   |       | 118 |  |
| 17-9-9                       | 40296 | 19.3        | 12.0 | 10.6  |       | 118 |  |
| 18-46-0                      | 39534 | 18.2        | 46.3 | 0.0   |       | 101 |  |
| CLIN CORP.                   |       | STAMFORD    |      | CT    |       |     |  |
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 0-40-C                       | 39834 | 0.0         | 40.2 | 0.0   |       | 100 |  |
| CLIN CORP AGRI DIV           |       | LITTLE ROCK |      | AR    |       |     |  |
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 6-24-24                      | 38364 | 6.3         | 23.8 | 25.5  |       | 102 |  |
| 6-24-24                      | 38762 | 6.8         | 24.4 | 24.1  |       | 103 |  |
| 6-24-24                      | 39567 | 7.1         | 24.9 | 23.9  |       | 104 |  |
| 6-24-24                      | 39672 | 7.0         | 24.2 | 23.8  |       | 103 |  |
| 13-13-13                     | 38056 | 13.2        | 13.2 | 13.3  |       | 102 |  |
| 13-13-13                     | 39566 | 13.3        | 14.0 | 13.5  |       | 105 |  |
| 13-13-13                     | 38116 | 13.2        | 13.5 | 13.9  |       | 103 |  |
| PHELPS FARM SERVICE          |       | PADUCAH     |      | KY    |       |     |  |
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 14-7-11                      | 39785 | 14.2        | 7.9  | 12.4  |       | 104 |  |
| 16-10-21                     | 40159 | 12.0*       | 10.3 | 26.2  | *     | 95* |  |
| PIPES FEED & FERTILIZER INC  |       | WINCHESTER  |      | KY    |       |     |  |
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 8-6-18                       | 40002 | 8.7         | 7.4  | 16.5* |       | 106 |  |
| 10-4-12                      | 40005 | 10.8        | 3.7* | 9.2*  |       | 87* |  |
| 10-6-10                      | 40006 | 10.0        | 6.3  | 8.8*  |       | 95* |  |
| 10-8-12                      | 39923 | 10.1        | 6.9* | 12.9  |       | 95* |  |
| POORES FERT & CHEMICALS INC  |       | ALBANY      |      | KY    |       |     |  |
| GRADE                        | NUM   | N           | APA  | POT   | XS CL | RV  |  |
| 5-10-15                      | 38527 | 4.9         | 9.6  | 16.4  |       | 100 |  |
| 6-12-12                      | 40029 | 5.9         | 11.9 | 11.2* |       | 97* |  |
| 10-10-10                     | 37907 | 9.7         | 9.3  | 10.6  |       | 97* |  |
| 10-10-10                     | 38355 | 9.2*        | 9.5  | 12.1  |       | 99  |  |

TABLE 1. (Continued)

| PCORES FERT & CHEMICALS INC   |       | ALBANY        |       | KY    |       |     |  |
|-------------------------------|-------|---------------|-------|-------|-------|-----|--|
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 10-10-10                      | 38528 | 10.3          | 9.3   | 9.8   |       | 98  |  |
| 10-10-10                      | 38576 | 10.4          | 10.3  | 9.9   |       | 103 |  |
| 10-10-10                      | 39251 | 9.5           | 10.1  | 11.0  |       | 100 |  |
| 10-10-10                      | 39922 | 9.4           | 9.2*  | 11.5  |       | 98  |  |
| 10-10-15                      | 38314 | 9.3           | 9.2*  | 18.0  |       | 100 |  |
| 10-10-15                      | 38356 | 10.0          | 9.7   | 16.6  | *     | 102 |  |
| 10-10-15                      | 38529 | 10.3          | 10.2  | 15.9  |       | 103 |  |
| 10-10-15                      | 38645 | 9.4           | 9.2*  | 17.4  |       | 99  |  |
| 10-10-15                      | 38650 | 10.4          | 10.2  | 13.9* |       | 100 |  |
| 10-10-15                      | 40361 | 10.2          | 10.9  | 15.7  | *     | 105 |  |
| 15-15-15                      | 39773 | 13.8*         | 14.4  | 17.7  |       | 99  |  |
| 20-10-10                      | 40028 | 19.1          | 11.8  | 14.8  |       | 109 |  |
| 28- 0- 0                      | 40027 | 27.9          | 0.0   | 0.0   |       | 100 |  |
| PRINCETON GRAIN & SUPPLY CO.  |       | PRINCETON     |       | KY    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 12- 6- 6                      | 39568 | 12.6          | 5.6   | 5.9   |       | 101 |  |
| 12- 8-16                      | 39526 | 11.9          | 7.5   | 15.8  |       | 97* |  |
| 17- 8- 8                      | 39812 | 19.4          | 9.2   | 4.4*  |       | 98  |  |
| RA-PID-GROW CORPORATION       |       | DANVILLE      |       | NY    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 23-19-17                      | 37909 | 23.2          | 21.3  | 17.3  |       | 105 |  |
| 23-19-17                      | 37906 | 22.7          | 21.2  | 16.9  |       | 104 |  |
| 23-19-17                      | 37924 | 23.6          | 21.3  | 17.4  |       | 106 |  |
| RHODES FEED MILL              |       | MAYFIELD      |       | KY    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 10-25-26                      | 39793 | 10.3          | 26.9  | 23.8* |       | 100 |  |
| RICH POND CROP SERVICE        |       | BOWLING GREEN |       | KY    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 3-12-13                       | 38138 | 5.3           | 17.5  | 14.3  |       | 133 |  |
| 23- 9-12                      | 38748 | 23.2          | 13.4  | 11.6* |       | 108 |  |
| WILLIAM RUDY & SON            |       | BANDANA       |       | KY    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 27-13-13                      | 39462 | 27.3          | 11.9* | 12.1* |       | 96* |  |
| 28- 0- 0                      | 39463 | 28.4          | 0.0   | 0.0   |       | 101 |  |
| SACRAMENTO FEED MILL, INC.    |       | SACRAMENTO    |       | KY    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 0-23-30                       | 38120 | 0.0           | 22.6  | 30.9  |       | 100 |  |
| 0-23-30                       | 40351 | 0.0           | 25.0  | 27.6* |       | 102 |  |
| 5-20-20                       | 40197 | 4.9           | 19.6  | 16.7* |       | 94* |  |
| 9-23-30                       | 39573 | 9.1           | 23.4  | 29.8  |       | 101 |  |
| SCHOCHOH CROP SERVICE         |       | RUSSELLVILLE  |       | KY    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 0-26-26                       | 38140 | 0.0           | 22.6* | 30.0  |       | 96* |  |
| O. M. SCOTT & SONS            |       | MARYSVILLE    |       | OH    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 18-24- 6                      | 37914 | 19.4          | 23.4  | 6.9   |       | 103 |  |
| 23- 7- 7                      | 37883 | 22.9          | 7.2   | 7.5   |       | 101 |  |
| SEARS, ROEBUCK & COMPANY      |       | CHICAGO       |       | IL    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 20-10- 5                      | 38859 | 22.2          | 10.1  | 5.7   |       | 108 |  |
| SEWERAGE COM., CITY MILWAUKEE |       | MILWAUKEE     |       | WI    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 6- 2- 0                       | 39801 | 6.9           | 1.8   | 0.0   |       | 109 |  |
| 6- 2- 0                       | 39802 | 7.1           | 1.8   | 0.0   |       | 111 |  |
| SEYMOUR CHEMICAL COMPANY      |       | SEYMOUR       |       | IN    |       |     |  |
| GRADE                         | NUM   | N             | APA   | POT   | XS CL | RV  |  |
| 5-10-15                       | 39897 | 5.3           | 10.9  | 14.8  |       | 104 |  |

TABLE 1. (Continued)

| SEYMOUR CHEMICAL COMPANY |       | SEYMOUR         |       |       | IN |    |     |  |
|--------------------------|-------|-----------------|-------|-------|----|----|-----|--|
| GRADE                    | NUM   | N               | APA   | POT   | XS | CL | RV  |  |
| 6-24-24                  | 39284 | 6.6             | 24.2  | 23.8  |    |    | 102 |  |
| 8-32-16                  | 38369 | 8.0             | 31.9  | 16.2  |    |    | 100 |  |
| 10-10-10                 | 39259 | 9.7*            | 10.8  | 9.9   |    |    | 102 |  |
| 12-12-12                 | 39285 | 12.7            | 12.4  | 12.0  |    |    | 103 |  |
| SMITH-DOUGLAS DIV        |       | RUSSELLVILLE KY |       |       |    |    |     |  |
| GRADE                    | NUM   | N               | APA   | POT   | XS | CL | RV  |  |
| 0- 0-60                  | 38034 | 0.0             | 0.0   | 58.8  |    |    | 98  |  |
| 0-10-30                  | 39457 | 0.0             | 9.1*  | 27.5* |    |    | 91* |  |
| 0-10-30                  | 39644 | 0.0             | 10.8  | 26.8* |    |    | 97* |  |
| 0-46- 0                  | 38033 | 0.0             | 44.1* | 0.0   |    |    | 96* |  |
| 4-16- 4                  | 38404 | 6.0             | 16.9  | 10.5  |    |    | 128 |  |
| 4-16-16                  | 37937 | 5.8             | 17.0  | 14.1* |    |    | 107 |  |
| 5-10-15                  | 38260 | 6.1             | 10.5  | 10.9* |    |    | 98  |  |
| 5-10-15                  | 38405 | 6.0             | 11.4  | 15.8  |    |    | 113 |  |
| 5-10-15                  | 38447 | 5.9             | 10.6  | 14.8  |    |    | 106 |  |
| 5-10-15                  | 38517 | 6.7             | 11.7  | 16.5  | *  |    | 118 |  |
| 5-10-15                  | 38772 | 6.1             | 10.3  | 17.1  |    |    | 111 |  |
| 5-10-15                  | 40095 | 6.7             | 9.7   | 15.1  |    |    | 106 |  |
| 5-20-20                  | 37944 | 6.2             | 19.6  | 18.9* |    |    | 101 |  |
| 5-20-20                  | 37950 | 5.8             | 20.8  | 18.3* |    |    | 102 |  |
| 5-20-20                  | 38449 | 5.7             | 20.3  | 20.2  |    |    | 103 |  |
| 5-20-20                  | 39456 | 2.2*            | 15.1* | 20.7  |    |    | 79* |  |
| 5-20-20                  | 39643 | 6.4             | 25.7  | 14.1* |    |    | 112 |  |
| 5-20-20                  | 39697 | 5.8             | 20.5  | 18.4* |    |    | 101 |  |
| 5-20-20                  | 40043 | 6.5             | 13.7* | 19.8  |    |    | 86* |  |
| 5-20-20                  | 38442 | 6.1             | 22.6  | 23.9  |    |    | 116 |  |
| 6-12-12                  | 37935 | 7.9             | 14.4  | 12.0  |    |    | 118 |  |
| 6-12-12                  | 38035 | 7.0             | 15.9  | 10.8* |    |    | 117 |  |
| 6-12-12                  | 38346 | 8.0             | 16.6  | 13.3  |    |    | 130 |  |
| 6-12-12                  | 39952 | 6.5             | 15.3  | 13.6  |    |    | 119 |  |
| 6-12-12                  | 39948 | 6.2             | 12.7  | 12.6  |    |    | 105 |  |
| 6-12-18                  | 39831 | 6.9             | 12.7  | 18.0  |    |    | 106 |  |
| 6-12-18                  | 40091 | 6.6             | 13.3  | 18.7  |    |    | 108 |  |
| 6-12-18                  | 40312 | 6.6             | 12.0  | 17.7  |    |    | 102 |  |
| 6-12-18                  | 40344 | 5.8             | 12.2  | 17.8  |    |    | 100 |  |
| 6-21-18                  | 40378 | 6.5             | 20.8  | 21.4  |    |    | 106 |  |
| 6-24-24                  | 38080 | 5.1*            | 18.9* | 30.9  |    |    | 94* |  |
| 6-24-24                  | 38081 | 6.3             | 22.7* | 24.1  |    |    | 98  |  |
| 6-24-24                  | 38222 | 5.9             | 22.4* | 25.0  |    |    | 97* |  |
| 6-24-24                  | 38322 | 5.9             | 20.0* | 18.8* |    |    | 84* |  |
| 6-24-24                  | 38737 | 6.0             | 23.7  | 25.0  |    |    | 100 |  |
| 6-24-24                  | 38771 | 6.0             | 22.4* | 21.3* |    |    | 93* |  |
| 6-24-24                  | 39302 | 6.4             | 22.5* | 23.0  |    |    | 96* |  |
| 6-24-24                  | 39337 | 6.8             | 22.5* | 23.8  |    |    | 98  |  |
| 6-24-24                  | 39338 | 6.5             | 23.3  | 23.8  |    |    | 99  |  |
| 6-24-24                  | 39392 | 6.5             | 22.2* | 23.8  |    |    | 97* |  |
| 6-24-24                  | 39951 | 7.3             | 23.3  | 23.1  |    |    | 100 |  |
| 6-24-24                  | 40313 | 6.3             | 23.8  | 22.8* |    |    | 99  |  |
| 6-24-24                  | 40343 | 6.3             | 22.3* | 24.9  |    |    | 98  |  |
| 6-24-24                  | 37973 | 6.6             | 22.7* | 24.1  |    |    | 98  |  |
| 6-24-24                  | 38112 | 6.5             | 24.6  | 23.4  |    |    | 102 |  |
| 6-24-24                  | 38446 | 5.9             | 23.7  | 24.6  |    |    | 100 |  |
| 6-24-24                  | 38567 | 6.5             | 23.4  | 22.6* |    |    | 98  |  |
| 6-24-24                  | 38738 | 6.4             | 22.7* | 23.0  |    |    | 97* |  |
| 6-24-24                  | 38740 | 6.4             | 22.3* | 24.1  |    |    | 97* |  |
| 6-24-24                  | 38753 | 6.3             | 23.3  | 22.5* |    |    | 97* |  |
| 6-24-24                  | 39198 | 6.3             | 22.5* | 24.1  |    |    | 97* |  |

TABLE 1. (Continued)

| SMITH-DOUGLAS DIV           |       | RUSSELLVILLE KY |       |       |  | XS CL | RV |
|-----------------------------|-------|-----------------|-------|-------|--|-------|----|
| GRADE                       | NUM   | N               | APA   | POT   |  |       |    |
| 6-24-24                     | 39217 | 5.8             | 23.9  | 24.5  |  | 100   |    |
| 6-24-24                     | 39218 | 6.3             | 22.9* | 23.7  |  | 98    |    |
| 6-24-24                     | 39509 | 6.0             | 22.1* | 24.1  |  | 96*   |    |
| 6-24-24                     | 39838 | 6.4             | 26.1  | 21.3* |  | 103   |    |
| 6-24-24                     | 40096 | 7.1             | 23.8  | 22.2* |  | 100   |    |
| 6-24-24                     | 40306 | 6.0             | 22.2* | 24.4  |  | 96*   |    |
| 6-24-24                     | 40319 | 6.5             | 22.1* | 24.8  |  | 97*   |    |
| 7-21-10                     | 37912 | 7.0             | 21.8  | 11.7  |  | 105   |    |
| 7-21-10                     | 38229 | 6.6             | 22.4  | 11.5  |  | 105   |    |
| 7-21-10                     | 39339 | 5.9*            | 24.4  | 10.2  |  | 107   |    |
| 7-21-10                     | 39558 | 6.4             | 21.5  | 11.3  |  | 102   |    |
| 10-10-10                    | 38113 | 9.8             | 12.9  | 10.8  |  | 112   |    |
| 10-10-10                    | 38259 | 10.3            | 14.8  | 11.8  |  | 124   |    |
| 10-10-10                    | 38448 | 10.0            | 9.9   | 12.0  |  | 103   |    |
| 10-10-10                    | 38516 | 9.7             | 12.7  | 11.7  |  | 113   |    |
| 10-10-10                    | 38770 | 9.1*            | 10.7  | 12.0  |  | 103   |    |
| 10-10-10                    | 38773 | 10.5            | 10.1  | 10.2  |  | 103   |    |
| 10-10-10                    | 39208 | 9.2*            | 11.7  | 13.3  |  | 110   |    |
| 10-10-10                    | 39303 | 9.7             | 10.3  | 13.8  |  | 108   |    |
| 10-10-10                    | 39367 | 8.8*            | 8.6*  | 14.7  |  | 99    |    |
| 10-10-10                    | 39459 | 9.7             | 9.4   | 11.0  |  | 98    |    |
| 10-10-10                    | 39557 | 9.7             | 10.6  | 13.2  |  | 107   |    |
| 10-10-10                    | 39640 | 8.5*            | 8.3*  | 11.6  |  | 90*   |    |
| 10-10-10                    | 39645 | 11.3            | 10.1  | 12.5  |  | 110   |    |
| 10-10-10                    | 40345 | 10.5            | 10.2  | 11.8  |  | 106   |    |
| 10-10-10                    | 40353 | 10.0            | 10.4  | 10.5  |  | 102   |    |
| 10-10-10                    | 37919 | 12.9*           | 18.8  | 13.6  |  | 110   |    |
| 14-14-14                    | 37936 | 12.7*           | 18.9  | 13.2  |  | 109   |    |
| 14-14-14                    | 37942 | 13.0*           | 17.7  | 14.4  |  | 108   |    |
| 14-14-14                    | 38223 | 12.6*           | 17.7  | 14.2  |  | 107   |    |
| 16- 8- 8                    | 38822 | 14.8*           | 11.0  | 9.6   |  | 109   |    |
| 16- 8- 8                    | 39696 | 14.5*           | 10.6  | 10.0  |  | 107   |    |
| 16- 8- 8                    | 39950 | 13.6*           | 8.4   | 12.6  |  | 101   |    |
| 18-46- 0                    | 39458 | 17.8            | 45.2  | 0.0   |  | 98    |    |
| 18-46- 0                    | 39642 | 17.7            | 45.2  | 0.0   |  | 98    |    |
| 18-46- 0                    | 38144 | 17.6            | 45.2  | 0.0   |  | 98    |    |
| 28- 0- 0                    | 39828 | 28.5            | 0.0   | 0.0   |  | 102   |    |
| 33- 0- 0                    | 39641 | 34.4            | 0.0   | 0.0   |  | 103   |    |
| 33- 0- 0                    | 38443 | 34.7            | 0.0   | 0.0   |  | 103   |    |
| 33- 0- 0                    | 39340 | 34.8            | 0.0   | 0.0   |  | 104   |    |
| 82- 0- 0                    | 38783 | 81.8            | 0.0   | 0.0   |  | 100   |    |
| SMITH-DOUGLASS, BORDEN INC. |       | NORFOLK VA      |       |       |  | XS CL | RV |
| GRADE                       | NUM   | N               | APA   | POT   |  |       |    |
| 33- 0- 0                    | 38261 | 34.3            | 0.0   | 0.0   |  | 102   |    |
| 33- 0- 0                    | 39455 | 33.8            | 0.0   | 0.0   |  | 102   |    |
| 46- 0- 0                    | 37962 | 45.6            | 0.0   | 0.0   |  | 99    |    |
| SMITHS GROVE FERTILIZER CO  |       | SMITHS GROVE KY |       |       |  | XS CL | RV |
| GRADE                       | NUM   | N               | APA   | POT   |  |       |    |
| 14-14-14                    | 38050 | 14.5            | 16.5  | 13.1* |  | 101   |    |
| SMYLES LABORATORIES, INC.   |       | MINNEAPOLIS MN  |       |       |  | XS CL | RV |
| GRADE                       | NUM   | N               | APA   | POT   |  |       |    |
| 2- 2- 2                     | 37927 | 4.9             | 3.7   | 3.1   |  | 204   |    |
| SOUTHERN STATES COOP., INC. |       | BALTIMORE MD    |       |       |  | XS CL | RV |
| GRADE                       | NUM   | N               | APA   | POT   |  |       |    |
| 5-10-15                     | 38303 | 5.8             | 10.8  | 15.1  |  | 107   |    |
| 5-10-15                     | 38350 | 5.3             | 10.8  | 15.0  |  | 104   |    |
| 5-10-15                     | 38465 | 5.3             | 10.3  | 15.7  |  | 104   |    |

TABLE 1. (Continued)

| SOUTHERN STATES COOP., INC. |       | BALTIMORE  |      | MD    |  | XS | CL | RV  |
|-----------------------------|-------|------------|------|-------|--|----|----|-----|
| GRADE                       | NUM   | N          | APA  | POT   |  |    |    |     |
| 5-10-15                     | 38605 | 5.3        | 10.2 | 15.0  |  |    |    | 102 |
| 5-10-15                     | 38830 | 5.4        | 10.3 | 15.5  |  |    |    | 104 |
| 5-10-15                     | 38976 | 5.2        | 9.7  | 15.3  |  |    |    | 100 |
| 5-10-15                     | 38989 | 5.3        | 9.8  | 15.1  |  |    |    | 101 |
| 5-10-15                     | 39223 | 5.3        | 10.3 | 16.3  |  |    |    | 105 |
| SOUTHERN STATES COOP., INC. |       | RICHMOND   |      | VA    |  | XS | CL | RV  |
| GRADE                       | NUM   | N          | APA  | POT   |  |    |    |     |
| 0- 0-50                     | 38008 | 0.0        | 0.0  | 50.5  |  |    |    | 101 |
| 0- 0-50                     | 38215 | 0.0        | 0.0  | 50.4  |  |    |    | 101 |
| 0- 0-51                     | 38210 | 0.0        | 0.0  | 50.7  |  |    |    | 99  |
| 0- 0-60                     | 38164 | 0.0        | 0.0  | 60.0  |  |    |    | 100 |
| 0-44- 0                     | 38211 | 0.0        | 43.5 | 0.0   |  |    |    | 99  |
| 5-10- 5                     | 39345 | 5.5        | 10.2 | 5.8   |  |    |    | 107 |
| 10-10-10                    | 39344 | 10.1       | 10.2 | 10.2  |  |    |    | 101 |
| 18-46- 0                    | 38177 | 17.7       | 45.6 | 0.0   |  |    |    | 99  |
| 18-46- 0                    | 38212 | 18.3       | 46.6 | 0.0   |  |    |    | 101 |
| 18-46- 0                    | 38214 | 18.3       | 46.6 | 0.0   |  |    |    | 101 |
| 18-46- 0                    | 40011 | 18.3       | 46.5 | 0.0   |  |    |    | 101 |
| 18-46- 0                    | 40308 | 18.0       | 46.1 | 0.0   |  |    |    | 100 |
| 20- 5-10                    | 39820 | 19.0       | 5.7  | 9.8   |  |    |    | 99  |
| 28- 0- 0                    | 38900 | 27.2       | 0.0  | 0.0   |  |    |    | 97  |
| 28- 0- 0                    | 39775 | 26.9       | 0.0  | 0.0   |  |    |    | 96  |
| 28- 0- 0                    | 39833 | 28.1       | 0.0  | 0.0   |  |    |    | 100 |
| 34- 0- 0                    | 38213 | 34.1       | 0.0  | 0.0   |  |    |    | 99  |
| SOUTHERN STATES COOP., INC. |       | LOUISVILLE |      | KY    |  | XS | CL | RV  |
| GRADE                       | NUM   | N          | APA  | PCT   |  |    |    |     |
| 5-10-15                     | 38278 | 5.5        | 10.8 | 16.5  |  |    |    | 109 |
| 5-10-15                     | 38308 | 5.2        | 8.8* | 18.4  |  |    |    | 103 |
| 5-10-15                     | 38336 | 5.9        | 11.2 | 14.2  |  |    |    | 107 |
| 5-10-15                     | 38347 | 5.4        | 9.7  | 16.6  |  |    |    | 104 |
| 5-10-15                     | 38383 | 5.0        | 9.6  | 16.3  |  |    |    | 101 |
| 5-10-15                     | 38399 | 5.5        | 9.2* | 16.8  |  |    |    | 103 |
| 5-10-15                     | 38454 | 5.3        | 9.6  | 16.0  |  |    |    | 101 |
| 5-10-15                     | 38470 | 6.2        | 11.2 | 14.8  |  |    |    | 110 |
| 5-10-15                     | 38553 | 5.6        | 10.2 | 15.5  |  |    |    | 105 |
| 5-10-15                     | 38583 | 5.8        | 9.9  | 15.5  |  |    |    | 104 |
| 5-10-15                     | 38591 | 5.8        | 10.1 | 15.4  |  |    |    | 105 |
| 5-10-15                     | 38657 | 5.6        | 9.8  | 16.0  |  |    |    | 104 |
| 5-10-15                     | 38673 | 5.2        | 10.1 | 13.8* |  |    |    | 98  |
| 5-10-15                     | 38726 | 6.0        | 11.3 | 14.7  |  |    |    | 110 |
| 5-10-15                     | 38784 | 5.9        | 10.6 | 15.6  |  |    |    | 108 |
| 5-10-15                     | 38792 | 5.8        | 9.9  | 15.2  |  |    |    | 103 |
| 5-10-15                     | 39230 | 5.0        | 10.0 | 14.9  |  |    |    | 100 |
| 5-10-15                     | 39301 | 5.9        | 11.3 | 14.0* |  |    |    | 108 |
| 5-10-15                     | 39326 | 5.7        | 11.5 | 14.8  |  |    |    | 109 |
| 5-10-15                     | 39580 | 5.4        | 9.0* | 15.8  |  |    |    | 99  |
| 5-10-15                     | 39719 | 6.3        | 11.9 | 13.6* |  |    |    | 111 |
| 5-10-15                     | 39726 | 5.6        | 10.6 | 12.8* |  |    |    | 100 |
| 5-10-15                     | 39750 | 5.7        | 10.8 | 15.3  |  |    |    | 107 |
| 5-10-15                     | 39755 | 5.5        | 10.3 | 16.7  |  |    |    | 107 |
| 5-10-15                     | 39778 | 5.3        | 10.5 | 16.7  |  |    |    | 107 |
| 5-10-15                     | 39844 | 5.4        | 11.8 | 13.9* |  |    |    | 107 |
| 5-10-15                     | 40174 | 5.9        | 10.7 | 15.0  |  |    |    | 107 |
| 5-10-15                     | 40225 | 5.5        | 10.9 | 15.2  |  |    |    | 106 |
| 5-10-15                     | 40228 | 5.2        | 9.4  | 14.2  |  |    |    | 96* |
| 5-10-15                     | 40366 | 4.9        | 10.1 | 15.4  |  |    |    | 101 |
| 5-10-15                     | 40229 | 4.7        | 8.2* | 18.7  |  |    |    | 99  |

TABLE 1. (Continued)

| SOUTHERN STATES COOP., INC. |       | LOUISVILLE      |       |       | KEY | XS CL | RV  |
|-----------------------------|-------|-----------------|-------|-------|-----|-------|-----|
| GRADE                       | NUM   | N               | APA   | POT   |     |       |     |
| 5-20-20                     | 38115 | 6.3             | 23.1  | 17.5* |     |       | 109 |
| 5-20-20                     | 38375 | 5.4             | 20.7  | 18.3* |     |       | 101 |
| 5-20-20                     | 38427 | 4.8             | 19.5  | 21.9  |     |       | 101 |
| 5-20-20                     | 38467 | 5.9             | 20.6  | 20.9  |     |       | 106 |
| 5-20-20                     | 39117 | 5.7             | 20.3  | 20.3  |     |       | 103 |
| 5-20-20                     | 39621 | 6.1             | 21.8  | 18.3* |     |       | 106 |
| 5-20-20                     | 39646 | 5.7             | 21.8  | 20.8  |     |       | 108 |
| 5-20-20                     | 39779 | 6.0             | 21.9  | 18.9* |     |       | 107 |
| 5-20-20                     | 40115 | 5.3             | 20.0  | 18.9* |     |       | 99  |
| 5-20-20                     | 40224 | 5.8             | 21.4  | 20.7  |     |       | 107 |
| 5-20-20                     | 40279 | 5.3             | 20.8  | 15.7* |     |       | 97* |
| 6-12-12                     | 38426 | 6.6             | 13.1  | 12.5  |     |       | 108 |
| 6-12-12                     | 39781 | 6.7             | 13.3  | 11.8  |     |       | 107 |
| 8-10-15                     | 39652 | 9.0             | 10.4  | 15.3  |     |       | 106 |
| 10-10-10                    | 37890 | 9.6             | 10.2  | 9.9   |     |       | 99  |
| 10-10-10                    | 37979 | 11.2            | 10.4  | 7.8*  |     |       | 102 |
| 10-10-10                    | 38180 | 10.3            | 11.3  | 10.9  |     |       | 108 |
| 10-10-10                    | 38241 | 11.8            | 7.6*  | 8.5*  |     |       | 94* |
| 10-10-10                    | 38307 | 9.9             | 9.6   | 10.8  |     |       | 99  |
| 10-10-10                    | 38309 | 9.9             | 10.4  | 11.0  |     |       | 103 |
| 10-10-10                    | 38337 | 10.1            | 11.0  | 9.9   |     |       | 104 |
| 10-10-10                    | 38374 | 10.5            | 9.1*  | 8.5*  |     |       | 95* |
| 10-10-10                    | 38382 | 10.6            | 9.7   | 10.1  |     |       | 101 |
| 10-10-10                    | 38398 | 11.6            | 8.5*  | 8.1*  |     |       | 97* |
| 10-10-10                    | 38425 | 11.0            | 10.8  | 8.7*  |     |       | 104 |
| 10-10-10                    | 38450 | 9.6             | 10.5  | 11.7  |     |       | 104 |
| 10-10-10                    | 38466 | 11.8            | 11.5  | 9.8   |     |       | 113 |
| 10-10-10                    | 38551 | 10.8            | 10.0  | 9.2*  |     |       | 101 |
| 10-10-10                    | 38962 | 10.6            | 10.9  | 9.8   |     |       | 105 |
| 10-10-10                    | 38985 | 9.9             | 10.8  | 9.9   |     |       | 102 |
| 10-10-10                    | 39120 | 9.0*            | 10.1  | 10.8  |     |       | 98  |
| 10-10-10                    | 39332 | 11.2            | 11.3  | 11.0  |     |       | 112 |
| 10-10-10                    | 39622 | 9.1*            | 11.0  | 10.8  |     |       | 102 |
| 10-10-10                    | 39647 | 10.5            | 10.1  | 10.5  |     |       | 103 |
| 10-10-10                    | 39648 | 11.4            | 11.8  | 8.2*  |     |       | 109 |
| 10-10-10                    | 39720 | 10.4            | 11.1  | 9.8   |     |       | 106 |
| 10-10-10                    | 39748 | 10.0            | 10.1  | 10.7  |     |       | 102 |
| 10-10-10                    | 39766 | 9.3*            | 10.9  | 10.1  |     |       | 101 |
| 10-10-10                    | 39782 | 9.1*            | 11.1  | 10.0  |     |       | 101 |
| 10-10-10                    | 39783 | 10.5            | 10.3  | 9.8   |     |       | 103 |
| 10-10-10                    | 40214 | 10.4            | 11.0  | 10.9  |     |       | 107 |
| 10-10-10                    | 40280 | 9.6             | 11.3  | 10.0  |     |       | 103 |
| 12-12-12                    | 38468 | 12.0            | 13.4  | 12.7  |     |       | 105 |
| 12-12-12                    | 38988 | 12.5            | 10.3* | 13.0  |     |       | 97* |
| 15-15-15                    | 38469 | 15.9            | 15.8  | 13.8* |     |       | 103 |
| 15-15-15                    | 40176 | 15.1            | 17.0  | 13.8* |     |       | 104 |
| 15-15-15                    | 40374 | 15.3            | 12.0* | 17.4  |     |       | 96* |
| 18-46-0                     | 39311 | 18.0            | 46.6  | 0.0   |     |       | 101 |
| SOUTHERN STATES COOP., INC. |       | RUSSELLVILLE KY |       |       |     | XS CL | RV  |
| GRADE                       | NUM   | N               | APA   | POT   |     |       |     |
| 0-0-21                      | 39483 | 0.0             | 0.0   | 21.9  |     |       | 102 |
| 0-0-60                      | 37976 | 0.0             | 0.0   | 59.8  |     |       | 100 |
| 0-44-0                      | 37975 | 0.0             | 43.0  | 0.0   |     |       | 98  |
| 4-16-4                      | 38341 | 4.5             | 16.1  | 4.7   |     |       | 104 |
| 4-16-4                      | 38400 | 4.3             | 16.5  | 4.3   |     |       | 105 |
| 4-16-4                      | 38600 | 4.0             | 16.2  | 4.4   |     |       | 102 |
| 4-16-4                      | 38627 | 4.0             | 16.3  | 4.5   |     |       | 102 |



TABLE 1. (Continued)

| SOUTHERN STATES COOP., INC. |       | RUSSELLVILLE KY |       |       |       |     |
|-----------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                       | NUM   | N               | APA   | POT   | XS CL | RV  |
| 4-16-4                      | 38643 | 4.7             | 15.6  | 4.9   |       | 103 |
| 4-16-4                      | 39076 | 4.5             | 17.3  | 4.0   |       | 108 |
| 4-16-4                      | 39200 | 4.4             | 16.6  | 4.5   |       | 106 |
| 5-10-15                     | 38316 | 5.5             | 10.7  | 16.0  |       | 107 |
| 5-10-15                     | 38330 | 5.6             | 9.5   | 16.7  |       | 104 |
| 5-10-15                     | 38338 | 5.5             | 10.4  | 16.6  |       | 108 |
| 5-10-15                     | 38349 | 5.6             | 10.3  | 16.1  |       | 107 |
| 5-10-15                     | 38368 | 5.3             | 9.6   | 16.4  |       | 103 |
| 5-10-15                     | 38385 | 5.2             | 9.5   | 17.3  |       | 104 |
| 5-10-15                     | 38408 | 5.8             | 9.8   | 16.8  |       | 106 |
| 5-10-15                     | 38464 | 5.5             | 9.8   | 16.4  |       | 104 |
| 5-10-15                     | 38513 | 5.5             | 9.7   | 16.6  |       | 104 |
| 5-10-15                     | 38603 | 4.7             | 10.1  | 15.2  |       | 100 |
| 5-10-15                     | 38669 | 5.2             | 10.0  | 15.1  |       | 101 |
| 5-10-15                     | 38764 | 5.2             | 9.9   | 15.8  |       | 102 |
| 5-10-15                     | 38767 | 5.3             | 9.8   | 16.0  |       | 103 |
| 5-10-15                     | 38975 | 5.1             | 9.7   | 17.3  |       | 104 |
| 5-10-15                     | 39152 | 5.2             | 10.9  | 13.7* |       | 102 |
| 5-10-15                     | 39159 | 5.4             | 11.1  | 15.9  |       | 108 |
| 5-10-15                     | 39201 | 5.4             | 10.0  | 14.8  |       | 101 |
| 5-10-15                     | 39261 | 5.6             | 9.8   | 15.8  |       | 104 |
| 5-10-15                     | 39400 | 5.3             | 9.5   | 15.2  |       | 99  |
| 5-10-15                     | 39474 | 5.1             | 10.2  | 16.0  |       | 104 |
| 5-10-15                     | 39630 | 5.3             | 9.3*  | 14.8  |       | 97* |
| 5-10-15                     | 39769 | 5.2             | 11.7  | 15.7  |       | 110 |
| 5-10-15                     | 39811 | 5.4             | 10.6  | 18.0  |       | 111 |
| 5-10-15                     | 39843 | 5.2             | 9.8   | 15.1  |       | 100 |
| 5-10-15                     | 39845 | 5.1             | 10.4  | 14.8  |       | 102 |
| 5-10-15                     | 40346 | 5.4             | 10.2  | 14.8  |       | 102 |
| 5-10-15                     | 39460 | 5.4             | 10.1  | 15.0  |       | 102 |
| 5-20-20                     | 38102 | 5.7             | 20.0  | 20.0  |       | 102 |
| 5-20-20                     | 38134 | 5.2             | 21.2  | 18.5* |       | 102 |
| 5-20-20                     | 38174 | 5.1             | 19.0* | 22.3  |       | 101 |
| 5-20-20                     | 38253 | 5.3             | 20.4  | 20.4  |       | 102 |
| 5-20-20                     | 38255 | 4.9             | 19.7  | 21.0  |       | 100 |
| 5-20-20                     | 38573 | 5.5             | 19.6  | 19.8  |       | 100 |
| 5-20-20                     | 38766 | 5.0             | 18.9* | 20.9  |       | 98  |
| 5-20-20                     | 39298 | 5.9             | 19.7  | 20.4  |       | 102 |
| 5-20-20                     | 39299 | 5.5             | 20.1  | 20.9  |       | 103 |
| 5-20-20                     | 39356 | 5.3             | 20.3  | 19.9  |       | 101 |
| 5-20-20                     | 40059 | 5.5             | 19.9  | 19.1  |       | 100 |
| 5-20-20                     | 40274 | 5.4             | 19.3  | 19.8  |       | 99  |
| 5-20-20                     | 40385 | 4.8             | 19.5  | 19.0* |       | 96* |
| 5-20-20                     | 40104 | 5.6             | 18.3* | 19.7  |       | 96* |
| 6-12-12                     | 37865 | 5.0*            | 10.8* | 12.8  |       | 92* |
| 6-12-12                     | 38514 | 6.8             | 12.0  | 13.4  |       | 106 |
| 6-12-12                     | 38552 | 6.4             | 12.3  | 13.0  |       | 105 |
| 6-12-12                     | 38602 | 6.4             | 12.2  | 12.5  |       | 103 |
| 6-12-12                     | 38606 | 6.4             | 13.1  | 13.9  |       | 110 |
| 6-12-12                     | 38765 | 6.3             | 12.1  | 12.8  |       | 103 |
| 6-12-12                     | 38075 | 6.6             | 11.4  | 13.1  |       | 102 |
| 6-12-12                     | 39523 | 6.2             | 11.3  | 12.7  |       | 99  |
| 6-24-24                     | 38024 | 6.4             | 24.9  | 23.2  |       | 102 |
| 6-24-24                     | 38348 | 6.1             | 24.4  | 23.8  |       | 101 |
| 6-24-24                     | 38555 | 5.9             | 24.6  | 23.0  |       | 100 |
| 6-24-24                     | 38820 | 5.5             | 23.8  | 25.6  |       | 100 |
| 6-24-24                     | 38934 | 6.0             | 23.3  | 25.7  |       | 100 |

TABLE 1. (Continued)

| SOUTHERN STATES COOP., INC. |       | RUSSELLVILLE KY |      |       |  | XS CL | RV |
|-----------------------------|-------|-----------------|------|-------|--|-------|----|
| GRADE                       | NUM   | N               | APA  | POT   |  |       |    |
| 6-24-24                     | 39263 | 6.6             | 25.6 | 23.9  |  | 105   |    |
| 6-24-24                     | 39650 | 5.9             | 23.5 | 24.0  |  | 98    |    |
| 6-24-24                     | 39826 | 6.0             | 24.4 | 23.8  |  | 101   |    |
| 6-24-24                     | 38051 | 6.1             | 24.3 | 23.8  |  | 100   |    |
| 6-24-24                     | 39026 | 6.3             | 23.8 | 24.6  |  | 101   |    |
| 10-10-10                    | 37866 | 10.2            | 9.9  | 10.5  |  | 101   |    |
| 10-10-10                    | 37986 | 9.9             | 10.7 | 8.1*  |  | 98    |    |
| 10-10-10                    | 38175 | 10.4            | 10.1 | 10.5  |  | 103   |    |
| 10-10-10                    | 38181 | 10.4            | 10.2 | 10.1  |  | 102   |    |
| 10-10-10                    | 38243 | 10.2            | 10.2 | 10.8  |  | 103   |    |
| 10-10-10                    | 38351 | 10.3            | 9.9  | 11.5  |  | 104   |    |
| 10-10-10                    | 38397 | 10.3            | 10.0 | 10.3  |  | 101   |    |
| 10-10-10                    | 38515 | 9.9             | 10.3 | 10.1  |  | 101   |    |
| 10-10-10                    | 38547 | 10.0            | 10.0 | 10.3  |  | 100   |    |
| 10-10-10                    | 38548 | 10.3            | 9.8  | 10.8  |  | 102   |    |
| 10-10-10                    | 38607 | 10.6            | 10.1 | 9.8   |  | 102   |    |
| 10-10-10                    | 38668 | 10.5            | 11.3 | 9.8   |  | 107   |    |
| 10-10-10                    | 39140 | 10.0            | 10.2 | 10.4  |  | 102   |    |
| 10-10-10                    | 39202 | 10.7            | 10.1 | 9.9   |  | 103   |    |
| 10-10-10                    | 39300 | 10.3            | 10.1 | 9.9   |  | 101   |    |
| 10-10-10                    | 39472 | 9.9             | 9.0* | 12.4  |  | 100   |    |
| 10-10-10                    | 39473 | 10.5            | 9.1* | 11.3  |  | 101   |    |
| 10-10-10                    | 39583 | 10.2            | 9.4  | 10.2  |  | 99    |    |
| 10-10-10                    | 39768 | 10.2            | 9.7  | 10.5  |  | 101   |    |
| 10-10-10                    | 39807 | 10.9            | 9.6  | 10.8  |  | 104   |    |
| 10-10-10                    | 39847 | 10.9            | 9.8  | 10.9  |  | 104   |    |
| 10-10-10                    | 40051 | 10.5            | 9.7  | 9.8   |  | 100   |    |
| 12-12-12                    | 38101 | 11.9            | 11.8 | 12.9  |  | 100   |    |
| 12-12-12                    | 38763 | 12.3            | 11.8 | 12.7  |  | 101   |    |
| 12-12-12                    | 38831 | 12.3            | 12.4 | 12.9  |  | 104   |    |
| 12-12-12                    | 39260 | 12.2            | 11.6 | 12.8  |  | 101   |    |
| 12-12-12                    | 39315 | 12.3            | 11.6 | 11.9  |  | 99    |    |
| 12-12-12                    | 39401 | 12.3            | 12.0 | 12.4  |  | 101   |    |
| 34- 0- 0                    | 37974 | 34.1            | 0.0  | 0.0   |  | 99    |    |
| SOUTHERN STATES COOP., INC. |       | WINCHESTER KY   |      |       |  | XS CL | RV |
| GRADE                       | NUM   | N               | APA  | POT   |  |       |    |
| 0- 0-50                     | 38344 | 0.0             | 0.0  | 51.5  |  | 103   |    |
| 0- 0-60                     | 38342 | 0.0             | 0.0  | 58.9  |  | 98    |    |
| 0-12-40                     | 38339 | 0.0             | 12.8 | 38.4* |  | 100   |    |
| 0-25-25                     | 38986 | 0.0             | 28.3 | 22.7* |  | 106   |    |
| 0-25-25                     | 39271 | 0.0             | 24.9 | 24.8  |  | 99    |    |
| 0-25-25                     | 39398 | 0.0             | 26.1 | 23.5* |  | 101   |    |
| 0-25-25                     | 40338 | 0.0             | 25.5 | 23.8* |  | 100   |    |
| 0-44- 0                     | 38343 | 0.0             | 44.2 | 0.0   |  | 100   |    |
| 5-10-15                     | 38304 | 5.3             | 9.9  | 17.5  |  | 106   |    |
| 5-10-15                     | 38366 | 6.4             | 10.6 | 15.3  |  | 109   |    |
| 5-10-15                     | 38432 | 5.3             | 9.8  | 15.5  |  | 101   |    |
| 5-10-15                     | 38435 | 4.9             | 8.8* | 15.5  |  | 96*   |    |
| 5-10-15                     | 38536 | 5.2             | 10.2 | 16.0  |  | 104   |    |
| 5-10-15                     | 38582 | 5.5             | 10.6 | 14.8  |  | 104   |    |
| 5-10-15                     | 38691 | 5.5             | 10.3 | 15.9  |  | 105   |    |
| 5-10-15                     | 38758 | 5.4             | 11.1 | 14.8  |  | 106   |    |
| 5-10-15                     | 38759 | 5.8             | 10.2 | 14.9  |  | 104   |    |
| 5-10-15                     | 38910 | 5.3             | 10.9 | 15.3  |  | 105   |    |
| 5-10-15                     | 39073 | 5.5             | 10.6 | 14.8  |  | 104   |    |
| 5-10-15                     | 39077 | 5.1             | 9.7  | 14.8  |  | 98    |    |
| 5-10-15                     | 39222 | 4.9             | 9.8  | 15.8  |  | 100   |    |

TABLE 1. (Continued)

| SOUTHERN STATES COOP., INC. |       | WINCHESTER |       |       | KY    |     |  |
|-----------------------------|-------|------------|-------|-------|-------|-----|--|
| GRADE                       | NUM   | N          | APA   | POT   | XS CL | RV  |  |
| 5-10-15                     | 39325 | 5.5        | 10.3  | 14.0* |       | 101 |  |
| 5-10-15                     | 39842 | 5.9        | 11.1  | 14.8  |       | 108 |  |
| 5-10-15                     | 39846 | 5.4        | 10.2  | 15.1  |       | 103 |  |
| 5-10-15                     | 39848 | 5.7        | 10.8  | 15.1  |       | 107 |  |
| 5-10-15                     | 40137 | 5.0        | 9.3*  | 15.6  |       | 98  |  |
| 5-10-15                     | 40259 | 5.1        | 9.1*  | 15.3  |       | 97* |  |
| 5-10-15                     | 40337 | 5.2        | 9.3*  | 17.1  |       | 102 |  |
| 5-20-20                     | 38182 | 5.8        | 20.9  | 19.8  |       | 105 |  |
| 5-20-20                     | 38238 | 6.1        | 19.7  | 20.1  |       | 102 |  |
| 5-20-20                     | 38453 | 5.4        | 19.2  | 20.5  |       | 99  |  |
| 5-20-20                     | 38601 | 5.3        | 18.4* | 20.5  |       | 97* |  |
| 5-20-20                     | 38987 | 5.6        | 19.7  | 19.8  |       | 101 |  |
| 5-20-20                     | 39074 | 5.3        | 20.6  | 20.1  |       | 102 |  |
| 5-20-20                     | 39110 | 5.8        | 20.9  | 20.3  |       | 105 |  |
| 5-20-20                     | 39183 | 5.9        | 22.0  | 19.5  |       | 108 |  |
| 5-20-20                     | 39244 | 5.6        | 21.1  | 19.8  |       | 104 |  |
| 5-20-20                     | 40271 | 5.1        | 18.7* | 16.6* |       | 92* |  |
| 6- 6-18                     | 39849 | 7.3        | 7.1   | 18.1  |       | 112 |  |
| 6-12-12                     | 38656 | 6.0        | 11.3  | 14.1  |       | 101 |  |
| 6-12-12                     | 38990 | 6.5        | 12.5  | 11.8  |       | 104 |  |
| 6-12-12                     | 39186 | 6.2        | 12.6  | 12.8  |       | 105 |  |
| 6-12-12                     | 40336 | 6.3        | 12.3  | 15.7  |       | 110 |  |
| 8-10-15                     | 38690 | 8.3        | 11.9  | 16.8  |       | 112 |  |
| 8-10-15                     | 39749 | 7.8        | 10.2  | 14.8  |       | 100 |  |
| 10-10-10                    | 37922 | 10.6       | 10.7  | 9.9   |       | 105 |  |
| 10-10-10                    | 37965 | 10.2       | 10.5  | 10.7  |       | 104 |  |
| 10-10-10                    | 38535 | 10.1       | 9.8   | 8.8*  |       | 97* |  |
| 10-10-10                    | 38581 | 9.7        | 9.8   | 10.2  |       | 98  |  |
| 10-10-10                    | 38592 | 9.3*       | 11.3  | 10.0  |       | 102 |  |
| 10-10-10                    | 38599 | 10.0       | 10.1  | 9.8   |       | 100 |  |
| 10-10-10                    | 38624 | 10.9       | 10.7  | 11.6  |       | 110 |  |
| 10-10-10                    | 38628 | 10.3       | 11.0  | 12.0  |       | 109 |  |
| 10-10-10                    | 38667 | 11.9       | 11.2  | 7.9*  |       | 108 |  |
| 10-10-10                    | 38672 | 8.7*       | 10.2  | 12.1  |       | 100 |  |
| 10-10-10                    | 38828 | 10.9       | 10.7  | 9.2*  |       | 105 |  |
| 10-10-10                    | 38886 | 10.8       | 10.3  | 9.8   |       | 104 |  |
| 10-10-10                    | 39075 | 10.2       | 9.3*  | 10.1  |       | 98  |  |
| 10-10-10                    | 39133 | 10.0       | 10.9  | 10.9  |       | 105 |  |
| 10-10-10                    | 40170 | 10.6       | 9.9   | 9.8   |       | 102 |  |
| 10-10-10                    | 40273 | 10.0       | 10.5  | 9.0*  |       | 100 |  |
| 10-10-10                    | 40292 | 11.0       | 7.8*  | 9.8   |       | 95* |  |
| 12-12-12                    | 38367 | 12.6       | 12.1  | 10.7* |       | 100 |  |
| 12-12-12                    | 38829 | 12.0       | 12.0  | 11.8  |       | 100 |  |
| 12-12-12                    | 39042 | 12.8       | 10.2* | 11.8  |       | 96* |  |
| 12-12-12                    | 39312 | 11.6       | 12.0  | 12.1  |       | 99  |  |
| 12-12-12                    | 39399 | 12.3       | 11.3  | 11.0* |       | 97* |  |
| 19-19-19                    | 40291 | 19.8       | 19.3  | 19.3  |       | 101 |  |
| S.S. BARDSTOWN COOP.        |       | BARDSTOWN  |       |       | KY    |     |  |
| GRADE                       | NUM   | N          | APA   | POT   | XS CL | RV  |  |
| 0-25-24                     | 38701 | 0.0        | 25.6  | 24.5  |       | 100 |  |
| 0-25-25                     | 38848 | 0.0        | 27.8  | 22.4* |       | 102 |  |
| 0-26-25                     | 38697 | 0.0        | 25.7  | 26.6  |       | 99  |  |
| 6-26-25                     | 38698 | 6.4        | 26.7  | 26.0  |       | 101 |  |
| 16-41- 0                    | 38696 | 16.5       | 42.4  | 0.0   |       | 101 |  |
| 17-17-17                    | 38695 | 17.6       | 18.0  | 18.0  |       | 100 |  |
| 17-17-17                    | 38699 | 17.4       | 20.3  | 17.8  |       | 105 |  |
| 18-18-18                    | 39623 | 17.1*      | 18.1  | 18.7  |       | 99  |  |

TABLE 1. (Continued)

| S. S. BOYLE COOP.           |       | DANVILLE          |       |       | KEY   | XS CL | RV |
|-----------------------------|-------|-------------------|-------|-------|-------|-------|----|
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 8-26-6                      | 39942 | 8.6               | 26.7  | 9.7   |       | 102   |    |
| 10-8-13                     | 39940 | 9.1*              | 8.5   | 15.2  |       | 98    |    |
| 14-14-22                    | 39941 | 13.6              | 15.7  | 22.5  |       | 102   |    |
| 20-9-13                     | 39938 | 20.3              | 9.6   | 14.9  |       | 101   |    |
| 21-0-15                     | 39939 | 20.4              | 0.0   | 16.6  |       | 99    |    |
| SS BOWLING GREEN COOP       |       | BOWLING GREEN KY  |       |       | XS CL | RV    |    |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 8-8-8                       | 38136 | 11.4              | 9.8   | 10.8  |       | 119   |    |
| 16-19-18                    | 38749 | 17.3              | 19.1  | 16.4* |       | 98    |    |
| S. S. BRECK COOP.           |       | HARDINSBURG       |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 6-6-6                       | 39121 | 7.4               | 6.0   | 7.7   |       | 112   |    |
| 6-25-25                     | 38015 | 5.8*              | 21.2* | 31.6  |       | 95*   |    |
| 10-26-26                    | 39122 | 11.0              | 26.2  | 25.8  |       | 102   |    |
| 10-26-26                    | 39123 | 10.5              | 26.9  | 25.8  |       | 102   |    |
| S.S. COOP-CALDWELL SERVICE  |       | PRINCETON         |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 0-25-25                     | 39565 | 0.0               | 26.3  | 25.6  |       | 103   |    |
| 5-18-20                     | 38025 | 5.6               | 19.3  | 20.4  |       | 102   |    |
| 9-25-22                     | 39033 | 10.2              | 25.2  | 25.4  |       | 102   |    |
| 17-22-0                     | 39563 | 17.4              | 22.8  | 0.0   |       | 102   |    |
| 20-14-14                    | 39564 | 20.5              | 15.8  | 14.8  |       | 102   |    |
| S. S. CAMPBELLSVILLE COOP.  |       | CAMPBELLSVILLE KY |       |       | XS CL | RV    |    |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 9-8-12                      | 40340 | 9.1*              | 7.9   | 15.8  |       | 101   |    |
| 9-18-27                     | 39465 | 8.6               | 17.4* | 29.5  |       | 99    |    |
| 11-7-11                     | 40341 | 10.0*             | 7.1*  | 16.8  |       | 102   |    |
| 17-17-17                    | 39464 | 18.8              | 18.0  | 16.5* |       | 101   |    |
| 17-17-17                    | 39784 | 17.1              | 18.3  | 18.5  |       | 100   |    |
| S. S. BULLITT COOP.         |       | SHEPHERDSVILLE KY |       |       | XS CL | RV    |    |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 6-25-25                     | 39862 | 6.8               | 27.3  | 23.9* |       | 102   |    |
| 7-14-22                     | 39865 | 7.2               | 15.4  | 23.7  |       | 103   |    |
| 17-17-17                    | 39866 | 17.1              | 18.7  | 19.1  |       | 102   |    |
| 23-11-11                    | 39863 | 23.1              | 12.2  | 12.3  |       | 101   |    |
| S.S. CARLISLE COOP          |       | CARLISLE          |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 11-12-18                    | 40179 | 13.2              | 10.6* | 19.5  |       | 100   |    |
| 25-11-0                     | 40178 | 24.7*             | 12.4  | 0.0   |       | 101   |    |
| S.S. CLARK COOP             |       | WINCHESTER        |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 7-14-22                     | 40007 | 7.5               | 14.2  | 23.5  |       | 100   |    |
| 7-15-21                     | 40008 | 7.5               | 15.4  | 22.0  |       | 101   |    |
| S.S. COOP. CLAY PETROL SVC. |       | CLAY              |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 13-13-13                    | 38068 | 13.8              | 14.0  | 15.1  |       | 106   |    |
| S.S. CYNTHIANA COOP         |       | CYNTHIANA         |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 0-35-11                     | 40357 | 0.0               | 35.6  | 14.0  |       | 103   |    |
| 5-21-21                     | 40125 | 15.1              | 21.7  | 21.4  |       | 127   |    |
| 11-11-17                    | 40132 | 11.5              | 12.3  | 16.7  |       | 100   |    |
| S.S. FLEMINGSBURG COOP      |       | FLEMINGSBURG      |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 5-21-21                     | 39687 | 5.3               | 23.2  | 20.6  |       | 103   |    |
| S.S. GEORGETOWN COOP.       |       | GEORGETOWN        |       |       | KEY   | XS CL | RV |
| GRADE                       | NUM   | N                 | APA   | POT   |       |       |    |
| 16-12-19                    | 40026 | 17.4              | 12.8  | 18.6  |       | 101   |    |

TABLE 1. (Continued)

| S.S. GLASGOW COOP        |       | GLASGOW         |       |       | KY    |     |
|--------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 3-15-15                  | 38049 | 4.0             | 12.6* | 13.4* |       | 98* |
| 6-25-25                  | 38109 | 7.4             | 27.4  | 23.3* |       | 103 |
| 6-25-26                  | 38743 | 6.5             | 25.9  | 26.9  |       | 101 |
| 17-17-17                 | 38742 | 16.5*           | 17.2  | 18.5  |       | 96* |
| S.S. GRAYSON COOP        |       | GRAYSON         |       |       | KY    |     |
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 11- 8-12                 | 40175 | 10.8*           | 7.6*  | 13.5  |       | 95* |
| S. S. GREENVILLE SERVICE |       | GREENVILLE      |       |       | KY    |     |
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 6-18-18                  | 39522 | 6.8             | 19.2  | 21.4  |       | 105 |
| 6-25-25                  | 40040 | 5.0*            | 27.1  | 24.4* |       | 98  |
| 6-25-26                  | 40039 | 6.9             | 27.5  | 23.8* |       | 102 |
| 10- 8-12                 | 40355 | 12.9            | 7.9   | 10.5* |       | 104 |
| 10-30-20                 | 39521 | 9.6             | 30.4  | 20.7  |       | 100 |
| 17-23-15                 | 40354 | 17.5            | 21.6* | 15.4  |       | 97* |
| 18-12-17                 | 40041 | 18.6            | 17.0  | 18.1  |       | 100 |
| 19-15-15                 | 39524 | 19.4            | 18.0  | 14.8* |       | 103 |
| 19-16-15                 | 40042 | 19.0            | 16.9  | 16.1  |       | 100 |
| S.S. HARDIN COOP         |       | ELIZABETHTOWNKY |       |       | KY    |     |
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-25-25                  | 38873 | 0.0             | 26.4  | 25.0  |       | 102 |
| 20-37- 0                 | 38085 | 21.0            | 38.3  | 0.0   |       | 101 |
| S.S. HARRODSBURG COOP    |       | HARRODSBURG     |       |       | KY    |     |
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-22-29                  | 39424 | 0.0             | 24.5  | 26.9* |       | 102 |
| 9-18-27                  | 40010 | 11.0            | 13.2* | 27.7  |       | 92* |
| 14-14-21                 | 40009 | 14.3            | 13.6  | 22.4  |       | 99  |
| 14-14-21                 | 40014 | 14.2            | 13.0* | 22.9  |       | 98  |
| 17-12-18                 | 40012 | 17.4            | 13.0  | 18.0  |       | 101 |
| 27- 0-10                 | 40013 | 28.0            | 0.0   | 9.2*  |       | 100 |
| S.S. HENDERSON COOP      |       | HENDERSON       |       |       | KY    |     |
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-20-20                  | 38072 | 0.0             | 23.7  | 18.6* |       | 107 |
| 0-22-30                  | 39027 | 0.0             | 22.7  | 30.6  |       | 103 |
| 2-13-30                  | 38074 | 3.3             | 20.4  | 20.5* |       | 110 |
| 5-26-25                  | 40015 | 16.5            | 15.0* | 26.8  |       | 100 |
| 9- 9-13                  | 40016 | 8.4*            | 9.7   | 14.4  |       | 99  |
| 9-19-30                  | 39029 | 9.6             | 23.0  | 28.5* |       | 105 |
| 10-26-25                 | 39028 | 10.1            | 27.3  | 24.8  |       | 101 |
| 10-26-26                 | 40017 | 9.3*            | 27.6  | 24.1* |       | 99  |
| S.S. HENRY COOP          |       | EMINENCE        |       |       | KY    |     |
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-26-21                  | 40372 | 0.0             | 30.1  | 17.5* |       | 106 |
| 8-17-27                  | 40025 | 9.4             | 18.8  | 27.6  |       | 103 |
| 9-18-27                  | 40021 | 9.7             | 15.9* | 29.5  |       | 97* |
| 14-14-21                 | 40022 | 12.5*           | 13.8* | 25.5  |       | 98  |
| 15- 4-25                 | 40020 | 15.0            | 5.0   | 23.2* |       | 97* |
| 15-13-19                 | 40024 | 15.9            | 13.1  | 20.2  |       | 99  |
| 22- 3- 7                 | 40023 | 21.1*           | 4.6   | 8.4   |       | 98  |
| 22- 3- 7                 | 40023 | 21.1*           | 4.6   | 8.4   |       | 98  |
| S.S. HOPKINSVILLE COOP   |       | HOPKINSVILLE    |       |       | KY    |     |
| GRADE                    | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-18-18                  | 38064 | 0.0             | 21.6  | 21.8  |       | 116 |
| 0-25-25                  | 39036 | 0.0             | 29.3  | 20.6* |       | 104 |
| 0-30-18                  | 39683 | 0.0             | 31.8  | 20.1  |       | 106 |
| 6-25-25                  | 39892 | 6.6             | 28.2  | 22.1* |       | 101 |

TABLE 1. (Continued)

| S.S. HORSE CAVE COOP   |       | HORSE CAVE   |       |       | KEY | XS CL | RV  |
|------------------------|-------|--------------|-------|-------|-----|-------|-----|
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 5-16-31                | 39560 | 5.9          | 15.7  | 29.9* |     |       | 98  |
| 9-18-27                | 40237 | 9.9          | 15.8* | 29.0  |     |       | 96* |
| 12- 7-11               | 40284 | 12.6         | 7.7   | 11.4  |     |       | 102 |
| 12- 9-22               | 40238 | 10.2*        | 7.2*  | 24.9  |     |       | 89* |
| 16- 7-16               | 40233 | 15.3*        | 7.2   | 17.0  |     |       | 97* |
| S.S. IRVINGTON SERVICE |       | IRVINGTON    |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 12-15-23               | 39634 | 12.4         | 16.5  | 23.3  |     |       | 102 |
| S.S. LAGRANGE COOP     |       | LA GRANGE    |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 13- 9-25               | 40018 | 15.8         | 10.6  | 21.9* |     |       | 105 |
| 16-12-18               | 40019 | 15.2*        | 9.6*  | 22.9  |     |       | 94* |
| S.S. LAWRENCEBURG COOP |       | LAWRENCEBURG |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 0- 6- 9                | 39625 | 0.0          | 6.9   | 8.8*  |     |       | 99  |
| 0-14-40                | 39981 | 0.0          | 16.9  | 38.3* |     |       | 104 |
| 3-39- 0                | 39605 | 4.4          | 38.2  | 0.0   |     |       | 99  |
| 15-10-15               | 40001 | 15.4         | 7.8*  | 18.8  | *   |       | 96* |
| 21- 0-22               | 39980 | 23.0         | 0.0   | 19.8* |     |       | 100 |
| S.S. LEBANON COOP.     |       | LEBANON      |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 6-25-25                | 39929 | 6.5          | 27.2  | 25.9  |     |       | 103 |
| 17-12-18               | 39930 | 16.8         | 12.8  | 19.9  |     |       | 101 |
| 18- 8-14               | 39423 | 20.5         | 10.0  | 11.2* |     |       | 105 |
| 20-10-10               | 39928 | 19.4*        | 11.6  | 10.8  |     |       | 101 |
| 23-11-11               | 39931 | 23.9         | 11.8  | 11.8  |     |       | 101 |
| S. S. LEITCHFIELD COOP |       | LEITCHFIELD  |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 4-19-19                | 38093 | 5.9          | 22.7  | 22.8  |     |       | 116 |
| 6-27-18                | 39547 | 6.8          | 29.5  | 17.7  |     |       | 106 |
| 12-12-12               | 38092 | 15.7         | 17.9  | 13.1  |     |       | 126 |
| 17-17-17               | 39546 | 17.2         | 18.0  | 18.6  |     |       | 100 |
| 17-17-17               | 39548 | 16.5         | 19.3  | 17.0  |     |       | 103 |
| S.S. LEXINGTON COOP    |       | LEXINGTON    |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 17- 9-13               | 39990 | 15.7*        | 11.3  | 15.1  |     |       | 102 |
| 19- 0-22               | 39993 | 17.3*        | 0.0   | 25.4  |     |       | 99  |
| 21- 8- 9               | 39992 | 21.0         | 9.0   | 9.6   |     |       | 101 |
| 26-10- 0               | 39991 | 25.5         | 11.6  | 0.0   |     |       | 101 |
| S.S. LONDON COOP       |       | LONDON       |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 4-39- 0                | 39187 | 7.0          | 36.3* | 0.0   |     |       | 98  |
| 6-26-25                | 39695 | 6.1          | 25.2  | 26.0  |     |       | 97* |
| 17-17-17               | 39690 | 16.8         | 17.0  | 19.7  |     |       | 101 |
| 17-17-17               | 39693 | 16.4*        | 17.3  | 19.0  |     |       | 100 |
| 17-17-17               | 39694 | 17.9         | 17.8  | 16.3* |     |       | 98  |
| 17-17-16               | 39772 | 18.3         | 19.7  | 15.3* |     |       | 103 |
| S.S. MADISONVILLE COOP |       | MADISONVILLE |       |       | KEY | XS CL | RV  |
| GRADE                  | NUM   | N            | APA   | POT   |     |       |     |
| 0-14-39                | 39518 | 0.0          | 16.4  | 37.4* |     |       | 101 |
| 0-16-36                | 38801 | 0.0          | 17.0  | 37.2  |     |       | 101 |
| 0-22-30                | 39517 | 0.0          | 23.4  | 28.0* |     |       | 101 |
| 0-22-30                | 40243 | 0.0          | 22.4  | 30.1  |     |       | 101 |
| 0-22-30                | 40245 | 0.0          | 25.8  | 25.0* |     |       | 104 |
| 6-25-25                | 40244 | 6.4          | 26.0  | 25.9  |     |       | 100 |
| 11-30-20               | 37901 | 12.2         | 31.6  | 19.1* |     |       | 101 |
| 17-11-11               | 39519 | 22.7         | 11.8  | 11.8  |     |       | 115 |

TABLE 1. (Continued)

| S.S. MADISONVILLE COOP       |       | MADISONVILLE KY |       |       |       |     |
|------------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 17-17-17                     | 38802 | 18.5            | 17.7  | 18.0  |       | 102 |
| S.S. MAYSVILLE COOP          |       | MAYSVILLE KY    |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 14-14-14                     | 40297 | 15.7            | 13.8* | 14.7  |       | 101 |
| S.S. MORGANFIELD COOP        |       | MORGANFIELD KY  |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-18-35                      | 38189 | 0.0             | 20.0  | 33.5* |       | 103 |
| 0-20-33                      | 38031 | 0.0             | 19.9  | 33.8  |       | 99  |
| 0-22-17                      | 38154 | 0.0             | 21.0* | 13.0* |       | 88* |
| 0-24-26                      | 38155 | 0.0             | 27.5  | 22.6* |       | 102 |
| S.S. CWENSBORO COOP          |       | CWENSBORO KY    |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 7-17-35                      | 39666 | 6.9             | 19.0  | 35.5  |       | 103 |
| 9-23-30                      | 39667 | 8.3*            | 21.7* | 32.6  |       | 98  |
| 10-27-22                     | 39253 | 11.0            | 28.4  | 21.6  |       | 102 |
| 27- 0-12                     | 38819 | 26.2            | 0.0   | 14.9  |       | 100 |
| S.S. PENDLETON COOP          |       | FALMOUTH KY     |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 9-18-27                      | 40135 | 9.6             | 17.1* | 27.4  |       | 98  |
| 12-13-24                     | 40134 | 12.4            | 13.1  | 26.6  |       | 102 |
| 22-12-12                     | 40133 | 23.0            | 12.1* | 13.1  |       | 99  |
| S. S. COOP--RICHMOND SERVICE |       | RICHMOND KY     |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-25-25                      | 39882 | 0.0             | 27.2  | 22.7* |       | 101 |
| 9-21-13                      | 39492 | 9.7             | 22.9  | 13.5  |       | 103 |
| 17-17-17                     | 39491 | 17.8            | 16.9* | 18.5  |       | 99  |
| 17-17-17                     | 39883 | 18.6            | 19.0  | 15.6* |       | 102 |
| S.S. RUSSELLVILLE COOP       |       | RUSSELLVILLE KY |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 7-14-14                      | 38141 | 9.4             | 16.6  | 18.4  |       | 120 |
| 18-17-17                     | 39832 | 17.2            | 12.8* | 21.9  |       | 92* |
| S. S. COOP. SEBREE SERVICE   |       | SEBREE KY       |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-22-29                      | 39730 | 0.0             | 22.7  | 29.8  |       | 101 |
| 3-22-29                      | 39743 | 3.2             | 19.7* | 33.4  |       | 96* |
| S.S. SHELBYVILLE COOP.       |       | SHELBYVILLE KY  |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 7-18-36                      | 39867 | 7.2             | 18.1  | 37.2  |       | 101 |
| 9-18-27                      | 39868 | 9.2             | 17.2* | 29.0  |       | 100 |
| 14- 6-23                     | 39985 | 12.0*           | 5.8   | 26.0  |       | 94* |
| 16-19-18                     | 38851 | 16.5            | 19.2  | 20.3  |       | 101 |
| 23- 3-14                     | 39613 | 19.7*           | 7.4   | 16.2  |       | 103 |
| 24- 0-17                     | 39612 | 24.1            | 0.0   | 16.0* |       | 97* |
| S.S. SIMPSON COOP            |       | FRANKLIN KY     |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | POT   | XS CL | RV  |
| 5-21-21                      | 40098 | 5.5             | 24.6  | 17.7* |       | 104 |
| 22- 8- 8                     | 38752 | 25.0            | 10.2  | 9.6   |       | 112 |
| S.S. SOMERSET COOP           |       | SOMERSET KY     |       |       |       |     |
| GRADE                        | NUM   | N               | APA   | PCT   | XS CL | RV  |
| 0-26-25                      | 38732 | 0.0             | 25.2* | 25.8  |       | 97* |
| 13-12-13                     | 39248 | 14.4            | 17.1  | 11.3* |       | 112 |
| 14-14-14                     | 39249 | 14.5            | 16.2  | 13.8* |       | 103 |
| 14-14-14                     | 39250 | 15.5            | 14.2  | 14.8  |       | 102 |
| 17-17-17                     | 38730 | 17.2            | 19.8  | 18.0  |       | 103 |
| 17-17-17                     | 38731 | 16.2            | 16.7  | 18.1  |       | 98  |
| 26- 0- 0                     | 40212 | 28.4            | 0.0   | 0.0   |       | 101 |

TABLE 1. (Continued)

|                            |       | ELKTON       |       |       | KEY | XS CL | RV  |
|----------------------------|-------|--------------|-------|-------|-----|-------|-----|
| S.S. COCP-TODD SVC.        | NUM   | N            | APA   | PCT   |     |       |     |
| GRADE                      |       |              |       |       |     |       | 96* |
| 10- 7-11                   | 40090 | 8.7*         | 7.5   | 14.6  |     |       | 94* |
| 18-13-18                   | 40089 | 20.3         | 10.6* | 16.5* |     |       |     |
|                            |       | TAYLORSVILLE |       |       | KEY | XS CL | RV  |
| SPENCER FARM SERVICE       | NUM   | N            | APA   | PCT   |     |       |     |
| GRADE                      |       |              |       |       |     |       | 109 |
| 11-12-15                   | 40183 | 10.9*        | 13.9  | 19.6  |     |       | 101 |
| 12- 9-21                   | 40181 | 9.6*         | 10.5  | 26.1  |     |       |     |
|                            |       | SPRINGFIELD  |       |       | KEY | XS CL | RV  |
| SPRINGFIELD FARM SERVICE   | NUM   | N            | APA   | PCT   |     |       |     |
| GRADE                      |       |              |       |       |     |       | 102 |
| 15-13-20                   | 39584 | 13.9*        | 14.5  | 23.3  |     |       | 100 |
| 17-17-17                   | 39585 | 17.5         | 18.0  | 18.2  |     |       | 99  |
| 17-17-17                   | 39586 | 17.1         | 18.2  | 18.0  |     |       | 97* |
| 22-12-12                   | 39891 | 23.0         | 10.9* | 12.6  |     |       |     |
|                            |       | STANLEY      |       |       | KEY | XS CL | RV  |
| STANLEY CROP SERVICE       | NUM   | N            | APA   | PCT   |     |       |     |
| GRADE                      |       |              |       |       |     |       | 101 |
| 0-23-30                    | 39746 | 0.0          | 23.4  | 29.9  |     |       | 113 |
| 6-16-21                    | 38083 | 7.8          | 18.6  | 23.3  |     |       | 111 |
| 6-17-23                    | 38082 | 8.0          | 19.7  | 24.9  |     |       | 104 |
| 6-24-24                    | 39393 | 7.1          | 24.5  | 24.5  |     |       | 98  |
| 6-24-24                    | 39949 | 5.6          | 22.0* | 26.7  |     |       | 99  |
| 6-26-26                    | 39744 | 6.0          | 24.0* | 29.1  |     |       | 102 |
| 9-18-27                    | 40202 | 8.9          | 19.7  | 25.6* |     |       | 100 |
| 16-12-19                   | 40203 | 16.3         | 12.7  | 18.9  |     |       | 99  |
| 21-11-15                   | 39745 | 20.5         | 10.8  | 17.4  |     |       |     |
|                            |       | GENEVA       |       |       | NY  | XS CL | RV  |
| STERNS NURSERIES INC       | NUM   | N            | APA   | PCT   |     |       |     |
| GRADE                      |       |              |       |       |     |       | 102 |
| 10- 8- 7                   | 37876 | 10.3         | 8.2   | 7.1   |     |       | 111 |
| 30-10-10                   | 37892 | 31.1         | 14.1  | 9.8   |     |       |     |
|                            |       | MT. VERNON   |       |       | KEY | XS CL | RV  |
| STEWART FERTILIZER SERVICE | NUM   | N            | APA   | PCT   |     |       |     |
| GRADE                      |       |              |       |       |     |       | 86* |
| 5-10-15                    | 39221 | 4.4*         | 8.2*  | 13.8* |     |       | 112 |
| 5-10-15                    | 39408 | 6.0          | 11.0  | 16.7  |     |       | 92* |
| 5-10-15                    | 39410 | 4.4*         | 9.0*  | 14.8  |     |       | 111 |
| 5-10-15                    | 39499 | 5.9          | 11.2  | 15.8  |     |       | 94* |
| 5-10-15                    | 39873 | 4.8          | 9.7   | 13.2* |     |       | 99  |
| 5-10-15                    | 39887 | 4.8          | 10.6  | 13.8* |     |       | 100 |
| 5-10-15                    | 39888 | 4.7          | 11.1  | 13.4* |     |       | 104 |
| 5-10-15                    | 40158 | 5.2          | 9.6   | 17.2  |     |       | 84* |
| 5-10-15                    | 39874 | 4.6          | 8.7*  | 11.1* |     |       | 120 |
| 6- 8- 6                    | 40126 | 8.8          | 9.3   | 4.5*  |     |       | 100 |
| 9-18-26                    | 39875 | 9.7          | 18.4  | 26.9  |     |       | 103 |
| 10-10-10                   | 39220 | 9.4          | 10.6  | 11.5  |     |       | 95* |
| 10-10-10                   | 39406 | 9.4          | 9.2*  | 10.4  |     |       | 100 |
| 10-10-10                   | 39409 | 10.0         | 10.0  | 10.3  |     |       | 109 |
| 10-10-10                   | 39498 | 11.0         | 10.9  | 10.8  |     |       | 119 |
| 10-10-10                   | 39872 | 12.6         | 12.4  | 9.8   |     |       | 105 |
| 10-10-10                   | 40030 | 11.5         | 10.6  | 8.4*  |     |       | 91* |
| 10-10-10                   | 39411 | 9.1*         | 8.4*  | 10.6  |     |       | 99  |
| 15-15-15                   | 39407 | 14.9         | 14.2  | 16.0  |     |       |     |
|                            |       | CHICAGO      |       |       | IL  | XS CL | RV  |
| SWIFT AGRI CHEM CORP       | NUM   | N            | APA   | PCT   |     |       |     |
| GRADE                      |       |              |       |       |     |       | 136 |
| 5-10-15                    | 38114 | 6.4          | 15.4  | 17.8  |     |       | 99  |
| 5-10-15                    | 39235 | 4.9          | 9.7   | 15.3  |     |       | 104 |
| 5-10-15                    | 40082 | 5.4          | 10.0  | 16.0  |     |       | 98  |
| 5-20-20                    | 39234 | 5.5          | 18.5* | 20.5  |     |       | 102 |
| 5-20-20                    | 40080 | 5.3          | 20.9  | 18.8* |     |       | 136 |
| 6-10- 4                    | 39093 | 7.3          | 16.3  | 1.8*  |     |       | 107 |
| 6-10- 4                    | 40097 | 6.5          | 10.2  | 5.0   |     |       |     |



TABLE 1. (Continued)

| SWIFT AGRI CHEM CORP |       | CHICAGO     |       | IL    | XS CL | RV  |
|----------------------|-------|-------------|-------|-------|-------|-----|
| GRADE                | NUM   | N           | APA   | POT   |       |     |
| 6-12-12              | 37863 | 7.8         | 16.6  | 13.7  |       | 130 |
| 6-24-24              | 39958 | 6.7         | 26.7  | 23.8  |       | 108 |
| 10- 0- 0             | 37864 | 10.5        | 0.0   | 0.0   |       | 105 |
| 10-10-10             | 39219 | 9.8         | 10.1  | 11.7  |       | 103 |
| 10-10-10             | 39236 | 9.9         | 10.0  | 12.0  |       | 103 |
| 10-10-10             | 40081 | 10.1        | 10.1  | 9.8   |       | 100 |
| 10-10-15             | 39448 | 9.9         | 8.2*  | 17.3  | *     | 97* |
| 15-15-15             | 40222 | 15.2        | 13.1* | 14.7  |       | 95* |
| SWIFT CHEMICAL CO.   |       | COLUMBIA    |       | KY    | XS CL | RV  |
| GRADE                | NUM   | N           | APA   | POT   |       |     |
| 4- 9-15              | 39917 | 5.9         | 6.4*  | 13.5* |       | 88* |
| 5-20-20              | 39156 | 2.7*        | 5.4*  | 28.5  |       | 64* |
| 8- 8- 8              | 39158 | 8.4         | 8.9   | 10.4  |       | 110 |
| 9- 7-10              | 39918 | 10.9        | 7.7   | 15.0  |       | 121 |
| 10-10-10             | 39157 | 11.2        | 8.2*  | 13.4  |       | 104 |
| 28- 0- 0             | 39919 | 27.1        | 0.0   | 0.0   |       | 97  |
| SWIFT CHEMICAL CO.   |       | CUNNINGHAM  |       | KY    | XS CL | RV  |
| GRADE                | NUM   | N           | APA   | POT   |       |     |
| 16- 8- 9             | 39797 | 16.6        | 8.5   | 10.1  |       | 101 |
| SWIFT FARM CENTER    |       | E BERNSTADT |       | KY    | XS CL | RV  |
| GRADE                | NUM   | N           | APA   | POT   |       |     |
| 5-10-15              | 38276 | 4.9         | 10.9  | 14.9  |       | 103 |
| 5-10-15              | 38409 | 7.2         | 6.7*  | 14.8  |       | 94* |
| 5-10-15              | 38533 | 5.7         | 8.5*  | 15.4  |       | 97* |
| 5-10-15              | 38613 | 4.1*        | 11.7  | 14.8  |       | 103 |
| 5-10-15              | 38614 | 3.4*        | 12.1  | 15.0  |       | 102 |
| 5-10-15              | 38615 | 3.6*        | 11.9  | 15.2  |       | 102 |
| 5-10-15              | 38616 | 3.4*        | 11.8  | 15.4  |       | 102 |
| 5-10-15              | 38617 | 5.3         | 10.7  | 14.8  |       | 104 |
| 5-10-15              | 38618 | 3.4*        | 14.1  | 13.1* |       | 107 |
| 5-10-15              | 38620 | 4.2*        | 10.2  | 15.8  |       | 99  |
| 5-10-15              | 38640 | 5.2         | 12.1  | 14.8  |       | 110 |
| 5-10-15              | 39088 | 3.9*        | 12.2  | 14.8  |       | 104 |
| 5-10-15              | 39191 | 3.6*        | 12.1  | 15.8  |       | 105 |
| 5-10-15              | 39194 | 4.9         | 10.8  | 14.9  |       | 103 |
| 5-10-15              | 39195 | 5.7         | 10.0  | 15.5  |       | 104 |
| 5-10-15              | 39493 | 6.1         | 9.8   | 14.8  |       | 103 |
| 5-10-15              | 40031 | 3.8*        | 7.4*  | 16.4  |       | 86* |
| 5-10-15              | 40155 | 5.5         | 7.8*  | 16.9  |       | 96* |
| 5-20-20              | 38642 | 6.2         | 23.2  | 14.1* |       | 104 |
| 5-20-20              | 39055 | 4.6         | 16.9* | 20.9  |       | 91* |
| 5-20-20              | 39189 | 5.0         | 19.9  | 19.7  |       | 99  |
| 5-20-20              | 39692 | 4.3*        | 18.3* | 24.1  |       | 99  |
| 6-12-12              | 38909 | 6.0         | 13.4  | 11.9  |       | 106 |
| 6-12-12              | 39092 | 6.4         | 12.5  | 12.8  |       | 105 |
| 6-12-12              | 39691 | 5.6         | 11.7  | 13.1  |       | 99  |
| 6-12-12              | 40140 | 6.3         | 11.8  | 11.9  |       | 100 |
| 6-12-18              | 38275 | 6.3         | 11.5  | 16.4* |       | 96* |
| 6-12-18              | 38411 | 7.0         | 11.0* | 16.1* |       | 96* |
| 6-12-18              | 39089 | 5.2*        | 13.3  | 17.2  |       | 100 |
| 10-10-10             | 38100 | 7.5*        | 12.1  | 10.2  |       | 99  |
| 10-10-10             | 38277 | 10.6        | 10.9  | 8.7*  |       | 103 |
| 10-10-10             | 38410 | 9.7         | 10.3  | 10.1  |       | 100 |
| 10-10-10             | 38621 | 9.2*        | 9.4   | 10.7  |       | 96* |
| 10-10-10             | 38641 | 10.7        | 10.0  | 10.1  |       | 103 |
| 10-10-10             | 39188 | 10.4        | 11.5  | 10.8  |       | 109 |
| 10-10-10             | 39190 | 9.9         | 8.6*  | 11.0  |       | 96* |

TABLE 1. (Continued)

| SWIFT FARM CENTER              |       | E BERNSTADT KY  |       |       |       |     |
|--------------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 10-10-10                       | 39193 | 9.3*            | 12.9  | 11.0  |       | 111 |
| 10-10-10                       | 39196 | 9.5             | 12.1  | 10.3  |       | 107 |
| 10-10-10                       | 40032 | 10.1            | 8.9*  | 8.6*  |       | 93* |
| 10-10-10                       | 40285 | 9.7             | 10.4  | 8.3*  |       | 97* |
| 10-10-10                       | 39091 | 9.7             | 11.3  | 10.7  |       | 105 |
| 15-15-15                       | 38622 | 14.3            | 22.0  | 15.7  |       | 118 |
| 15-15-15                       | 39090 | 15.2            | 17.0  | 14.8  |       | 105 |
| 18- 6- 6                       | 39434 | 14.8*           | 4.5*  | 5.8*  |       | 78* |
| 28- 0- 0                       | 40386 | 27.8            | 0.0   | 0.0   |       | 99  |
| 33- 0- 0                       | 39197 | 34.0            | 0.0   | 0.0   |       | 103 |
| SWIFT AGRICULTURAL CHEM. CORP. |       | E. ST. LOUIS IL |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 11-37- 0                       | 38905 | 11.2            | 36.3  | 0.0   |       | 99  |
| SWIFT AGRICULTURAL CHEM CORP   |       | HOPKINSVILLE KY |       |       |       |     |
| GRADE                          | NUM   | N               | APA   | POT   | XS CL | RV  |
| 0-20-20                        | 39150 | 0.0             | 20.5  | 20.9  |       | 103 |
| 3-10-30                        | 40094 | 4.0             | 12.1  | 27.2* | *     | 106 |
| 4-16- 4                        | 38412 | 4.3             | 13.4* | 6.1   |       | 94* |
| 4-16- 4                        | 38534 | 4.2             | 13.0* | 6.3   |       | 92* |
| 5-10-15                        | 38623 | 4.6             | 13.0  | 13.6* |       | 109 |
| 5-10-15                        | 38686 | 5.3             | 12.2  | 15.9  |       | 113 |
| 5-10-15                        | 39210 | 6.1             | 8.2*  | 14.8  |       | 97* |
| 5-10-15                        | 39348 | 5.3             | 10.7  | 16.0  | *     | 106 |
| 5-10-15                        | 40074 | 6.4             | 9.1*  | 16.3  |       | 105 |
| 5-10-15                        | 40208 | 5.4             | 9.6   | 15.0  |       | 100 |
| 5-10-15                        | 40409 | 6.9             | 6.4*  | 13.6* |       | 89* |
| 5-20-20                        | 37982 | 4.4*            | 16.6* | 18.6* |       | 86* |
| 5-20-20                        | 38286 | 6.3             | 18.8* | 17.9* |       | 97* |
| 5-20-20                        | 39145 | 4.4*            | 23.5  | 18.3* |       | 106 |
| 5-20-20                        | 39206 | 4.3*            | 17.8* | 19.8  |       | 91* |
| 5-20-20                        | 39211 | 5.8             | 17.6* | 21.6  |       | 98  |
| 5-20-20                        | 39739 | 6.0             | 28.0  | 16.5* |       | 121 |
| 5-20-20                        | 39836 | 4.8             | 20.2  | 21.2  |       | 102 |
| 5-20-20                        | 40088 | 4.7             | 20.3  | 20.0  |       | 100 |
| 5-20-20                        | 40287 | 5.3             | 21.4  | 18.4* |       | 102 |
| 5-20-20                        | 40316 | 4.9             | 23.7  | 19.8  |       | 110 |
| 5-20-20                        | 38123 | 5.1             | 19.2  | 15.7* |       | 92* |
| 5-20-20                        | 38124 | 4.9             | 20.3  | 17.1* |       | 96* |
| 6-12-12                        | 38142 | 5.2*            | 7.9*  | 15.2  |       | 86* |
| 6-12-12                        | 39214 | 5.9             | 15.0  | 12.2  |       | 112 |
| 6-12-18                        | 37903 | 6.9             | 10.4* | 13.6* |       | 89* |
| 6-12-18                        | 39209 | 6.5             | 11.5  | 19.4  | *     | 102 |
| 6-12-18                        | 40087 | 6.5             | 10.7* | 19.9  |       | 101 |
| 6-12-18                        | 40207 | 6.0             | 11.6  | 18.1  |       | 99  |
| 6-24-24                        | 39738 | 6.9             | 27.4  | 22.7* |       | 109 |
| 6-24-24                        | 40310 | 7.3             | 26.3  | 24.4  |       | 109 |
| 6-24-24                        | 38066 | 5.3*            | 22.3* | 25.5  |       | 96* |
| 6-24-24                        | 38817 | 5.6             | 22.3* | 20.8* |       | 91* |
| 6-24-24                        | 39541 | 7.0             | 29.4  | 18.6* |       | 109 |
| 10-10-10                       | 38143 | 8.6*            | 6.3*  | 11.5  |       | 83* |
| 10-10-10                       | 38285 | 9.2*            | 5.8*  | 12.1  |       | 84* |
| 10-10-10                       | 38687 | 10.0            | 10.5  | 13.0  |       | 108 |
| 10-10-10                       | 39205 | 10.5            | 10.3  | 13.2  |       | 109 |
| 10-10-10                       | 39212 | 10.3            | 10.8  | 10.2  |       | 105 |
| 10-10-10                       | 39213 | 10.9            | 11.0  | 10.6  |       | 108 |
| 10-10-10                       | 39347 | 10.9            | 9.0*  | 9.9   |       | 99  |
| 10-10-10                       | 39525 | 10.5            | 9.9   | 9.9   |       | 101 |

TABLE 1. (Continued)

| SWIFT AGRICULTURAL CHEM CORP |       | HOPKINSVILLE KY  |       |       | XS | CL | RV  |
|------------------------------|-------|------------------|-------|-------|----|----|-----|
| GRADE                        | NUM   | N                | APA   | POT   |    |    |     |
| 10-10-10                     | 39837 | 10.2             | 10.0  | 11.1  |    |    | 103 |
| 10-10-10                     | 40206 | 10.3             | 9.1*  | 9.9   |    |    | 97* |
| 10-10-10                     | 40288 | 11.5             | 12.6  | 10.9  |    |    | 119 |
| 10-10-10                     | 38065 | 10.8             | 10.9  | 13.0  |    |    | 113 |
| 10-25-26                     | 39151 | 9.3              | 23.5* | 30.6  |    |    | 98  |
| 15-12-12                     | 38818 | 15.3             | 14.1  | 12.7  |    |    | 104 |
| 15-15-15                     | 39737 | 14.0*            | 18.2  | 16.1  |    |    | 107 |
| 28-0-0                       | 37952 | 28.9             | 0.0   | 0.0   |    |    | 103 |
| SWIFT AGRICULTURAL CHEM CORP |       | RICHMOND KY      |       |       | XS | CL | RV  |
| GRADE                        | NUM   | N                | APA   | POT   |    |    |     |
| 9-18-27                      | 39880 | 7.1*             | 16.0* | 33.0  |    |    | 95* |
| 10-7-4                       | 39881 | 6.5*             | 7.2   | 9.9   |    |    | 93* |
| 18-13-20                     | 39884 | 10.8*            | 10.9* | 32.1  |    |    | 89* |
| SWIFT AGRI CHEM CORP.        |       | UTICA KY         |       |       | XS | CL | RV  |
| GRADE                        | NUM   | N                | APA   | POT   |    |    |     |
| 15-7-11                      | 39674 | 15.4             | 7.5   | 12.0  |    |    | 100 |
| 15-7-12                      | 39508 | 15.7             | 7.8   | 12.6  |    |    | 103 |
| TEATER & CASSITY FARM SER.   |       | NICHOLASVILLE KY |       |       | XS | CL | RV  |
| GRADE                        | NUM   | N                | APA   | POT   |    |    |     |
| 34-0-0                       | 39808 | 35.0             | 0.0   | 0.0   |    |    | 101 |
| TEATER BROS & ELLICTT        |       | DANVILLE KY      |       |       | XS | CL | RV  |
| GRADE                        | NUM   | N                | APA   | POT   |    |    |     |
| 0-20-20                      | 38733 | 0.0              | 16.0* | 20.3  |    |    | 87* |
| 0-20-20                      | 39430 | 0.0              | 20.9  | 18.1* |    |    | 100 |
| 0-20-20                      | 39654 | 0.0              | 19.1  | 18.1* |    |    | 94* |
| 4-16-4                       | 38279 | 4.6              | 14.4* | 4.8   |    |    | 97* |
| 4-16-4                       | 38352 | 4.4              | 15.1* | 4.4   |    |    | 99  |
| 4-16-4                       | 38371 | 4.3              | 16.8  | 4.6   |    |    | 106 |
| 5-10-15                      | 38037 | 5.3              | 10.0  | 12.6* |    |    | 96* |
| 5-10-15                      | 38132 | 5.3              | 9.8   | 13.9* |    |    | 98  |
| 5-10-15                      | 38133 | 4.9              | 8.9*  | 12.8* |    |    | 89* |
| 5-10-15                      | 38488 | 7.8              | 10.8  | 9.9*  |    |    | 105 |
| 5-10-15                      | 38489 | 6.8              | 11.6  | 11.7* |    |    | 108 |
| 5-10-15                      | 38490 | 7.5              | 9.2*  | 12.8* |    |    | 103 |
| 5-10-15                      | 38491 | 5.0              | 9.2*  | 9.0*  |    |    | 83* |
| 5-10-15                      | 38729 | 5.9              | 11.3  | 13.0* |    |    | 105 |
| 5-10-15                      | 38781 | 5.0              | 9.3   | 15.0  |    |    | 97* |
| 5-10-15                      | 38964 | 8.3              | 14.4  | 10.0* |    |    | 123 |
| 5-10-15                      | 39052 | 6.0              | 11.2  | 13.9* |    |    | 107 |
| 5-10-15                      | 39100 | 8.3              | 11.0  | 11.7* |    |    | 112 |
| 5-10-15                      | 39101 | 8.2              | 10.5  | 11.5* |    |    | 108 |
| 5-10-15                      | 39427 | 7.3              | 13.1  | 9.6*  |    |    | 112 |
| 5-10-15                      | 39441 | 5.8              | 10.6  | 13.1* |    |    | 102 |
| 5-10-15                      | 39501 | 4.2*             | 7.6*  | 18.8  |    |    | 94* |
| 5-10-15                      | 39504 | 5.0              | 10.5  | 13.8* |    |    | 99  |
| 5-10-15                      | 39506 | 9.7              | 17.9  | 14.8  |    |    | 155 |
| 5-10-15                      | 39540 | 7.6              | 10.3  | 12.6* |    |    | 107 |
| 5-10-15                      | 39656 | 5.2              | 8.7*  | 11.2* |    |    | 86* |
| 5-10-15                      | 39663 | 5.0              | 9.2*  | 14.8  |    |    | 96* |
| 5-10-15                      | 39934 | 6.4              | 11.4  | 14.4  |    |    | 111 |
| 5-10-15                      | 39943 | 6.7              | 12.5  | 16.6  |    |    | 122 |
| 5-10-15                      | 40127 | 5.5              | 11.3  | 14.8  |    |    | 107 |
| 5-10-15                      | 39935 | 4.0*             | 8.4*  | 13.9* |    |    | 86* |
| 5-20-20                      | 38492 | 7.0              | 24.5  | 14.9* |    |    | 111 |
| 5-20-20                      | 39655 | 4.0*             | 19.6  | 12.6* |    |    | 86* |
| 5-20-20                      | 40362 | 5.7              | 23.2  | 19.8  |    |    | 111 |
| 6-6-18                       | 38485 | 7.6              | 7.8   | 13.2* |    |    | 105 |

TABLE 1. (Continued)

| TEATER BROS & ELLIOTT        |       | CANVILLE       |       | KY    |   | XS CL | RV  |
|------------------------------|-------|----------------|-------|-------|---|-------|-----|
| GRADE                        | NUM   | N              | APA   | POT   |   |       |     |
| 6-12-12                      | 38727 | 7.5            | 15.1  | 11.8  |   |       | 119 |
| 6-12-12                      | 39051 | 7.4            | 13.6  | 10.7* |   |       | 110 |
| 10- 6- 4                     | 38036 | 10.2           | 6.6   | 6.0   |   |       | 110 |
| 10-10-10                     | 37877 | 8.6*           | 8.7*  | 9.9   | * |       | 89* |
| 10-10-10                     | 38280 | 7.9*           | 8.5*  | 9.0*  |   |       | 83* |
| 10-10-10                     | 38370 | 10.1           | 13.3  | 8.5*  |   |       | 111 |
| 10-10-10                     | 38373 | 9.8            | 10.3  | 13.1  |   |       | 106 |
| 10-10-10                     | 38459 | 9.9            | 8.9*  | 11.4  |   |       | 98  |
| 10-10-10                     | 38486 | 11.3           | 10.9  | 8.7*  |   |       | 106 |
| 10-10-10                     | 38487 | 9.3*           | 13.3  | 7.1*  |   |       | 104 |
| 10-10-10                     | 38715 | 9.4            | 9.0*  | 10.6  |   |       | 95* |
| 10-10-10                     | 38716 | 9.4            | 10.8  | 10.7  |   |       | 102 |
| 10-10-10                     | 38728 | 10.4           | 12.1  | 7.7*  |   |       | 105 |
| 10-10-10                     | 38782 | 9.4            | 9.6   | 9.8   |   |       | 95* |
| 10-10-10                     | 38907 | 10.3           | 12.1  | 11.6  |   |       | 113 |
| 10-10-10                     | 39049 | 10.0           | 12.2  | 12.1  |   |       | 113 |
| 10-10-10                     | 39099 | 9.2*           | 9.8   | 10.3  |   |       | 96* |
| 10-10-10                     | 39102 | 6.9*           | 7.9*  | 10.3  |   |       | 80* |
| 10-10-10                     | 39103 | 10.0           | 10.9  | 7.7*  |   |       | 99  |
| 10-10-10                     | 39428 | 10.5           | 9.3   | 11.0  |   |       | 101 |
| 10-10-10                     | 39442 | 9.1*           | 10.5  | 9.9   |   |       | 98  |
| 10-10-10                     | 39500 | 7.5*           | 11.0  | 16.3  |   |       | 106 |
| 10-10-10                     | 39503 | 9.0*           | 9.9   | 8.2*  |   |       | 92* |
| 10-10-10                     | 39600 | 9.9            | 9.8   | 10.6  |   |       | 100 |
| 10-10-10                     | 39659 | 9.0*           | 9.4   | 9.8   |   |       | 93* |
| 10-10-10                     | 39662 | 9.0*           | 10.7  | 10.6  |   |       | 100 |
| 10-10-10                     | 40128 | 10.1           | 10.5  | 17.3  |   |       | 117 |
| 10-10-10                     | 40191 | 10.9           | 11.7  | 11.1  |   |       | 112 |
| 10-10-10                     | 39936 | 9.0*           | 9.6   | 9.0*  |   |       | 93* |
| 10-10-10                     | 39937 | 8.5*           | 9.8   | 9.0*  |   |       | 91* |
| 15-15-15                     | 39429 | 15.8           | 20.7  | 11.8* |   |       | 113 |
| TOBACCO STATES CHEMICAL CO.  |       | LEXINGTON      |       | KY    |   | XS CL | RV  |
| GRADE                        | NUM   | N              | APA   | POT   |   |       |     |
| 7-14- 7                      | 37888 | 6.1*           | 15.1  | 6.3*  |   |       | 99  |
| 7-14- 7                      | 39554 | 7.6            | 15.4  | 7.0   |   |       | 108 |
| TOMPKINSVILLE FERTILIZER CO. |       | TOMPKINSVILLE  |       | KY    |   | XS CL | RV  |
| GRADE                        | NUM   | N              | APA   | POT   |   |       |     |
| 5-20-19                      | 40249 | 7.1            | 24.0  | 19.7  |   |       | 117 |
| 9- 9-12                      | 38053 | 9.6            | 10.1  | 11.3* |   |       | 99  |
| 14-13-13                     | 39020 | 14.3           | 16.3  | 13.2  |   |       | 108 |
| UNION FERTILIZER             |       | MORGANFIELD    |       | KY    |   | XS CL | RV  |
| GRADE                        | NUM   | N              | APA   | POT   |   |       |     |
| 0-20-33                      | 38925 | 0.0            | 23.2  | 31.6* |   |       | 105 |
| 0-21-31                      | 38922 | 0.0            | 20.7* | 34.1  |   |       | 100 |
| 0-22-30                      | 38203 | 0.0            | 21.9  | 31.8  |   |       | 100 |
| 0-23-29                      | 38030 | 0.0            | 24.9  | 28.2  |   |       | 102 |
| 0-23-30                      | 38151 | 0.0            | 21.7* | 32.4  |   |       | 100 |
| 9-23-29                      | 39732 | 10.5           | 27.1  | 23.8* |   |       | 105 |
| USS AGRI-CHEMICAL            |       | ADAIRVILLE     |       | KY    |   | XS CL | RV  |
| GRADE                        | NUM   | N              | APA   | POT   |   |       |     |
| 25-23- 0                     | 38757 | 25.3           | 24.7  | 0.0   |   |       | 102 |
| USS FARM SERVICE CENTER      |       | CAMPBELLSVILLE |       | KY    |   | XS CL | RV  |
| GRADE                        | NUM   | N              | APA   | POT   |   |       |     |
| 13-24-22                     | 38983 | 13.8           | 21.1* | 22.0  |   |       | 94* |
| 17-17-17                     | 39467 | 18.5           | 15.0* | 18.6  |   |       | 96* |

TABLE 1. (Continued)

| USS AGRI-CHEMICALS<br>GRADE | NUM   | FRANKLIN KY     |       |       | XS CL | RV  |
|-----------------------------|-------|-----------------|-------|-------|-------|-----|
|                             |       | N               | APA   | POT   |       |     |
| 5-13-13                     | 38224 | 6.1             | 12.9  | 17.2  |       | 131 |
| 6-26-26                     | 38751 | 5.5*            | 24.7* | 29.8  |       | 99  |
| USS AGRI-CHEMICALS<br>GRADE | NUM   | GUTHRIE KY      |       |       | XS CL | RV  |
|                             |       | N               | APA   | POT   |       |     |
| 12-9-14                     | 4C093 | 10.6*           | 9.8   | 14.1  |       | 97* |
| USS AGRI-CHEMICALS<br>GRADE | NUM   | HARDINBURG KY   |       |       | XS CL | RV  |
|                             |       | N               | APA   | POT   |       |     |
| 4-16-17                     | 38173 | 5.1             | 16.4  | 21.7  |       | 111 |
| 13-13-13                    | 39065 | 16.0            | 11.9* | 12.4* |       | 98  |
| USS AGRI-CHEMICALS<br>GRADE | NUM   | JEFFERSONVILLIN |       |       | XS CL | RV  |
|                             |       | N               | APA   | POT   |       |     |
| 0-44-0                      | 37930 | 0.0             | 44.9  | 0.0   |       | 102 |
| 5-10-5                      | 37925 | 5.8             | 10.2  | 5.9   |       | 108 |
| 5-10-5                      | 38430 | 5.2             | 9.6   | 5.9   |       | 101 |
| 5-10-5                      | 38460 | 5.6             | 10.2  | 7.0   |       | 110 |
| 5-10-5                      | 38666 | 5.6             | 9.5   | 6.4   |       | 104 |
| 5-10-5                      | 38689 | 5.6             | 9.3   | 6.5   |       | 104 |
| 5-10-5                      | 38978 | 5.9             | 9.5   | 5.1   |       | 103 |
| 5-10-5                      | 38996 | 5.1             | 12.2  | 8.5   |       | 123 |
| 5-10-5                      | 40339 | 6.3             | 10.5  | 7.3   |       | 117 |
| 5-10-15                     | 37921 | 5.1             | 8.8*  | 14.2  |       | 94* |
| 5-10-15                     | 38011 | 5.2             | 10.0  | 14.8  |       | 100 |
| 5-10-15                     | 38240 | 5.6             | 10.5  | 15.0  |       | 105 |
| 5-10-15                     | 38272 | 5.3             | 9.9   | 15.9  | *     | 103 |
| 5-10-15                     | 38305 | 5.4             | 10.3  | 14.8  |       | 103 |
| 5-10-15                     | 38331 | 4.9             | 10.2  | 16.0  |       | 103 |
| 5-10-15                     | 38379 | 5.3             | 10.7  | 14.8  |       | 104 |
| 5-10-15                     | 38423 | 4.7             | 10.5  | 15.5  |       | 102 |
| 5-10-15                     | 38456 | 5.6             | 9.9   | 14.9  |       | 102 |
| 5-10-15                     | 38499 | 5.7             | 10.0  | 15.5  |       | 104 |
| 5-10-15                     | 38525 | 5.3             | 9.9   | 14.9  |       | 100 |
| 5-10-15                     | 38541 | 4.8             | 10.0  | 15.6  |       | 100 |
| 5-10-15                     | 38542 | 4.7             | 9.7   | 16.3  |       | 100 |
| 5-10-15                     | 38543 | 5.5             | 10.0  | 14.9  |       | 102 |
| 5-10-15                     | 38549 | 5.6             | 9.7   | 15.9  |       | 103 |
| 5-10-15                     | 38609 | 5.7             | 10.5  | 15.2  |       | 105 |
| 5-10-15                     | 38610 | 5.8             | 10.4  | 15.8  |       | 107 |
| 5-10-15                     | 38625 | 5.3             | 10.0  | 14.8  |       | 101 |
| 5-10-15                     | 38662 | 5.3             | 9.8   | 13.9* |       | 98  |
| 5-10-15                     | 38688 | 4.5             | 10.0  | 15.8  |       | 100 |
| 5-10-15                     | 38774 | 5.5             | 10.2  | 14.7  |       | 103 |
| 5-10-15                     | 38775 | 5.9             | 10.4  | 14.9  |       | 106 |
| 5-10-15                     | 38779 | 5.4             | 9.7   | 15.0  |       | 100 |
| 5-10-15                     | 38854 | 5.0             | 10.6  | 14.8  |       | 102 |
| 5-10-15                     | 38871 | 5.8             | 9.8   | 14.8  |       | 102 |
| 5-10-15                     | 38884 | 5.0             | 9.8   | 15.1  |       | 99  |
| 5-10-15                     | 38948 | 5.8             | 10.0  | 14.8  |       | 103 |
| 5-10-15                     | 38992 | 5.3             | 10.4  | 15.2  |       | 103 |
| 5-10-15                     | 39061 | 6.3             | 9.7   | 13.8* |       | 102 |
| 5-10-15                     | 39071 | 5.3             | 10.9  | 15.0  | *     | 105 |
| 5-10-15                     | 39072 | 5.6             | 9.8   | 16.0  |       | 104 |
| 5-10-15                     | 39136 | 5.2             | 9.9   | 16.0  |       | 103 |
| 5-10-15                     | 39177 | 5.0             | 9.8   | 14.8  |       | 98  |
| 5-10-15                     | 39231 | 5.0             | 10.4  | 14.8  |       | 101 |
| 5-10-15                     | 39266 | 5.3             | 9.6   | 16.0  |       | 102 |
| 5-10-15                     | 39330 | 5.5             | 10.1  | 15.1  |       | 103 |
| 5-10-15                     | 39397 | 5.6             | 9.1*  | 16.0  |       | 101 |

TABLE 1. (Continued)

| USS     | AGPI-CHEMICALS<br>GRADE | NUM | JEFFERSONVILLIN |       |     | XS CL | RV |
|---------|-------------------------|-----|-----------------|-------|-----|-------|----|
|         |                         |     | N               | APA   | PCT |       |    |
| 5-10-15 | 39651                   | 5.2 | 9.9             | 15.5  |     | 101   |    |
| 5-10-15 | 39688                   | 4.9 | 10.5            | 15.2  |     | 102   |    |
| 5-10-15 | 39710                   | 5.4 | 10.2            | 14.8  |     | 102   |    |
| 5-10-15 | 39799                   | 5.7 | 9.9             | 14.8  |     | 102   |    |
| 5-10-15 | 39803                   | 5.8 | 10.0            | 14.8  |     | 103   |    |
| 5-10-15 | 39806                   | 5.4 | 10.0            | 14.8  |     | 101   |    |
| 5-10-15 | 39912                   | 6.0 | 9.1*            | 16.9  | *   | 104   |    |
| 5-10-15 | 39933                   | 5.4 | 10.5            | 14.8  |     | 103   |    |
| 5-10-15 | 40111                   | 5.5 | 9.6             | 16.3  |     | 103   |    |
| 5-10-15 | 40112                   | 5.8 | 10.2            | 14.8  |     | 104   |    |
| 5-10-15 | 40138                   | 5.5 | 9.8             | 15.6  |     | 103   |    |
| 5-10-15 | 40146                   | 5.8 | 10.2            | 14.8  |     | 104   |    |
| 5-10-15 | 40230                   | 6.6 | 10.2            | 14.8  | *   | 108   |    |
| 5-10-15 | 40347                   | 5.3 | 10.1            | 15.4  |     | 103   |    |
| 5-10-15 | 40358                   | 4.9 | 10.7            | 15.4  |     | 103   |    |
| 5-10-15 | 40370                   | 5.4 | 10.0            | 15.5  |     | 103   |    |
| 5-10-15 | 40382                   | 5.3 | 10.2            | 15.9  |     | 104   |    |
| 5-10-15 | 39053                   | 5.2 | 10.0            | 16.5  |     | 104   |    |
| 5-10-15 | 39067                   | 5.1 | 10.0            | 17.0  |     | 105   |    |
| 5-10-15 | 39466                   | 5.4 | 10.1            | 15.5  |     | 104   |    |
| 5-10-30 | 38936                   | 5.9 | 10.8            | 29.9  |     | 105   |    |
| 5-10-30 | 39542                   | 5.7 | 11.0            | 30.0  |     | 105   |    |
| 5-20-20 | 37984                   | 6.4 | 19.1            | 17.3* |     | 98    |    |
| 5-20-20 | 38010                   | 5.9 | 18.8*           | 19.0  |     | 98    |    |
| 5-20-20 | 38306                   | 5.3 | 20.9            | 19.3  |     | 103   |    |
| 5-20-20 | 38381                   | 5.8 | 20.2            | 19.1  |     | 101   |    |
| 5-20-20 | 38452                   | 5.8 | 21.4            | 20.8  |     | 107   |    |
| 5-20-20 | 38455                   | 6.0 | 9.9*            | 14.1* |     | 66*   |    |
| 5-20-20 | 38497                   | 5.9 | 21.2            | 21.3  |     | 108   |    |
| 5-20-20 | 38524                   | 5.2 | 19.4            | 20.9  |     | 100   |    |
| 5-20-20 | 38526                   | 5.0 | 21.6            | 18.9* |     | 103   |    |
| 5-20-20 | 38544                   | 5.5 | 21.1            | 19.8  |     | 104   |    |
| 5-20-20 | 38611                   | 6.1 | 20.0            | 17.9* |     | 100   |    |
| 5-20-20 | 38982                   | 5.2 | 18.9*           | 20.4  |     | 98    |    |
| 5-20-20 | 39062                   | 5.9 | 18.7*           | 18.2* |     | 96*   |    |
| 5-20-20 | 39111                   | 5.6 | 21.2            | 17.9* |     | 102   |    |
| 5-20-20 | 39721                   | 5.8 | 20.5            | 16.7* |     | 99    |    |
| 5-20-20 | 39764                   | 6.0 | 18.4*           | 19.1  |     | 97*   |    |
| 5-20-20 | 39932                   | 5.2 | 20.5            | 20.8  |     | 103   |    |
| 5-20-20 | 40139                   | 5.3 | 19.4            | 22.8  |     | 103   |    |
| 5-20-20 | 40276                   | 6.2 | 19.3            | 19.9  |     | 101   |    |
| 5-20-20 | 40364                   | 4.9 | 20.3            | 20.3  |     | 101   |    |
| 5-20-20 | 40367                   | 5.7 | 21.7            | 20.1  |     | 107   |    |
| 5-20-20 | 38882                   | 6.2 | 18.7*           | 20.8  |     | 101   |    |
| 5-20-20 | 39068                   | 6.3 | 19.1            | 16.7* |     | 96*   |    |
| 6-12-12 | 37983                   | 6.4 | 12.0            | 12.1  |     | 102   |    |
| 6-12-12 | 38384                   | 6.8 | 12.2            | 14.5  |     | 109   |    |
| 6-12-12 | 38554                   | 5.5 | 12.0            | 12.8  |     | 100   |    |
| 6-12-12 | 39601                   | 6.4 | 12.8            | 12.7  |     | 106   |    |
| 6-24-24 | 37872                   | 5.9 | 23.0            | 24.5  |     | 98    |    |
| 6-24-24 | 38216                   | 6.0 | 20.8*           | 26.2  |     | 95*   |    |
| 6-24-24 | 39239                   | 6.0 | 23.1            | 24.1  |     | 98    |    |
| 6-24-24 | 39265                   | 6.8 | 24.3            | 24.0  |     | 102   |    |
| 6-24-24 | 40143                   | 6.1 | 23.1            | 24.9  |     | 99    |    |
| 6-24-24 | 40275                   | 5.8 | 23.2            | 24.1  |     | 98    |    |
| 7-28-28 | 38315                   | 7.1 | 24.2*           | 31.9  |     | 96*   |    |
| 7-28-28 | 38563                   | 8.2 | 29.5            | 25.9* |     | 103   |    |

TABLE 1. (Continued)

| USS AGRICHEMICALS | JEFFERSONVILLIN |      |       |       |          |
|-------------------|-----------------|------|-------|-------|----------|
| GRADE             | NUM             | N    | APA   | POT   | XS CL RV |
| 7-28-28           | 38935           | 7.3  | 26.2* | 30.2  | 99       |
| 7-28-28           | 39543           | 7.4  | 27.4  | 27.9  | 99       |
| 7-28-28           | 39728           | 8.4  | 29.7  | 25.2* | 103      |
| 7-28-28           | 40246           | 8.0  | 26.8  | 28.6  | 100      |
| 7-28-28           | 38237           | 7.7  | 26.8  | 29.8  | 100      |
| 7-28-28           | 39025           | 8.0  | 28.3  | 27.3  | 102      |
| 7-28-28           | 39577           | 7.7  | 28.7  | 26.6* | 101      |
| 8- 8- 8           | 37916           | 8.6  | 8.7   | 8.0   | 106      |
| 10- 6- 4          | 38995           | 10.5 | 8.0   | 6.6   | 121      |
| 10-10-10          | 38788           | 10.0 | 9.6   | 9.1*  | 97*      |
| 10-10-10          | 37873           | 9.7  | 10.0  | 10.9  | 101      |
| 10-10-10          | 38059           | 10.5 | 11.0  | 9.8   | 105      |
| 10-10-10          | 38084           | 10.6 | 10.7  | 10.5  | 106      |
| 10-10-10          | 38217           | 10.2 | 11.0  | 13.2  | 111      |
| 10-10-10          | 38332           | 9.7  | 10.8  | 10.6  | 103      |
| 10-10-10          | 38380           | 10.2 | 11.9  | 11.3  | 111      |
| 10-10-10          | 38422           | 10.3 | 11.6  | 11.8  | 111      |
| 10-10-10          | 38431           | 9.4  | 11.4  | 10.1  | 103      |
| 10-10-10          | 38436           | 9.7  | 8.9*  | 10.2  | 95*      |
| 10-10-10          | 38457           | 9.9  | 11.5  | 11.6  | 109      |
| 10-10-10          | 38484           | 9.4  | 10.5  | 10.8  | 101      |
| 10-10-10          | 38523           | 10.0 | 9.4   | 9.3*  | 96*      |
| 10-10-10          | 38545           | 9.7  | 11.4  | 10.1  | 105      |
| 10-10-10          | 38550           | 9.4  | 9.3*  | 10.6  | 96*      |
| 10-10-10          | 38626           | 9.7  | 9.9   | 11.9  | 102      |
| 10-10-10          | 38634           | 9.9  | 10.4  | 11.6  | 104      |
| 10-10-10          | 38780           | 10.0 | 9.8   | 9.8   | 99       |
| 10-10-10          | 38855           | 9.7  | 9.4   | 10.9  | 98       |
| 10-10-10          | 38872           | 7.7* | 13.9  | 15.7  | 118      |
| 10-10-10          | 38883           | 10.0 | 8.4*  | 11.7  | 97*      |
| 10-10-10          | 38977           | 8.8* | 9.7   | 11.9  | 98       |
| 10-10-10          | 36981           | 10.3 | 11.1  | 10.0  | 105      |
| 10-10-10          | 39015           | 10.0 | 10.1  | 10.3  | 101      |
| 10-10-10          | 39179           | 10.3 | 10.0  | 9.9   | 101      |
| 10-10-10          | 39229           | 9.9  | 9.9   | 10.4  | 100      |
| 10-10-10          | 39270           | 9.4  | 10.3  | 9.8   | 98       |
| 10-10-10          | 39288           | 9.6  | 9.6   | 11.9  | 100      |
| 10-10-10          | 39305           | 9.5  | 8.8*  | 7.9*  | 89*      |
| 10-10-10          | 39581           | 10.2 | 10.9  | 10.8  | 106      |
| 10-10-10          | 39649           | 9.7  | 9.6   | 10.2  | 97*      |
| 10-10-10          | 39689           | 9.8  | 9.5   | 10.2  | 97*      |
| 10-10-10          | 39765           | 10.2 | 10.3  | 11.6  | 105      |
| 10-10-10          | 39767           | 10.3 | 9.9   | 9.9   | 100      |
| 10-10-10          | 39800           | 9.5  | 14.1  | 10.1  | 115      |
| 10-10-10          | 39967           | 10.4 | 10.2  | 9.8   | 102      |
| 10-10-10          | 40110           | 10.4 | 10.5  | 10.1  | 104      |
| 10-10-10          | 40145           | 10.1 | 10.1  | 9.8   | 100      |
| 10-10-10          | 40365           | 10.4 | 10.9  | 9.9   | 105      |
| 10-10-10          | 40369           | 10.3 | 10.2  | 10.0  | 102      |
| 10-10-10          | 40404           | 10.6 | 10.1  | 11.6  | 106      |
| 10-10-10          | 38881           | 10.0 | 10.0  | 9.9   | 100      |
| 10-10-20          | 38665           | 9.8  | 10.1  | 19.8  | 99       |
| 10-10-20          | 39178           | 8.4* | 10.6  | 19.8  | 96*      |
| 10-10-20          | 39709           | 9.9  | 9.9   | 20.0  | 99       |
| 10-10-20          | 40262           | 9.9  | 10.0  | 19.7  | 99       |
| 10-10-20          | 40263           | 9.5  | 9.1*  | 22.4  | 99       |
| 10-10-20          | 39054           | 9.6  | 9.5   | 20.4  | 98       |

TABLE 1. (Continued)

| USS AGRICHEMICALS |       | JEFFERSONVILLIN |       |       |  | XS CL | RV |
|-------------------|-------|-----------------|-------|-------|--|-------|----|
| GRADE             | NUM   | N               | APA   | POT   |  |       |    |
| 12- 4- 8          | 38994 | 13.9            | 4.2   | 8.6   |  | 112   |    |
| 12- 4- 8          | 40329 | 12.1            | 4.3   | 8.7   |  | 103   |    |
| 13-13-13          | 38420 | 9.0*            | 21.4  | 11.2* |  | 111   |    |
| 13-13-13          | 38997 | 13.0            | 12.5  | 12.4  |  | 98    |    |
| 13-13-13          | 39329 | 13.2            | 11.7* | 12.2* |  | 96*   |    |
| 13-13-13          | 40142 | 13.2            | 13.1  | 13.0  |  | 101   |    |
| 14-14-14          | 39727 | 15.5            | 13.9  | 15.0  |  | 105   |    |
| 18-46- 0          | 37929 | 18.8            | 45.7  | 0.0   |  | 101   |    |
| 19- 5- 9          | 40327 | 18.4            | 5.2   | 9.5   |  | 99    |    |
| 25- 5-10          | 40328 | 24.0            | 8.0   | 11.0  |  | 107   |    |
| 28- 0- 0          | 38218 | 28.0            | 0.0   | 0.0   |  | 100   |    |
| 28- 0- 0          | 39066 | 27.3            | 0.0   | 0.0   |  | 97    |    |
| 28- 0- 0          | 39281 | 27.5            | 0.0   | 0.0   |  | 98    |    |
| 28- 0- 0          | 39282 | 27.6            | 0.0   | 0.0   |  | 96    |    |
| 33- 0- 0          | 38040 | 34.4            | 0.0   | 0.0   |  | 103   |    |
| 33- 0- 0          | 38099 | 34.0            | 0.0   | 0.0   |  | 101   |    |
| 33- 0- 0          | 38183 | 34.5            | 0.0   | 0.0   |  | 103   |    |
| 33- 0- 0          | 38184 | 34.7            | 0.0   | 0.0   |  | 103   |    |
| 33- 0- 0          | 38244 | 33.9            | 0.0   | 0.0   |  | 101   |    |
| 33- 0- 0          | 38271 | 34.4            | 0.0   | 0.0   |  | 103   |    |
| 33- 0- 0          | 39002 | 34.0            | 0.0   | 0.0   |  | 101   |    |
| 33- 0- 0          | 39046 | 34.1            | 0.0   | 0.0   |  | 102   |    |
| 33- 0- 0          | 39664 | 33.9            | 0.0   | 0.0   |  | 101   |    |
| USS AGRICHEMICALS |       | NASHVILLE       |       |       |  | XS CL | RV |
| GRADE             | NUM   | N               | APA   | POT   |  |       |    |
| 0- 0-50           | 38437 | 0.0             | 0.0   | 50.2  |  | 100   |    |
| 0- 0-62           | 37971 | 0.0             | 0.0   | 61.1  |  | 99    |    |
| 0- 0-62           | 38007 | 0.0             | 0.0   | 61.3  |  | 99    |    |
| 0- 0-62           | 38221 | 0.0             | 0.0   | 61.6  |  | 99    |    |
| 0-44- 0           | 37960 | 0.0             | 43.9  | 0.0   |  | 100   |    |
| 0-44- 0           | 38006 | 0.0             | 45.1  | 0.0   |  | 102   |    |
| 0-46- 0           | 39024 | 0.0             | 45.0  | 0.0   |  | 98    |    |
| 5-10- 5           | 37878 | 5.0             | 9.9   | 4.8   |  | 99    |    |
| 5-10- 5           | 38162 | 6.0             | 10.0  | 6.7   |  | 110   |    |
| 5-10- 5           | 39041 | 4.6             | 11.1  | 6.0   |  | 107   |    |
| 5-10-15           | 38294 | 5.3             | 10.2  | 14.8  |  | 101   |    |
| 5-10-15           | 38359 | 5.0             | 9.6   | 16.5  |  | 102   |    |
| 5-10-15           | 38570 | 5.0             | 10.4  | 14.8  |  | 101   |    |
| 5-10-15           | 38768 | 5.0             | 10.3  | 14.8  |  | 101   |    |
| 5-10-15           | 38889 | 5.1             | 9.9   | 14.9  |  | 100   |    |
| 5-10-15           | 38942 | 5.1             | 10.7  | 15.6  |  | 105   |    |
| 5-10-15           | 39346 | 5.5             | 10.4  | 14.8  |  | 104   |    |
| 5-10-15           | 39596 | 5.3             | 10.3  | 14.8  |  | 102   |    |
| 5-10-15           | 39627 | 5.4             | 10.3  | 16.0  |  | 105   |    |
| 5-10-15           | 39701 | 5.3             | 10.0  | 15.1  |  | 101   |    |
| 5-10-15           | 40108 | 5.3             | 10.4  | 13.3* |  | 99    |    |
| 5-10-15           | 40109 | 5.3             | 10.2  | 13.9* |  | 99    |    |
| 5-20-20           | 37871 | 5.2             | 20.0  | 19.7  |  | 100   |    |
| 5-20-20           | 38103 | 5.4             | 20.4  | 19.0  |  | 101   |    |
| 5-20-20           | 38252 | 5.1             | 21.7  | 21.0  |  | 106   |    |
| 5-20-20           | 38257 | 5.1             | 20.5  | 19.0  |  | 100   |    |
| 5-20-20           | 38287 | 5.6             | 20.6  | 19.8  |  | 103   |    |
| 5-20-20           | 38677 | 5.4             | 19.8  | 20.0  |  | 100   |    |
| 5-20-20           | 38678 | 5.1             | 19.8  | 20.2  |  | 100   |    |
| 5-20-20           | 38679 | 5.1             | 20.9  | 19.8  |  | 103   |    |
| 5-20-20           | 39153 | 5.2             | 20.5  | 19.8  |  | 102   |    |
| 5-20-20           | 40303 | 5.0             | 19.2  | 19.8  |  | 97*   |    |



TABLE 1. (Continued)

| USS | AGRI-CHEMICALS<br>GRADE | NUM   | NASHVILLE |       | TN    | XS CL | RV  |
|-----|-------------------------|-------|-----------|-------|-------|-------|-----|
|     |                         |       | N         | APA   | POT   |       |     |
|     | 5-20-20                 | 40311 | 5.8       | 19.7  | 20.0  |       | 101 |
|     | 5-20-20                 | 38052 | 5.9       | 20.1  | 18.6* |       | 101 |
|     | 5-20-20                 | 38178 | 5.5       | 21.3  | 19.2  |       | 104 |
|     | 5-20-20                 | 39204 | 4.6       | 18.9* | 21.1  |       | 97* |
|     | 6-12-12                 | 37870 | 6.0       | 12.0  | 12.2  |       | 101 |
|     | 6-12-12                 | 38176 | 5.9       | 12.2  | 13.5  |       | 103 |
|     | 6-12-12                 | 38197 | 6.1       | 12.0  | 12.1  |       | 100 |
|     | 6-12-12                 | 38683 | 6.2       | 12.3  | 12.4  |       | 103 |
|     | 6-12-12                 | 38894 | 6.2       | 12.3  | 13.0  |       | 104 |
|     | 6-12-12                 | 38943 | 6.3       | 12.6  | 12.9  |       | 105 |
|     | 6-12-12                 | 39590 | 6.0       | 11.7  | 12.3  |       | 99  |
|     | 6-12-18                 | 38288 | 6.2       | 12.4  | 17.4  |       | 101 |
|     | 6-12-18                 | 38293 | 5.9       | 12.4  | 17.8  |       | 101 |
|     | 6-12-18                 | 38333 | 6.2       | 12.6  | 17.2  |       | 101 |
|     | 6-12-18                 | 38441 | 6.1       | 11.9  | 18.5  |       | 101 |
|     | 6-12-18                 | 38761 | 5.9       | 12.0  | 17.9  |       | 99  |
|     | 6-12-18                 | 39038 | 6.2       | 12.7  | 17.9  |       | 103 |
|     | 6-12-18                 | 39040 | 6.2       | 12.0  | 18.3  |       | 101 |
|     | 6-12-18                 | 39342 | 6.3       | 12.5  | 17.8  |       | 103 |
|     | 6-12-18                 | 39444 | 6.8       | 12.1  | 17.8  |       | 103 |
|     | 6-12-18                 | 39449 | 5.9       | 12.0  | 17.5  |       | 98  |
|     | 6-12-18                 | 40302 | 5.9       | 11.8  | 17.9  |       | 98  |
|     | 7-28-28                 | 37867 | 8.3       | 31.2  | 23.7* |       | 105 |
|     | 7-28-28                 | 38001 | 8.1       | 31.6  | 23.4* |       | 105 |
|     | 7-28-28                 | 38054 | 8.9       | 30.3  | 24.1* |       | 105 |
|     | 7-28-28                 | 38104 | 8.0       | 29.8  | 24.4* |       | 102 |
|     | 7-28-28                 | 38225 | 7.0       | 25.2* | 30.0  |       | 96* |
|     | 7-28-28                 | 38557 | 8.1       | 28.8  | 27.8  |       | 104 |
|     | 7-28-28                 | 39216 | 7.0       | 27.5  | 28.4  |       | 99  |
|     | 7-28-28                 | 39341 | 7.7       | 27.8  | 28.2  |       | 101 |
|     | 7-28-28                 | 39446 | 7.6       | 27.8  | 28.4  |       | 101 |
|     | 7-28-28                 | 39447 | 8.0       | 28.9  | 27.8  |       | 103 |
|     | 7-28-28                 | 37970 | 7.8       | 28.5  | 26.9  |       | 101 |
|     | 7-28-28                 | 37978 | 8.1       | 29.2  | 26.1* |       | 103 |
|     | 7-28-28                 | 37992 | 7.2       | 26.0* | 30.2  |       | 98  |
|     | 7-28-28                 | 38009 | 8.0       | 29.4  | 25.7* |       | 102 |
|     | 7-28-28                 | 38108 | 7.8       | 27.3  | 27.7  |       | 100 |
|     | 7-28-28                 | 38147 | 7.6       | 26.8  | 29.0  |       | 100 |
|     | 7-28-28                 | 38676 | 8.1       | 29.1  | 26.3* |       | 103 |
|     | 7-28-28                 | 39589 | 8.1       | 28.4  | 26.7* |       | 102 |
|     | 8-24-24                 | 39450 | 8.3       | 22.5* | 22.7* |       | 96* |
|     | 8-32-16                 | 38440 | 9.2       | 33.4  | 17.0  |       | 106 |
|     | 8-32-16                 | 38756 | 8.5       | 31.1  | 15.9  |       | 99  |
|     | 8-32-16                 | 40377 | 10.1      | 34.9  | 13.9* |       | 108 |
|     | 8-32-16                 | 38256 | 8.3       | 32.0  | 15.7  |       | 101 |
|     | 10-10-10                | 37991 | 10.1      | 10.9  | 10.9  |       | 106 |
|     | 10-10-10                | 38000 | 10.0      | 10.3  | 10.2  |       | 101 |
|     | 10-10-10                | 38048 | 9.9       | 11.2  | 10.8  |       | 106 |
|     | 10-10-10                | 38105 | 10.6      | 10.9  | 9.0*  |       | 104 |
|     | 10-10-10                | 38196 | 10.1      | 10.1  | 10.0  |       | 101 |
|     | 10-10-10                | 38866 | 10.3      | 9.9   | 10.5  |       | 102 |
|     | 10-10-10                | 38888 | 10.4      | 10.3  | 10.2  |       | 103 |
|     | 10-10-10                | 38902 | 10.2      | 10.2  | 10.4  |       | 102 |
|     | 10-10-10                | 38941 | 10.3      | 10.9  | 9.8   |       | 104 |
|     | 10-10-10                | 39019 | 10.1      | 10.2  | 10.8  |       | 103 |
|     | 10-10-10                | 39252 | 10.3      | 8.6*  | 10.3  |       | 96* |
|     | 10-10-10                | 39445 | 10.5      | 9.5   | 10.8  |       | 102 |

TABLE 1. (Continued)

| USS AGRI-CHEMICALS          |       | NASHVILLE |       | TN    |  | XS CL | RV  |
|-----------------------------|-------|-----------|-------|-------|--|-------|-----|
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 10-10-10                    | 39626 | 9.4       | 10.8  | 10.9  |  |       | 102 |
| 10-10-10                    | 39628 | 10.0      | 10.4  | 10.6  |  |       | 103 |
| 10-55-10                    | 39700 | 10.5      | 56.5  | 10.9  |  |       | 103 |
| 12- 4- 8                    | 37882 | 11.1*     | 5.1   | 8.0   |  |       | 101 |
| 14-14-14                    | 37868 | 14.8      | 15.7  | 13.7  |  |       | 107 |
| 14-14-14                    | 37999 | 14.3      | 15.3  | 13.6  |  |       | 104 |
| 14-14-14                    | 38042 | 15.0      | 16.0  | 13.6  |  |       | 108 |
| 14-14-14                    | 38295 | 15.0      | 15.2  | 12.7* |  |       | 104 |
| 14-14-14                    | 38438 | 14.9      | 14.0  | 13.2* |  |       | 101 |
| 14-14-14                    | 38566 | 13.4      | 14.3  | 16.8  |  |       | 103 |
| 14-14-14                    | 38806 | 15.1      | 15.0  | 13.0* |  |       | 104 |
| 14-14-14                    | 38890 | 15.6      | 15.7  | 12.3* |  |       | 107 |
| 14-14-14                    | 38891 | 14.0      | 13.8  | 15.7  |  |       | 102 |
| 14-14-14                    | 38895 | 14.3      | 14.2  | 15.1  |  |       | 103 |
| 14-14-14                    | 38906 | 15.0      | 14.9  | 14.5  |  |       | 106 |
| 14-14-14                    | 39588 | 14.7      | 16.3  | 14.3  |  |       | 109 |
| 14-14-14                    | 40220 | 14.2      | 15.4  | 14.3  |  |       | 105 |
| 14-14-14                    | 40305 | 14.6      | 15.4  | 13.3  |  |       | 105 |
| 15-40- 5                    | 38318 | 15.8      | 42.0  | 3.3*  |  |       | 103 |
| 15-40- 5                    | 38439 | 14.9      | 40.4  | 6.7   |  |       | 102 |
| 15-40- 5                    | 38755 | 15.3      | 41.4  | 5.7   |  |       | 104 |
| 15-40- 5                    | 39215 | 15.3      | 41.6  | 5.4   |  |       | 104 |
| 18-46- 0                    | 37963 | 17.6      | 45.9  | 0.0   |  |       | 99  |
| 18-46- 0                    | 37972 | 17.6      | 46.0  | 0.0   |  |       | 99  |
| 18-46- 0                    | 37977 | 17.9      | 45.5  | 0.0   |  |       | 99  |
| 18-46- 0                    | 38739 | 18.0      | 45.8  | 0.0   |  |       | 100 |
| 18-46- 0                    | 39023 | 18.3      | 46.4  | 0.0   |  |       | 101 |
| 32- 0- 0                    | 37951 | 32.2      | 0.0   | 0.0   |  |       | 101 |
| 33- 0- 0                    | 38392 | 34.7      | 0.0   | 0.0   |  |       | 103 |
| 82- 0- 0                    | 38005 | 81.9      | 0.0   | 0.0   |  |       | 100 |
| 82- 0- 0                    | 39825 | 82.0      | 0.0   | 0.0   |  |       | 100 |
| 82- 0- 0                    | 39827 | 82.1      | 0.0   | 0.0   |  |       | 100 |
| USS FARM SERVICE CENTER     |       | UTICA     |       | KY    |  | XS CL | RV  |
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 0-22-31                     | 38014 | 0.0       | 20.6* | 33.1  |  |       | 99  |
| 0-22-31                     | 38236 | 0.0       | 25.4  | 28.2* |  |       | 105 |
| 0-22-31                     | 39896 | 0.0       | 20.5* | 35.2  |  |       | 101 |
| 0-23-31                     | 39575 | 0.0       | 22.1  | 31.5  |  |       | 98  |
| 7-18-37                     | 39576 | 6.2*      | 16.6* | 39.2  |  |       | 96* |
| 9-23-31                     | 39574 | 8.5       | 21.7* | 33.4  |  |       | 99  |
| THE VANCE CO.               |       | CHILHOWIE |       | VA    |  | XS CL | RV  |
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 5-10-10                     | 39314 | 5.3       | 11.2  | 11.0  |  |       | 110 |
| 5-10-15                     | 39900 | 5.5       | 10.7  | 13.3* |  |       | 102 |
| 5-10-15                     | 39901 | 5.5       | 10.5  | 14.9  |  |       | 104 |
| 5-10-15                     | 39902 | 4.9       | 9.5   | 15.5  |  |       | 98  |
| 5-10-15                     | 39903 | 5.6       | 10.1  | 14.8  |  |       | 103 |
| THE VANCE CO.               |       | EWING     |       | VA    |  | XS CL | RV  |
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 5-10-10                     | 38912 | 6.1       | 9.9   | 10.8  |  |       | 107 |
| 5-10-10                     | 40141 | 5.6       | 11.0  | 9.0*  |  |       | 105 |
| VOLUNTARY PURCHASING GROUPS |       | BONHAM    |       | TX    |  | XS CL | RV  |
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 12-41- 8                    | 37893 | 12.4      | 45.2  | 10.9  |  |       | 111 |
| WAPNER FERTILIZER CO        |       | COLUMBIA  |       | KY    |  | XS CL | RV  |
| GRADE                       | NUM   | N         | APA   | POT   |  |       |     |
| 4-18-18                     | 39381 | 5.1       | 19.7  | 20.3  |  |       | 108 |

TABLE 1. (Continued)

| WARNER FERTILIZER CO |       | COLUMBIA |       | KY    |  | XS CL | RV  |
|----------------------|-------|----------|-------|-------|--|-------|-----|
| GRADE                | NUM   | N        | APA   | POT   |  |       |     |
| 4-20-20              | 39154 | 5.2      | 20.0  | 20.0  |  |       | 100 |
| 5-20-20              | 39155 | 5.4      | 20.7  | 20.0  |  |       | 103 |
| 8- 8-12              | 39920 | 10.4     | 9.1   | 12.5  |  |       | 108 |
| 10-10-10             | 39382 | 10.2     | 9.6   | 11.5  |  |       | 102 |
| 10-10-10             | 39432 | 10.1     | 11.1  | 11.6  |  |       | 107 |
| WARNER FERTILIZER CO |       | SOMERSET |       | KY    |  | XS CL | RV  |
| GRADE                | NUM   | N        | APA   | PCT   |  |       |     |
| 0- 0-60              | 39481 | 0.0      | 0.0   | 61.6  |  |       | 103 |
| 0- 0-60              | 39482 | 0.0      | 0.0   | 60.6  |  |       | 101 |
| 0-20-20              | 38312 | 0.0      | 21.2  | 19.7  |  |       | 103 |
| 0-20-20              | 39130 | 0.0      | 20.5  | 21.5  |  |       | 104 |
| 4-19-19              | 38045 | 4.9      | 18.7  | 21.9  |  |       | 101 |
| 4-19-19              | 38825 | 5.2      | 20.0  | 18.9  |  |       | 103 |
| 5-10-15              | 38335 | 5.3      | 10.2  | 14.7  |  |       | 102 |
| 5-10-15              | 38354 | 4.9      | 10.0  | 15.5  |  |       | 101 |
| 5-10-15              | 38793 | 6.0      | 10.5  | 14.8  |  |       | 106 |
| 5-10-15              | 39016 | 4.9      | 10.0  | 16.0  |  |       | 102 |
| 5-10-15              | 39167 | 8.5      | 14.4  | 9.3*  |  |       | 122 |
| 5-10-15              | 40153 | 5.8      | 11.3  | 14.9  |  |       | 109 |
| 5-10-15              | 40193 | 5.4      | 10.3  | 14.1* |  |       | 101 |
| 5-10-15              | 40216 | 8.1      | 11.0  | 8.6*  |  |       | 104 |
| 5-20-20              | 38170 | 6.2      | 22.8  | 16.0* |  |       | 106 |
| 5-20-20              | 38311 | 5.3      | 20.4  | 19.8  |  |       | 102 |
| 5-20-20              | 38334 | 5.8      | 22.2  | 18.3* |  |       | 106 |
| 5-20-20              | 38353 | 5.7      | 21.5  | 18.6* |  |       | 104 |
| 5-20-20              | 38637 | 5.8      | 21.8  | 18.9* |  |       | 106 |
| 5-20-20              | 38794 | 5.6      | 21.7  | 18.1* |  |       | 104 |
| 5-20-20              | 39479 | 4.7      | 18.5* | 20.7  |  |       | 96* |
| 5-20-20              | 39480 | 4.9      | 19.4  | 22.9  |  |       | 102 |
| 5-20-20              | 39478 | 4.5*     | 18.9* | 20.9  |  |       | 96* |
| 6-12-12              | 38193 | 6.5      | 11.8  | 11.8  |  |       | 101 |
| 6-12-12              | 38824 | 6.5      | 12.7  | 11.3  |  |       | 104 |
| 6-12-12              | 38965 | 7.9      | 15.6  | 16.3  |  |       | 132 |
| 6-12-12              | 39602 | 5.8      | 11.5  | 13.4  |  |       | 100 |
| 6-12-18              | 38638 | 6.9      | 12.7  | 17.8  |  |       | 106 |
| 8-12-16              | 38290 | 9.0      | 12.8  | 15.8  |  |       | 106 |
| 10-10-10             | 38171 | 10.5     | 12.4  | 10.2  |  | *     | 112 |
| 10-10-10             | 38194 | 10.9     | 10.5  | 10.7  |  | *     | 107 |
| 10-10-10             | 38230 | 10.8     | 10.8  | 10.9  |  | *     | 108 |
| 10-10-10             | 38636 | 11.9     | 10.6  | 9.2*  |  |       | 108 |
| 10-10-10             | 38706 | 10.6     | 10.6  | 9.9   |  |       | 105 |
| 10-10-10             | 38966 | 11.0     | 10.8  | 8.7*  |  |       | 105 |
| 10-10-10             | 39166 | 11.0     | 11.8  | 10.0  |  |       | 111 |
| 10-10-10             | 39433 | 9.7      | 10.3  | 10.5  |  |       | 101 |
| 10-10-10             | 39968 | 7.2*     | 8.1*  | 11.5  |  |       | 84* |
| 10-10-10             | 40147 | 10.9     | 10.1  | 10.5  |  |       | 105 |
| 10-10-10             | 40154 | 10.6     | 10.1  | 9.9   |  |       | 102 |
| 10-10-10             | 40210 | 10.8     | 10.3  | 12.0  |  |       | 108 |
| 10-10-10             | 40388 | 13.0     | 13.7  | 9.8   |  |       | 126 |
| 10-10-10             | 38823 | 9.9      | 13.4  | 10.2  |  |       | 114 |
| 10-10-10             | 39477 | 5.8*     | 8.2*  | 12.6  |  |       | 85* |
| 10-20-20             | 38097 | 10.6     | 21.5  | 17.8* |  |       | 102 |
| 15-15-15             | 38795 | 15.9     | 14.9  | 13.8* |  |       | 101 |
| 19-19-19             | 39851 | 21.9     | 19.5  | 14.8* |  |       | 103 |
| 28- 0- 0             | 39852 | 27.2     | 0.0   | 0.0   |  |       | 97  |

TABLE 1. (Continued)

| WARNER FERTILIZER CO      |       | RUSSELL SPRNGKY |       |       | XS CL | RV  |
|---------------------------|-------|-----------------|-------|-------|-------|-----|
| GRADE                     | NUM   | N               | APA   | POT   |       |     |
| 0-19-19                   | 39377 | 0.0             | 19.9  | 20.0  |       | 104 |
| 5-20-20                   | 38796 | 5.8             | 16.7* | 22.0  |       | 96* |
| 5-20-20                   | 39003 | 4.5             | 16.8* | 23.2  |       | 94* |
| 5-20-20                   | 39860 | 5.9             | 23.5  | 21.9  |       | 115 |
| 10-10-10                  | 39855 | 12.9            | 9.7   | 11.1  |       | 113 |
| 10-10-10                  | 39856 | 11.4            | 10.1  | 12.6  |       | 111 |
| 10-10-10                  | 39859 | 11.0            | 12.2  | 8.9*  |       | 111 |
| 10-10-10                  | 39861 | 12.4            | 10.6  | 11.7  |       | 115 |
| 15-15-15                  | 38797 | 14.7            | 14.8  | 17.0  |       | 101 |
| 15-15-15                  | 39375 | 11.9*           | 15.9  | 17.0  |       | 97* |
| 15-15-15                  | 39376 | 12.8*           | 14.7  | 17.4  |       | 96* |
| 17-13-13                  | 39858 | 22.0            | 11.0* | 12.6* |       | 102 |
| 28- 0- 0                  | 39857 | 27.7            | 0.0   | 0.0   |       | 99  |
| 42- 0- 0                  | 38798 | 44.5            | 0.0   | 0.0   |       | 105 |
| WARSAW CHEMICAL CO., INC. |       | WARSAW          |       |       | XS CL | RV  |
| GRADE                     | NUM   | N               | APA   | POT   |       |     |
| 10-52- 8                  | 39835 | 10.7            | 53.4  | 6.7*  |       | 102 |
| N B WHEELER & SON         |       | SEDALIA         |       |       | XS CL | RV  |
| GRADE                     | NUM   | N               | APA   | POT   |       |     |
| 18-11-20                  | 39794 | 18.3            | 9.4*  | 22.8  |       | 97* |
| 21-11-15                  | 39795 | 21.0            | 10.1* | 16.8  |       | 98  |
| MR. WIGGS                 |       | CLEVELAND       |       |       | XS CL | RV  |
| GRADE                     | NUM   | N               | APA   | POT   |       |     |
| 10-10-10                  | 39280 | 10.2            | 10.2  | 10.8  |       | 103 |
| WOODFORD FEED CO., INC.   |       | VERSAILLES      |       |       | XS CL | RV  |
| GRADE                     | NUM   | N               | APA   | POT   |       |     |
| 9- 8-12                   | 40000 | 7.8*            | 8.8   | 14.0  |       | 98  |
| 10- 7-11                  | 39999 | 9.0*            | 8.4   | 13.5  |       | 98  |
| 10- 8-12                  | 39976 | 11.4            | 8.5   | 12.3  |       | 106 |
| 14- 6-10                  | 39974 | 13.1*           | 8.2   | 11.9  |       | 105 |
| 14- 8-16                  | 39998 | 14.2            | 8.4   | 17.7  |       | 102 |
| 17- 0-23                  | 39973 | 16.1*           | 0.0   | 26.6  |       | 100 |
| 21- 0-18                  | 39975 | 19.9*           | 0.0   | 20.7  |       | 100 |
| 21- 5- 5                  | 38858 | 21.7            | 6.3   | 5.3   |       | 103 |
| 24- 0-15                  | 39608 | 24.0            | 0.0   | 17.3  |       | 101 |

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<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |     |                               |      |                  |      |
|---|-------------------|-------------------------------------|-----|-------------------------------|------|------------------|------|
|   |                   | N                                   |     | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |      |
|   |                   | AA                                  | CV  | AA                            | CV   | AA               | CV   |
| AG/GRO FERTILIZER COMPANY<br>Winchester, KY |                   |                                     |     |                               |      |                  |      |
| 5-10-15                                     | 9                 | 5.2                                 | 5.4 | 10.2                          | 9.6  | 15.3             | 4.2  |
| ALL GRADES, % OF GUAR.                      |                   | 102.0                               |     | 99.7                          |      | 104.9            |      |
| CV, %                                       |                   | 6.3                                 |     | 8.2                           |      | 6.5              |      |
| NUMBER OF ANALYSES                          |                   | 19                                  |     | 19                            |      | 19               |      |
| AGRICO CHEMICAL COMPANY<br>Tulsa, OK        |                   |                                     |     |                               |      |                  |      |
| -----                                       | --                | --                                  | --  | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                      |                   | 100.1                               |     | 98.9                          |      | 99.8             |      |
| CV, %                                       |                   | 2.1                                 |     | 1.7                           |      | 0.7              |      |
| NUMBER OF ANALYSES                          |                   | 7                                   |     | 3                             |      | 3                |      |
| Cecilia, KY                                 |                   |                                     |     |                               |      |                  |      |
| 5-10-15                                     | 5                 | 5.3                                 | 6.5 | 10.3                          | 9.7  | 14.9             | 6.3  |
| 10-10-10                                    | 7                 | 10.4                                | 9.7 | 10.0                          | 13.6 | 10.3             | 13.2 |
| ALL GRADES, % OF GUAR.                      |                   | 106.8                               |     | 101.6                         |      | 102.4            |      |
| CV, %                                       |                   | 11.7                                |     | 10.3                          |      | 13.8             |      |
| NUMBER OF ANALYSES                          |                   | 25                                  |     | 25                            |      | 24               |      |
| Henderson, KY                               |                   |                                     |     |                               |      |                  |      |
| -----                                       | --                | --                                  | --  | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                      |                   | 100.5                               |     | 101.6                         |      | 103.7            |      |
| CV, %                                       |                   | 9.2                                 |     | 9.5                           |      | 16.0             |      |
| NUMBER OF ANALYSES                          |                   | 11                                  |     | 10                            |      | 8                |      |
| Morganfield, KY                             |                   |                                     |     |                               |      |                  |      |
| -----                                       | --                | --                                  | --  | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                      |                   | 100.3                               |     | 105.1                         |      | 105.1            |      |
| CV, %                                       |                   | 6.7                                 |     | 21.4                          |      | 11.9             |      |
| NUMBER OF ANALYSES                          |                   | 6                                   |     | 11                            |      | 11               |      |
| Owensboro, KY                               |                   |                                     |     |                               |      |                  |      |
| -----                                       | --                | --                                  | --  | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                      |                   | 103.5                               |     | 107.2                         |      | 99.2             |      |
| CV, %                                       |                   | 21.5                                |     | 11.2                          |      | 18.1             |      |
| NUMBER OF ANALYSES                          |                   | 7                                   |     | 10                            |      | 10               |      |
| AMERICAN CYANAMID COMPANY<br>Princeton, NJ  |                   |                                     |     |                               |      |                  |      |
| 34- 0- 0                                    | 5                 | 34.3                                | 0.8 | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                      |                   | 101.4                               |     | 101.3                         |      | --               |      |
| CV, %                                       |                   | 1.6                                 |     | --                            |      | --               |      |
| NUMBER OF ANALYSES                          |                   | 6                                   |     | 1                             |      | --               |      |

TABLE 2. Continued

| GRADE  | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |      |                  |      |
|--|-------------------|-------------------------------------|------|-------------------------------|------|------------------|------|
|  |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |      |
|  |                   | AA                                  | CV   | AA                            | CV   | AA               | CV   |
| BARREN RIVER FERTILIZER COMPANY<br>Glasgow, KY |                   |                                     |      |                               |      |                  |      |
| 5-10-15  | 14                | 5.6                                 | 15.7 | 10.0                          | 15.5 | 15.1             | 23.6 |
| 10-10-10                                       | 12                | 10.4                                | 10.9 | 10.9                          | 15.3 | 9.7              | 21.6 |
| 12-24-24                                       | 5                 | 13.8                                | 12.2 | 24.9                          | 13.2 | 20.7             | 20.6 |
| ALL GRADES, % OF GUAR.                         |                   | 108.4                               |      | 101.4                         |      | 97.5             |      |
| CV, %  |                   | 14.9                                |      | 16.1                          |      | 20.9             |      |
| NUMBER OF ANALYSES                             |                   | 45                                  |      | 44                            |      | 44               |      |
| BURLEY BELT CHEMICAL COMPANY<br>Lexington, KY  |                   |                                     |      |                               |      |                  |      |
| -----  | --                | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                         |                   | 104.3                               |      | 102.7                         |      | 100.2            |      |
| CV, %  |                   | 12.1                                |      | 8.1                           |      | 13.1             |      |
| NUMBER OF ANALYSES                             |                   | 17                                  |      | 15                            |      | 18               |      |
| London, KY                                     |                   |                                     |      |                               |      |                  |      |
| 4-16- 4  | 6                 | 4.4                                 | 6.8  | 15.4                          | 3.0  | 4.3              | 7.3  |
| 5-10-15  | 47                | 5.3                                 | 8.1  | 10.3                          | 2.9  | 15.2             | 3.6  |
| 5-20-20  | 16                | 5.6                                 | 18.8 | 18.4                          | 10.3 | 18.7             | 13.0 |
| 6-12-12  | 14                | 5.9                                 | 13.7 | 11.7                          | 9.1  | 12.2             | 8.0  |
| 10-10-10                                       | 48                | 9.8                                 | 5.6  | 10.4                          | 4.3  | 10.2             | 6.3  |
| 10-10-15                                       | 5                 | 9.3                                 | 2.4  | 9.9                           | 3.4  | 14.9             | 2.6  |
| 12-12-12                                       | 8                 | 11.8                                | 6.7  | 12.0                          | 5.7  | 12.2             | 8.6  |
| ALL GRADES, % OF GUAR.                         |                   | 102.5                               |      | 101.5                         |      | 100.6            |      |
| CV, %  |                   | 10.8                                |      | 7.0                           |      | 7.3              |      |
| NUMBER OF ANALYSES                             |                   | 171                                 |      | 171                           |      | 165              |      |
| Ferguson, KY                                   |                   |                                     |      |                               |      |                  |      |
| 5-10-15  | 5                 | 5.0                                 | 1.7  | 10.4                          | 2.2  | 14.8             | 2.4  |
| 5-20-20  | 8                 | 5.4                                 | 6.7  | 20.0                          | 9.9  | 17.9             | 12.5 |
| 10-10-10                                       | 5                 | 9.7                                 | 4.6  | 10.1                          | 2.3  | 10.3             | 4.4  |
| ALL GRADES, % OF GUAR.                         |                   | 104.6                               |      | 102.0                         |      | 99.3             |      |
| CV, %  |                   | 12.6                                |      | 6.4                           |      | 14.6             |      |
| NUMBER OF ANALYSES                             |                   | 24                                  |      | 25                            |      | 26               |      |
| CAUDILL SEED COMPANY<br>Shelbyville, KY        |                   |                                     |      |                               |      |                  |      |
| -----  | --                | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                         |                   | 108.3                               |      | 92.3                          |      | 107.8            |      |
| CV, %  |                   | 34.4                                |      | 12.6                          |      | 6.1              |      |
| NUMBER OF ANALYSES                             |                   | 8                                   |      | 9                             |      | 10               |      |

TABLE 2. Continued

| GRADE  | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |     |                  |      |
|--|-------------------|-------------------------------------|------|-------------------------------|-----|------------------|------|
|  |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |     | K <sub>2</sub> O |      |
|  |                   | AA                                  | CV   | AA                            | CV  | AA               | CV   |
| CHRISTIAN CO. SUPPLY COMPANY<br>Hopkinsville, KY |                   |                                     |      |                               |     |                  |      |
| -----  | --                | --                                  | --   | --                            | --  | --               | --   |
| ALL GRADES, % OF GUAR.                           |                   | 118.8                               |      | 110.8                         |     | 101.0            |      |
| CV, %  |                   | 24.9                                |      | 14.6                          |     | 23.2             |      |
| NUMBER OF ANALYSES                               |                   | 8                                   |      | 10                            |     | 9                |      |
| CIRCLE O FARM CENTER<br>Sturgis, KY              |                   |                                     |      |                               |     |                  |      |
| -----  | --                | --                                  | --   | --                            | --  | --               | --   |
| ALL GRADES, % OF GUAR.                           |                   | 98.5                                |      | 113.6                         |     | 98.2             |      |
| CV, %  |                   | 8.6                                 |      | 50.1                          |     | 12.4             |      |
| NUMBER OF ANALYSES                               |                   | 10                                  |      | 10                            |     | 6                |      |
| FARMERS CHEMICAL COMPANY<br>Harrison, TN         |                   |                                     |      |                               |     |                  |      |
| 28- 0- 0   | 8                 | 28.1                                | 1.9  | --                            | --  | --               | --   |
| 34- 0- 0   | 7                 | 34.5                                | 0.9  | --                            | --  | --               | --   |
| ALL GRADES, % OF GUAR.                           |                   | 100.9                               |      | --                            |     | --               |      |
| CV, %  |                   | 1.5                                 |      | --                            |     | --               |      |
| NUMBER OF ANALYSES                               |                   | 15                                  |      | --                            |     | --               |      |
| FARMLAND INDUSTRIES<br>Kansas City, MO           |                   |                                     |      |                               |     |                  |      |
| 6-24-24  | 7                 | 6.3                                 | 1.1  | 24.0                          | 0.8 | 24.1             | 1.4  |
| ALL GRADES, % OF GUAR.                           |                   | 104.3                               |      | 100.2                         |     | 101.5            |      |
| CV, %  |                   | 2.1                                 |      | 1.2                           |     | 3.6              |      |
| NUMBER OF ANALYSES                               |                   | 9                                   |      | 8                             |     | 8                |      |
| FEDERAL CHEMICAL COMPANY<br>Louisville, KY       |                   |                                     |      |                               |     |                  |      |
| 4-16-4   | 7                 | 6.1                                 | 25.9 | 16.1                          | 6.7 | 5.9              | 15.8 |
| 5-10-15  | 24                | 5.4                                 | 16.1 | 10.3                          | 9.4 | 15.1             | 4.0  |
| 5-20-20  | 20                | 5.4                                 | 12.2 | 19.4                          | 7.1 | 20.5             | 6.2  |
| 6-12-12  | 9                 | 6.2                                 | 6.1  | 12.7                          | 5.7 | 12.9             | 3.8  |
| 6-24-24  | 7                 | 6.6                                 | 7.7  | 22.6                          | 7.8 | 22.7             | 11.1 |
| 9-10-15  | 6                 | 8.6                                 | 5.8  | 11.0                          | 5.7 | 14.7             | 3.1  |
| 10-10-10   | 44                | 9.8                                 | 6.5  | 10.6                          | 7.1 | 10.8             | 7.6  |
| 12-12-12   | 5                 | 12.0                                | 1.4  | 12.6                          | 2.6 | 12.0             | 7.0  |
| 13-13-13   | 8                 | 12.4                                | 3.6  | 13.7                          | 5.8 | 13.8             | 4.4  |
| ALL GRADES, % OF GUAR.                           |                   | 105.0                               |      | 103.5                         |     | 106.0            |      |
| CV, %  |                   | 17.0                                |      | 8.4                           |     | 12.7             |      |
| NUMBER OF ANALYSES                               |                   | 132                                 |      | 133                           |     | 133              |      |

TABLE 2. Continued

| GRADE                                     | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |      |                  |      |
|---|-------------------|-------------------------------------|------|-------------------------------|------|------------------|------|
|   |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |      |
|   |                   | AA                                  | CV   | AA                            | CV   | AA               | CV   |
| FRASIER SUPPLY COMPANY<br>Glasgow, KY     |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                   | 7                 | 3.9                                 | 34.5 | 8.9                           | 18.4 | 18.2             | 28.7 |
| 5-20-20                                   | 6                 | 5.6                                 | 20.1 | 19.2                          | 6.2  | 20.0             | 12.8 |
| 10-10-10                                  | 16                | 9.4                                 | 12.4 | 9.4                           | 15.0 | 10.5             | 13.0 |
| ALL GRADES, % OF GUAR.                    |                   | 94.5                                |      | 95.1                          |      | 108.6            |      |
| CV, %                                     |                   | 18.7                                |      | 14.5                          |      | 19.3             |      |
| NUMBER OF ANALYSES                        |                   | 45                                  |      | 43                            |      | 42               |      |
| GENE'S AG SUPPLY<br>Sturgis, KY           |                   |                                     |      |                               |      |                  |      |
| -----                                     | --                | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                    |                   | 103.8                               |      | 94.6                          |      | 105.7            |      |
| CV, %                                     |                   | 4.4                                 |      | 8.7                           |      | 14.0             |      |
| NUMBER OF ANALYSES                        |                   | 10                                  |      | 10                            |      | 10               |      |
| GLASGOW FERTILIZER COMPANY<br>Glasgow, KY |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                   | 10                | 5.7                                 | 15.1 | 10.5                          | 9.3  | 14.2             | 17.2 |
| 10-10-10                                  | 6                 | 10.0                                | 9.8  | 9.9                           | 2.4  | 10.8             | 22.6 |
| ALL GRADES, % OF GUAR.                    |                   | 109.0                               |      | 104.0                         |      | 98.0             |      |
| CV, %                                     |                   | 12.8                                |      | 8.0                           |      | 16.8             |      |
| NUMBER OF ANALYSES                        |                   | 34                                  |      | 35                            |      | 33               |      |
| W. R. GRACE & COMPANY<br>Hopkinsville, KY |                   |                                     |      |                               |      |                  |      |
| -----                                     | --                | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                    |                   | 102.5                               |      | 101.4                         |      | 97.3             |      |
| CV, %                                     |                   | 6.1                                 |      | 23.0                          |      | 19.5             |      |
| NUMBER OF ANALYSES                        |                   | 15                                  |      | 14                            |      | 12               |      |
| Memphis, TN                               |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                   | 18                | 5.2                                 | 6.4  | 10.7                          | 6.8  | 15.5             | 5.4  |
| 5-20-20                                   | 9                 | 5.4                                 | 6.9  | 19.9                          | 5.6  | 20.2             | 6.0  |
| 6-24-24                                   | 5                 | 6.2                                 | 15.4 | 22.3                          | 9.9  | 22.4             | 8.5  |
| 10-10-10                                  | 21                | 10.2                                | 5.3  | 10.5                          | 5.3  | 10.7             | 5.3  |
| ALL GRADES, % OF GUAR.                    |                   | 102.6                               |      | 102.7                         |      | 102.7            |      |
| CV, %                                     |                   | 7.7                                 |      | 7.1                           |      | 7.8              |      |
| NUMBER OF ANALYSES                        |                   | 79                                  |      | 73                            |      | 73               |      |
| Nashville, TN                             |                   |                                     |      |                               |      |                  |      |
| 6-24-24                                   | 6                 | 5.8                                 | 3.5  | 22.7                          | 4.9  | 23.0             | 4.4  |
| ALL GRADES, % OF GUAR.                    |                   | 99.8                                |      | 98.9                          |      | 96.4             |      |
| CV, %                                     |                   | 4.7                                 |      | 5.6                           |      | 4.0              |      |
| NUMBER OF ANALYSES                        |                   | 13                                  |      | 16                            |      | 16               |      |



TABLE 2. Continued

| GRADE   | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |      |                  |     |
|---|-------------------|-------------------------------------|------|-------------------------------|------|------------------|-----|
|   |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |     |
|   |                   | AA                                  | CV   | AA                            | CV   | AA               | CV  |
| W. R. GRACE & COMPANY (continued)<br>New Albany, IN |                   |                                     |      |                               |      |                  |     |
| 5-20-20   | 5                 | 5.0                                 | 6.5  | 20.7                          | 2.6  | 20.1             | 4.3 |
| ALL GRADES, % OF GUAR.                              |                   | 102.1                               |      | 101.9                         |      | 102.7            |     |
| CV, %   |                   | 7.5                                 |      | 3.3                           |      | 6.1              |     |
| NUMBER OF ANALYSES                                  |                   | 16                                  |      | 17                            |      | 16               |     |
| GRO-GREEN CHEMICAL COMPANY, INC.<br>Shelbyville, KY |                   |                                     |      |                               |      |                  |     |
| 10-10-10  | 6                 | 9.5                                 | 11.7 | 10.1                          | 25.6 | 10.6             | 8.5 |
| ALL GRADES, % OF GUAR.                              |                   | 109.8                               |      | 102.6                         |      | 106.6            |     |
| CV, %   |                   | 23.3                                |      | 20.8                          |      | 14.5             |     |
| NUMBER OF ANALYSES                                  |                   | 31                                  |      | 33                            |      | 34               |     |
| Lebanon, KY   |                   |                                     |      |                               |      |                  |     |
| -----   | --                | --                                  | --   | --                            | --   | --               | --  |
| ALL GRADES, % OF GUAR.                              |                   | 102.6                               |      | 101.8                         |      | 100.3            |     |
| CV, %   |                   | 14.3                                |      | 23.3                          |      | 11.1             |     |
| NUMBER OF ANALYSES                                  |                   | 9                                   |      | 7                             |      | 7                |     |
| HUTSON CHEMICAL COMPANY<br>Murray, KY               |                   |                                     |      |                               |      |                  |     |
| -----   | --                | --                                  | --   | --                            | --   | --               | --  |
| ALL GRADES, % OF GUAR.                              |                   | 100.1                               |      | 96.8                          |      | 108.8            |     |
| CV, %   |                   | 16.5                                |      | 13.8                          |      | 7.4              |     |
| NUMBER OF ANALYSES                                  |                   | 12                                  |      | 13                            |      | 12               |     |
| KENTUCKY FERTILIZER WORKS<br>Winchester, KY         |                   |                                     |      |                               |      |                  |     |
| 5-10-15   | 7                 | 5.0                                 | 6.5  | 9.8                           | 10.2 | 15.7             | 5.4 |
| ALL GRADES, % OF GUAR.                              |                   | 101.5                               |      | 102.0                         |      | 104.2            |     |
| CV, %   |                   | 10.4                                |      | 14.7                          |      | 15.5             |     |
| NUMBER OF ANALYSES                                  |                   | 22                                  |      | 22                            |      | 22               |     |
| KERR MCGEE CHEMICAL CORP.<br>Oklahoma City, OK      |                   |                                     |      |                               |      |                  |     |
| 18-46-0   | 5                 | 18.2                                | 2.8  | 46.0                          | 2.9  | --               | --  |
| ALL GRADES, % OF GUAR.                              |                   | 100.9                               |      | 100.1                         |      | --               |     |
| CV, %   |                   | 2.8                                 |      | 2.9                           |      | --               |     |
| NUMBER OF ANALYSES                                  |                   | 5                                   |      | 5                             |      |                  |     |

TABLE 2. Continued

| GRADE   | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |      |                  |      |
|---|-------------------|-------------------------------------|------|-------------------------------|------|------------------|------|
|   |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |      |
|   |                   | AA                                  | CV   | AA                            | CV   | AA               | CV   |
| MCCAULEY BROS. SEED COMPANY<br>Versailles, KY |                   |                                     |      |                               |      |                  |      |
| -----   | --                | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                        |                   | 90.3                                |      | 92.3                          |      | 112.9            |      |
| CV, %   |                   | 13.9                                |      | 9.6                           |      | 11.0             |      |
| NUMBER OF ANALYSES                            |                   | 10                                  |      | 5                             |      | 10               |      |
| MILES FARM SUPPLY<br>Owensboro, KY            |                   |                                     |      |                               |      |                  |      |
| -----   | --                | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                        |                   | 103.1                               |      | 101.8                         |      | 108.0            |      |
| CV, %   |                   | 7.7                                 |      | 8.1                           |      | 9.6              |      |
| NUMBER OF ANALYSES                            |                   | 9                                   |      | 12                            |      | 12               |      |
| OHIO VALLEY FERTILIZER, INC.<br>Maysville, KY |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                       | 10                | 6.0                                 | 21.6 | 9.7                           | 7.1  | 14.3             | 13.5 |
| 10-10-10                                      | 5                 | 9.8                                 | 3.5  | 10.9                          | 12.7 | 10.0             | 5.1  |
| ALL GRADES, % OF GUAR.                        |                   | 113.6                               |      | 112.3                         |      | 98.4             |      |
| CV, %   |                   | 19.4                                |      | 20.4                          |      | 11.8             |      |
| NUMBER OF ANALYSES                            |                   | 23                                  |      | 23                            |      | 22               |      |
| POORES FERT. & CHEMICAL, INC.<br>Albany, KY   |                   |                                     |      |                               |      |                  |      |
| 10-10-10                                      | 6                 | 9.8                                 | 5.1  | 9.6                           | 4.9  | 10.8             | 8.3  |
| 10-10-15                                      | 6                 | 9.9                                 | 4.8  | 9.9                           | 6.7  | 16.2             | 8.9  |
| ALL GRADES, % OF GUAR.                        |                   | 97.9                                |      | 98.8                          |      | 110.5            |      |
| CV, %   |                   | 4.3                                 |      | 7.2                           |      | 12.1             |      |
| NUMBER OF ANALYSES                            |                   | 17                                  |      | 16                            |      | 16               |      |
| SMITH-DOUGLASS DIVISION<br>Russellville, KY   |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                       | 6                 | 6.2                                 | 5.7  | 10.7                          | 6.9  | 15.0             | 14.6 |
| 5-20-20                                       | 8                 | 5.6                                 | 25.0 | 19.8                          | 19.5 | 19.3             | 14.3 |
| 6-12-12                                       | 5                 | 7.1                                 | 11.4 | 15.0                          | 10.1 | 12.5             | 9.0  |
| 6-24-24                                       | 28                | 6.3                                 | 6.7  | 22.8                          | 5.7  | 23.7             | 8.3  |
| 10-10-10                                      | 15                | 9.8                                 | 7.3  | 10.7                          | 15.9 | 12.1             | 10.4 |
| ALL GRADES, % OF GUAR.                        |                   | 105.6                               |      | 104.3                         |      | 106.8            |      |
| CV, %   |                   | 14.1                                |      | 14.2                          |      | 21.1             |      |
| NUMBER OF ANALYSES                            |                   | 88                                  |      | 86                            |      | 83               |      |
| SOUTHERN STATES COOP., INC.<br>Baltimore, MD  |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                       | 8                 | 5.4                                 | 3.4  | 10.3                          | 3.9  | 15.4             | 24.9 |
| ALL GRADES, % OF GUAR.                        |                   | 107.2                               |      | 102.8                         |      | 102.5            |      |
| CV, %   |                   | 3.4                                 |      | 3.9                           |      | 2.9              |      |
| NUMBER OF ANALYSES                            |                   | 8                                   |      | 8                             |      | 8                |      |

TABLE 2. Continued

| GRADE   | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |      |                  |      |
|---|-------------------|-------------------------------------|------|-------------------------------|------|------------------|------|
|   |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |      |
|   |                   | AA                                  | CV   | AA                            | CV   | AA               | CV   |
| SOUTHERN STATES COOP., INC. (continued)<br>Richmond, VA |                   |                                     |      |                               |      |                  |      |
| 18-46-0   | 5                 | 18.1                                | 1.5  | 46.3                          | 0.9  | --               | --   |
| ALL GRADES, % OF GUAR.                                  |                   | 100.3                               |      | 102.2                         |      | 102.5            |      |
| CV, %   |                   | 3.8                                 |      | 4.5                           |      | 6.0              |      |
| NUMBER OF ANALYSES                                      |                   | 12                                  |      | 9                             |      | 7                |      |
| Louisville, KY  |                   |                                     |      |                               |      |                  |      |
| 5-10-15   | 31                | 5.5                                 | 6.7  | 10.3                          | 8.6  | 15.4             | 8.4  |
| 5-20-20   | 11                | 5.7                                 | 7.6  | 21.1                          | 4.9  | 19.3             | 9.4  |
| 10-10-10  | 28                | 10.3                                | 7.8  | 10.4                          | 8.8  | 9.9              | 10.2 |
| ALL GRADES, % OF GUAR.                                  |                   | 107.9                               |      | 103.7                         |      | 100.5            |      |
| CV, %   |                   | 7.8                                 |      | 8.6                           |      | 9.3              |      |
| NUMBER OF ANALYSES                                      |                   | 79                                  |      | 79                            |      | 78               |      |
| Russellville, KY  |                   |                                     |      |                               |      |                  |      |
| 4-16-4  | 7                 | 4.3                                 | 6.1  | 16.4                          | 3.2  | 4.5              | 6.4  |
| 5-10-15   | 27                | 5.3                                 | 4.1  | 10.1                          | 5.4  | 15.8             | 6.1  |
| 5-20-20   | 14                | 5.3                                 | 5.9  | 19.7                          | 3.6  | 20.1             | 4.8  |
| 6-12-12   | 8                 | 6.3                                 | 8.7  | 11.9                          | 6.0  | 13.0             | 3.4  |
| 6-24-24   | 10                | 6.1                                 | 5.0  | 24.3                          | 2.8  | 24.1             | 3.8  |
| 10-10-10  | 22                | 10.3                                | 2.8  | 10.0                          | 4.9  | 10.4             | 7.8  |
| 12-12-12  | 6                 | 12.2                                | 1.3  | 11.9                          | 2.5  | 12.6             | 3.1  |
| ALL GRADES, % OF GUAR.                                  |                   | 104.9                               |      | 100.1                         |      | 104.6            |      |
| CV, %   |                   | 5.2                                 |      | 4.6                           |      | 6.4              |      |
| NUMBER OF ANALYSES                                      |                   | 95                                  |      | 95                            |      | 96               |      |
| Winchester, KY  |                   |                                     |      |                               |      |                  |      |
| 5-10-15   | 20                | 5.4                                 | 6.7  | 10.1                          | 6.5  | 15.4             | 5.2  |
| 5-20-20   | 10                | 5.6                                 | 5.6  | 20.1                          | 5.8  | 19.7             | 5.8  |
| 10-10-10  | 17                | 10.3                                | 7.1  | 10.3                          | 8.1  | 10.1             | 11.0 |
| 12-12-12  | 5                 | 12.3                                | 3.9  | 11.5                          | 7.0  | 11.5             | 5.2  |
| ALL GRADES, % OF GUAR.                                  |                   | 106.4                               |      | 102.0                         |      | 101.1            |      |
| CV, %   |                   | 7.0                                 |      | 7.1                           |      | 8.4              |      |
| NUMBER OF ANALYSES                                      |                   | 60                                  |      | 66                            |      | 67               |      |
| STEWART FERTILIZER SERVICE<br>Mt. Vernon, KY            |                   |                                     |      |                               |      |                  |      |
| 5-10-15   | 9                 | 5.0                                 | 12.1 | 9.9                           | 11.4 | 14.4             | 13.3 |
| 10-10-10  | 7                 | 10.4                                | 12.5 | 10.3                          | 12.4 | 10.3             | 9.4  |
| ALL GRADES, % OF GUAR.                                  |                   | 101.8                               |      | 100.5                         |      | 99.6             |      |
| CV, %   |                   | 11.5                                |      | 11.1                          |      | 11.2             |      |
| NUMBER OF ANALYSES                                      |                   | 18                                  |      | 18                            |      | 18               |      |

TABLE 2. Continued

| GRADE                                   | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |      |                  |      |
|---|-------------------|-------------------------------------|------|-------------------------------|------|------------------|------|
|   |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |      |
|   |                   | AA                                  | CV   | AA                            | CV   | AA               | CV   |
| SWIFT AGRI CHEM CORP.<br>Chicago, IL    |                   |                                     |      |                               |      |                  |      |
| -----                                   | --                | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                  |                   | 108.3                               |      | 109.6                         |      | 104.0            |      |
| CV, %                                   |                   | 9.7                                 |      | 22.3                          |      | 18.9             |      |
| NUMBER OF ANALYSES                      |                   | 15                                  |      | 14                            |      | 14               |      |
| East Bernstadt, KY                      |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                 | 18                | 4.7                                 | 23.9 | 10.6                          | 18.4 | 15.2             | 5.3  |
| 10-10-10                                | 12                | 9.7                                 | 8.7  | 10.7                          | 12.6 | 10.0             | 9.6  |
| ALL GRADES, % OF GUAR.                  |                   | 96.5                                |      | 105.2                         |      | 100.2            |      |
| CV, %                                   |                   | 16.5                                |      | 16.2                          |      | 8.6              |      |
| NUMBER OF ANALYSES                      |                   | 46                                  |      | 44                            |      | 44               |      |
| Hopkinsville, KY                        |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                 | 7                 | 5.7                                 | 13.8 | 9.9                           | 23.1 | 15.0             | 7.4  |
| 5-20-20                                 | 12                | 5.1                                 | 12.9 | 20.6                          | 15.5 | 18.7             | 9.7  |
| 6-24-24                                 | 5                 | 6.4                                 | 14.1 | 25.5                          | 12.4 | 22.4             | 12.4 |
| 10-10-10                                | 12                | 10.3                                | 7.6  | 9.7                           | 20.1 | 11.3             | 11.3 |
| ALL GRADES, % OF GUAR.                  |                   | 105.0                               |      | 100.1                         |      | 104.2            |      |
| CV, %                                   |                   | 11.8                                |      | 17.8                          |      | 16.0             |      |
| NUMBER OF ANALYSES                      |                   | 49                                  |      | 49                            |      | 49               |      |
| TEATER BROS. & ELLIOTT<br>Danville, KY  |                   |                                     |      |                               |      |                  |      |
| 5-10-15                                 | 24                | 6.1                                 | 21.7 | 10.4                          | 14.9 | 13.0             | 17.4 |
| 10-10-10                                | 26                | 9.5                                 | 9.1  | 10.5                          | 12.7 | 10.4             | 22.7 |
| ALL GRADES, % OF GUAR.                  |                   | 109.2                               |      | 105.6                         |      | 95.9             |      |
| CV, %                                   |                   | 20.5                                |      | 14.0                          |      | 22.6             |      |
| NUMBER OF ANALYSES                      |                   | 61                                  |      | 64                            |      | 64               |      |
| USS AGRI-CHEMICAL<br>Jeffersonville, IN |                   |                                     |      |                               |      |                  |      |
| 5-10- 5                                 | 8                 | 5.6                                 | 6.8  | 10.1                          | 9.3  | 6.6              | 15.8 |
| 5-10-15                                 | 57                | 5.4                                 | 7.1  | 10.0                          | 3.9  | 15.3             | 4.3  |
| 5-20-20                                 | 23                | 5.7                                 | 7.6  | 19.6                          | 12.0 | 19.2             | 9.9  |
| 6-24-24                                 | 6                 | 6.1                                 | 5.9  | 22.9                          | 5.0  | 24.6             | 3.4  |
| 7-28-28                                 | 9                 | 7.8                                 | 5.6  | 27.5                          | 6.4  | 28.1             | 7.5  |
| 10-10-10                                | 42                | 9.9                                 | 5.3  | 10.4                          | 10.8 | 10.7             | 11.7 |
| 10-10-20                                | 6                 | 9.5                                 | 6.0  | 9.9                           | 5.2  | 20.4             | 5.1  |
| 33- 0- 0                                | 9                 | 34.2                                | 0.9  | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                  |                   | 105.5                               |      | 101.6                         |      | 103.7            |      |
| CV, %                                   |                   | 8.6                                 |      | 10.5                          |      | 11.2             |      |
| NUMBER OF ANALYSES                      |                   | 181                                 |      | 169                           |      | 167              |      |

TABLE 2. Continued

| GRADE  | NUMBER<br>SAMPLES | ANALYTICAL AND STATISTICAL FINDINGS |      |                               |      |                  |      |
|--|-------------------|-------------------------------------|------|-------------------------------|------|------------------|------|
|  |                   | N                                   |      | P <sub>2</sub> O <sub>5</sub> |      | K <sub>2</sub> O |      |
|  |                   | AA                                  | CV   | AA                            | CV   | AA               | CV   |
| USS AGRI-CHEMICAL (continued)<br>Nashville, TN |                   |                                     |      |                               |      |                  |      |
| 5-10-15  | 12                | 5.2                                 | 3.2  | 10.2                          | 2.8  | 14.9             | 5.7  |
| 5-20-20  | 14                | 5.3                                 | 6.5  | 20.2                          | 3.8  | 19.8             | 3.6  |
| 6-12-12  | 7                 | 6.1                                 | 2.3  | 12.2                          | 2.4  | 12.6             | 4.1  |
| 6-12-18  | 11                | 6.1                                 | 4.3  | 12.2                          | 2.5  | 17.8             | 2.1  |
| 7-28-28  | 18                | 7.9                                 | 5.9  | 28.5                          | 5.8  | 26.9             | 7.7  |
| 10-10-10                                       | 14                | 10.2                                | 2.9  | 10.3                          | 6.5  | 10.4             | 5.1  |
| 14-14-14                                       | 14                | 14.6                                | 3.8  | 15.1                          | 5.1  | 14.0             | 8.7  |
| 18-46-0  | 5                 | 17.9                                | 1.6  | 45.9                          | 0.7  | --               | --   |
| ALL GRADES, % OF GUAR.                         |                   | 104.8                               |      | 102.8                         |      | 100.5            |      |
| CV, %  |                   | 6.2                                 |      | 5.3                           |      | 8.6              |      |
| NUMBER OF ANALYSES                             |                   | 114                                 |      | 112                           |      | 108              |      |
| WARNER FERTILIZER COMPANY<br>Somerset, KY      |                   |                                     |      |                               |      |                  |      |
| 5-10-15  | 8                 | 6.1                                 | 23.0 | 11.0                          | 13.4 | 13.5             | 21.2 |
| 5-20-20  | 9                 | 5.4                                 | 10.7 | 20.8                          | 7.4  | 19.4             | 10.3 |
| 10-10-10                                       | 15                | 10.4                                | 15.1 | 10.8                          | 14.5 | 10.4             | 9.7  |
| ALL GRADES, % OF GUAR.                         |                   | 110.3                               |      | 106.5                         |      | 99.5             |      |
| CV, %  |                   | 16.0                                |      | 11.4                          |      | 13.6             |      |
| NUMBER OF ANALYSES                             |                   | 44                                  |      | 45                            |      | 47               |      |
| Russell Springs, KY                            |                   |                                     |      |                               |      |                  |      |
| -----  |                   | --                                  | --   | --                            | --   | --               | --   |
| ALL GRADES, % OF GUAR.                         |                   | 107.5                               |      | 100.3                         |      | 110.3            |      |
| CV, %  |                   | 15.2                                |      | 12.3                          |      | 8.8              |      |
| NUMBER OF ANALYSES                             |                   | 13                                  |      | 12                            |      | 12               |      |

TABLE 3. RESULTS OF THE ANALYSES OF CERTAIN OFFICIAL FERTILIZER SAMPLES FOR SECONDARY AND MINOR ELEMENTS AND FOR ORGANIC NITROGEN. Deficiencies are indicated with an asterisk "\*" and misbranding with an "M".

| COMPANY   | SAMPLE NUMBER | GRADE                                      | ELEMENT  | GUARANTEED, % | FOUND, % |       |      |
|---|---------------|--|----------|---------------|----------|-------|------|
| AGRI-CHEMICAL INC.<br>Hopkinsville, KY          | 40196         | 0-23-27                                    | Cu       | 0.045         | 0.01*    |       |      |
|   |               |  | Fe       | 0.09          | 2.80M    |       |      |
|   |               |  | Mn       | 0.11          | 0.12     |       |      |
|   |               |  | Zn       | 0.17          | 0.16     |       |      |
|   | 39148         | 11-28-18                                   | B        | 1.32          | 1.43     |       |      |
| 39678   | 19-11-21      | Mg   | 1.28     | 1.52          |          |       |      |
| AGRICO CHEMICAL CO.<br>Horse Cave, KY           | 39468         | 8-21-26                                    | B        | 0.43          | 1.23M    |       |      |
| JAMES C. BAILEY<br>Mayfield, KY                 | 40066         | 13-10-10                                   | Zn       | 0.04          | 0.04     |       |      |
| BARREN RIVER FERT. CO.<br>Glasgow, KY           | 39489         | 5-10-15                                    | Mg       | 0.50          | 0.66     |       |      |
|   | 39706         | 5-10-15                                    | Mg       | 0.50          | 0.47     |       |      |
| OTIS BRYANT & SON MILLING CO.<br>Caneyville, KY | 40384         | 10-25-25                                   | B        | 0.19          | 0.19     |       |      |
| BURLEY BELT CHEMICAL CO.<br>Lexington, KY       | 39603         | 16- 0-19                                   | Cu       | 0.13          | 0.11     |       |      |
|   |               |  | Zn       | 0.19          | 0.29     |       |      |
|   | London, KY    | 39192                                      | 0-20-20  | B             | 0.57     | 0.33* |      |
|   |               | 39276                                      | 6-12-18  | Mg            | 2.0      | 1.04* |      |
|   |               | 38417                                      | 6-12-18  | Mg            | 2.0      | 0.78* |      |
|   |               | 40033                                      | 7- 0- 0  | N             | 7.0      | 7.4   |      |
|   |               | 38950                                      | 7- 0- 0  | N             | 7.0      | 6.4*  |      |
|   |               | 39915                                      | 7- 0- 0  | N             | 7.0      | 7.9   |      |
|   |               | 39291                                      | 7- 0- 0  | N             | 7.0      | 6.5   |      |
|   |               | 39497                                      | 10- 0-20 | Cu            | 0.06     | 0.06  |      |
|   |               |  |          | Zn            | 0.09     | 0.04* |      |
|   |               | Ferguson, KY                               | 39094    | 5-20-20       | B        | 0.57  | 0.65 |
|   |               |  | 39097    | 8- 8- 8       | Zn       | 4.00  | 4.50 |
|   |               | CAUDILL SEED COMPANY<br>Shelbyville, KY    | 39615    | 10- 0-43      | B        | 0.75  | 0.73 |
|   |               | FEDERAL CHEMICAL COMPANY<br>Louisville, KY | 39039    | 4-16- 4       | Mg       | 0.50  | 0.64 |
| Cu  | 0.05          |  |          |               | 0.05     |       |      |
| Zn  | 0.05          |  |          |               | 0.07     |       |      |
| 38887   | 4-16- 4       |  | Mg       | 0.50          | 0.63     |       |      |
|   |               |  | Cu       | 0.05          | 0.06     |       |      |
|   |               |  | Zn       | 0.05          | 0.07     |       |      |
| 38735   | 4-16- 4       |  | Mg       | 0.50          | 0.70     |       |      |
|   |               |  | Cu       | 0.05          | 0.06     |       |      |
|   |               |  | Zn       | 0.05          | 2.75M    |       |      |
| 38509   | 4-16- 4       |  | Mg       | 0.50          | 0.04     |       |      |
|   |               |  | Cu       | 0.05          | 0.08     |       |      |
|   |               |  | Zn       | 0.05          | 2.82M    |       |      |
| 38505   | 4-16- 4       |  | Mg       | 0.50          | 0.05     |       |      |
|   |               |  | Cu       | 0.05          | 0.05     |       |      |
|   |               |  | Zn       | 0.05          | 0.07     |       |      |
| 38388   | 4-16- 4       | Mg   | 0.50     | 0.60          |          |       |      |
|   |               | Cu   | 0.05     | 0.05          |          |       |      |
|   |               | Zn   | 0.05     | 0.06          |          |       |      |
| 38387   | 10-10-15      | Mg   | 1.50     | 1.74          |          |       |      |
|   |               | Cu   | 0.05     | 0.04          |          |       |      |
|   |               | Zn   | 0.05     | 0.03*         |          |       |      |

TABLE 3. Continued

| COMPANY   | SAMPLE NUMBER                             | GRADE   | ELEMENT                   | GUARANTEED, %                        | FOUND, %                                 |
|---|---|---|---------------------------|--------------------------------------|--|
| FEDERAL CHEMICAL COMPANY<br>Louisville, KY<br>(Continued) | 39035                                     | 10-10-15  | Mg<br>Cu<br>Zn            | 1.50<br>0.05<br>0.05                 | 1.74<br>0.04<br>0.04                     |
| FRASIER SUPPLY CO.<br>Glasgow, KY                         | 39056<br>40106                            | 0-20-20<br>6-12-18                                  | B<br>Mg<br>Cu<br>Fe<br>Zn | 0.38<br>2.00<br>0.05<br>0.10<br>0.05 | 0.35<br>0.51*<br>0.00*<br>1.51M<br>0.01* |
| GLASGOW FERTILIZER CO.<br>Glasgow, KY                     | 38394<br>39909                            | 5-10-15<br>10- 0- 0                                 | Mg<br>N                   | 1.00<br>10.0                         | 2.21M<br>10.9                            |
| W. R. GRACE & CO.<br>Hopkinsville, KY                     | 39343                                     | 6-38- 6   | Mg<br>Mn<br>Zn            | 0.50<br>0.50<br>1.50                 | 0.52<br>0.88<br>1.32                     |
| Memphis, TN   | 39824                                     | 6-38- 6   | Mg<br>Mn<br>Zn            | 0.50<br>0.50<br>1.50                 | 0.40*<br>0.71<br>0.89*                   |
|   | 39256<br>39137                            | 10- 0- 0<br>10- 0- 0                                | N<br>N                    | 10.0<br>10.0                         | 10.5<br>10.9                             |
| ORO-GREEN CHEMICAL CO.<br>Shelbyville, KY                 | 39620<br>38791<br>38520<br>39611<br>39610 | 4-19-19<br>8-12-15<br>8-12-15<br>8-24-10<br>8-24-10 | B<br>Mg<br>Mg<br>Mg<br>Mg | 0.79<br>2.00<br>2.00<br>1.00<br>1.00 | 1.38<br>4.96M<br>3.56<br>2.72M<br>1.95   |
| JOHNSON CITY CHEMICAL CO.<br>Johnson City, TN             | 38564<br>39488                            | 7- 0- 0<br>7- 0- 0                                  | N<br>WIN<br>N             | 7.0<br>5.6<br>7.0                    | 7.3<br>5.8<br>7.0                        |
| MERR-MCGEE FARM CENTER<br>Pembroke, KY                    | 40204                                     | 10-26-23  | Cu<br>Fe<br>Mn<br>Zn      | 0.08<br>0.31<br>0.23<br>0.77         | 0.11<br>3.06M<br>0.23<br>0.68            |
| S. S. KRESGE CO.<br>Troy, MI                              | 39971                                     | 23- 7- 7  | Fe                        | 0.40                                 | 0.60                                     |
| LINCOLN FARM SERVICE<br>Stanford, KY                      | 38595                                     | 0-17-35   | B                         | 0.33                                 | 0.23*                                    |
| MCCAULEY BROS. SEED CO.<br>Versailles, KY                 | 38840                                     | 14- 0-16  | Cu<br>Zn                  | 0.11<br>0.16                         | 0.92M<br>0.10*                           |
| MONSANTO AGRI CENTER<br>Slaughters, KY                    | 39513                                     | 14-36- 9  | Cu<br>Mn<br>Zn            | 0.10<br>0.30<br>0.60                 | 0.07*<br>0.26<br>1.26M                   |
| NORTH AMERICAN FERT. CO.<br>Louisville, KY                | 38474<br>40217                            | 3-13-39<br>3-13-39                                  | Mg<br>Mg                  | 1.20<br>1.20                         | 1.12<br>3.01M                            |

TABLE 3. Continued

| COMPANY                                 | SAMPLE NUMBER | GRADE   | ELEMENT | GUARANTEED, % | FOUND, % |
|---|---------------|---------|---------|---------------|----------|
| SEWERAGE COMMISSION<br>Milwaukee, WI    | 39267         | 6- 2- 0 | N       | 6.0           | 7.0      |
|   | 39801         | 6- 2- 0 | Fe      | 4.50          | 4.62     |
|   | 39802         | 6- 2- 0 | Fe      | 4.50          | 4.38     |
| SEYMOUR CHEMICAL CO.<br>Seymour, IN     | 39284         | 6-24-24 | Mg      | 1.00          | 1.22     |
|   |               |         | Zn      | 1.00          | 0.60*    |
| SMITH-DOUGLASS DIV.<br>Russellville, KY | 39457         | 0-10-30 | B       | 0.56          | 0.75     |
|   | 40043         | 5-20-20 | Mg      | 0.50          | 0.12*    |
|   |               |         | Fe      | 0.10          | 0.44M    |
|   |               |         | Mn      | 0.05          | 0.08     |
|   |               |         | Zn      | 0.05          | 0.07     |
|   | 39831         | 6-12-18 | Mg      | 0.50          | 0.20*    |
|   |               |         | Fe      | 0.10          | 0.39M    |
|   |               |         | Mn      | 0.05          | 0.12M    |
|   | 40091         | 6-12-18 | Zn      | 0.05          | 0.09     |
|   |               |         | Mg      | 0.50          | 0.23*    |
|   |               |         | Fe      | 0.10          | 0.38M    |
|   | 40312         | 6-12-18 | Mn      | 0.05          | 0.11M    |
|   |               |         | Zn      | 0.05          | 0.08     |
|   |               |         | Mg      | 0.50          | 0.31*    |
|   | 40344         | 6-12-18 | Mn      | 0.05          | 0.14M    |
|   |               |         | Zn      | 0.05          | 0.09     |
|   |               |         | Mg      | 0.50          | 0.29*    |
|   | 40378         | 6-21-18 | Mn      | 0.05          | 0.06     |
|   |               |         | Zn      | 0.05          | 0.06     |
|   |               |         | Mg      | 0.50          | 0.19*    |
|   | 40306         | 6-24-24 | Mn      | 0.05          | 0.26M    |
|   |               |         | Zn      | 0.05          | 0.51M    |
|   |               |         | Mg      | 0.50          | 0.17*    |
|   | 39951         | 6-24-24 | Mn      | 0.05          | 0.05     |
|   |               |         | Zn      | 0.05          | 0.08     |
|   |               |         | Mg      | 0.50          | 0.17*    |
|   | 40096         | 6-24-24 | Fe      | 0.10          | 0.58M    |
|   |               |         | Mn      | 0.05          | 0.08     |
|   |               |         | Zn      | 0.05          | 0.28*    |
|   | 39338         | 6-24-24 | Mg      | 0.50          | 0.20*    |
|   |               |         | Fe      | 0.10          | 0.58M    |
|   |               |         | Mn      | 0.05          | 0.11M    |
|   | 39218         | 6-24-24 | Zn      | 0.05          | 0.07     |
| Mg                                      |               |         | 0.50    | 0.24*         |          |
| Fe                                      |               |         | 0.10    | 0.48M         |          |
| 38737                                   | 6-24-24       | Mn      | 0.05    | 0.09          |          |
|   |               | Zn      | 0.05    | 0.09          |          |
|   |               | Mg      | 0.50    | 0.26*         |          |
| 40313                                   | 6-24-24       | Fe      | 0.10    | 0.56M         |          |
|   |               | Mn      | 0.05    | 0.09          |          |
|   |               | Zn      | 0.05    | 0.09          |          |
| 39339                                   | 7-21-10       | Mg      | 0.50    | 0.22*         |          |
|   |               | Fe      | 0.10    | 0.58M         |          |
|   |               | Mn      | 0.05    | 0.19M         |          |
|   |               |         | Zn      | 0.05          | 0.11M    |
|   |               |         | Mn      | 0.05          | 0.09     |
|   |               |         | Zn      | 0.05          | 0.10M    |
|   |               |         | Mg      | 0.50          | 0.28*    |
|   |               |         | Fe      | 0.10          | 0.68M    |
|   |               |         | Mn      | 0.05          | 0.69M    |
|   |               |         | Zn      | 0.05          | 0.65M    |



TABLE 3. Continued

| COMPANY  | SAMPLE NUMBER | GRADE    | ELEMENT | GUARANTEED, % | FOUND, % |
|--|---------------|----------|---------|---------------|----------|
| SMITH-DOUGLASS DIV.<br>Russellville, KY<br>(Continued) | 39558         | 7-21-10  | Mg      | 0.50          | 0.32*    |
|  |               |          | Fe      | 0.10          | 0.76M    |
|  |               |          | Mn      | 0.05          | 0.80M    |
|  |               |          | Zn      | 0.05          | 0.84M    |
| SOUTHERN STATES COOP., INC.<br>Richmond, VA            | 38512         | 7- 0- 0  | N       | 7.0           | 7.5      |
|  | 38663         | 7- 0- 0  | N       | 7.0           | 7.8      |
|  | 38885         | 7- 0- 0  | N       | 7.0           | 7.0      |
|  | 39242         | 7- 0- 0  | N       | 7.0           | 8.0      |
| Russellville, KY                                       | 39483         | 0- 0-21  | Mg      | 11.00         | 12.22    |
| Winchester, KY   | 38339         | 0-12-40  | B       | 0.45          | 0.59     |
| S. S. BARDSTOWN COOP.<br>Bardstown, KY                 | 38696         | 16-41- 0 | Zn      | 0.69          | 0.62     |
| S. S. GLASGOW COOP.<br>Glasgow, KY                     | 40175         | 11- 8-12 | Mg      | 6.36          | 8.19     |
| S. S. HENRY COOP.<br>Eminence, KY                      | 40372         | 0-26-21  | B       | 0.36          | 0.42     |
|  |               |          | Cu      | 0.84          | 0.28*    |
|  | 40023         | 22- 3- 7 | Zn      | 0.70          | 0.85     |
|  |               |          | Mg      | 2.86          | 3.31     |
| Cu   | 0.56          | 0.45     |         |               |          |
| Zn   | 0.34          | 0.51     |         |               |          |
| S. S. OWENSBORO COOP.<br>Owensboro, KY                 | 39666         | 7-17-35  | B       | 0.20          | 0.31     |
|  |               |          | Zn      | 0.58          | 0.52     |
| SWIFT CHEMICAL CO.<br>East Bernstadt, KY               | 38533         | 5-10-15  | Mg      | 0.50          | 0.36*    |
|  |               |          | Fe      | 0.10          | 0.27M    |
|  |               |          | Mn      | 0.05          | 0.01*    |
|  |               |          | Zn      | 0.05          | 0.19M    |
|  | 38619         | 6-12-18  | Mg      | 0.50          | 0.46     |
|  |               |          | Cu      | 0.05          | 0.00*    |
|  |               |          | Fe      | 0.10          | 0.33M    |
|  |               |          | Mn      | 0.05          | 0.12M    |
|  | 38411         | 6-12-18  | Zn      | 0.05          | 0.17M    |
|  |               |          | Mg      | 0.50          | 0.35*    |
|  |               |          | Cu      | 0.05          | 0.00*    |
|  |               |          | Fe      | 0.10          | 0.26M    |
|  | 39089         | 6-12-18  | Mn      | 0.05          | 0.14M    |
|  |               |          | Zn      | 0.05          | 0.13M    |
|  |               |          | Mg      | 0.50          | 0.38*    |
|  |               |          | Fe      | 0.10          | 0.35M    |
| Mn   | 0.05          | 0.03*    |         |               |          |
| Zn   | 0.05          | 0.07     |         |               |          |
| Hopkinsville, KY                                       | 40094         | 3-10-30  | Mg      | 0.50          | 0.25*    |
|  |               |          | Cu      | 0.05          | 0.01*    |
|  |               |          | Fe      | 0.10          | 0.36M    |
|  |               |          | Mn      | 0.05          | 0.05     |
| 38412  | 4-16- 4       | Zn       | 0.05    | 0.07          |          |
|  |               | Mg       | 0.50    | 0.64          |          |
|  |               | Cu       | 0.05    | 0.01*         |          |
|  |               | Mn       | 0.05    | 0.11M         |          |
| Zn   | 0.05          | 0.26M    |         |               |          |

TABLE 3. Continued

| COMPANY   | SAMPLE NUMBER | GRADE    | ELEMENT | GUARANTEED, % | FOUND, % |
|---|---------------|----------|---------|---------------|----------|
| SWIFT CHEMICAL CO.<br>Hopkinsville, KY<br>(Continued) | 38534         | 4-16- 4  | Mg      | 0.50          | 0.65     |
|   |               |          | Cu      | 0.05          | 0.52M    |
|   |               |          | Mn      | 0.05          | 0.15M    |
|   |               |          | Zn      | 0.05          | 0.28M    |
|   | 38623         | 5-10-15  | Mg      | 0.50          | 3.32M    |
|   |               |          | Cu      | 0.05          | 0.01*    |
|   |               |          | Fe      | 0.10          | 0.33M    |
|   |               |          | Mn      | 0.05          | 0.04*    |
|   |               |          | Zn      | 0.05          | 0.09     |
|   | 40088         | 5-20-20  | Mg      | 0.50          | 0.13*    |
|   |               |          | Cu      | 0.05          | 0.00*    |
|   |               |          | Fe      | 0.10          | 0.37M    |
|   |               |          | Mn      | 0.05          | 0.03*    |
|   |               |          | Zn      | 0.05          | 0.06     |
|   | 40316         | 5-20-20  | Mg      | 0.50          | 0.39*    |
|   |               |          | Cu      | 0.05          | 0.01*    |
|   |               |          | Mn      | 0.05          | 0.12M    |
|   |               |          | Zn      | 0.05          | 0.13M    |
|   | 40087         | 6-12-18  | Mg      | 0.50          | 0.42*    |
|   |               |          | Cu      | 0.05          | 0.00*    |
|   |               |          | Fe      | 0.10          | 0.28M    |
|   |               |          | Mn      | 0.05          | 0.01*    |
|   |               |          | Zn      | 0.05          | 0.01*    |
|   | 39209         | 6-12-18  | Mg      | 0.50          | 0.56     |
|   |               |          | Cu      | 0.05          | 0.02*    |
|   |               |          | Fe      | 0.10          | 0.36M    |
|   |               |          | Mn      | 0.05          | 0.10     |
|   |               |          | Zn      | 0.05          | 0.11M    |
|   | 39207         | 6-12-18  | Mg      | 0.50          | 0.64     |
|   |               |          | Cu      | 0.05          | 0.00*    |
|   |               |          | Fe      | 0.10          | 2.46M    |
|   |               |          | Mn      | 0.05          | 0.05     |
|   |               |          | Zn      | 0.05          | 0.06     |
|   | 39213         | 10-10-10 | Mg      | 0.50          | 0.26*    |
|   |               |          | Cu      | 0.05          | 0.02*    |
|   |               |          | Fe      | 0.10          | 0.24M    |
| Mn  |               |          | 0.05    | 0.08          |          |
| Zn  |               |          | 0.05    | 0.10          |          |
| USS AGRI-CHEMICALS<br>Jeffersonville, IN              | 38549         | 5-10-15  | Mn      | 0.05          | 0.01*    |
|   |               |          | Zn      | 0.05          | 0.05     |
|   | 38609         | 5-10-15  | Mn      | 0.05          | 0.01*    |
|   |               |          | Zn      | 0.05          | 0.05     |
|   | 38936         | 5-10-30  | Mn      | 3.00          | 2.67     |
|   |               |          | Zn      | 0.05          | 0.07     |
|   | 39542         | 5-10-30  | Mn      | 3.00          | 3.11     |
|   |               |          | Zn      | 0.05          | 0.08     |
|   | 38526         | 5-20-20  | Mn      | 0.05          | 0.06     |
|   |               |          | Zn      | 0.05          | 0.07     |
|   | 38381         | 5-20-20  | Mn      | 0.05          | 0.10     |
|   |               |          | Zn      | 0.05          | 0.05     |
|   | 39601         | 6-12-12  | Mn      | 0.05          | 0.08     |
|   |               |          | Zn      | 0.05          | 0.06     |
|   | 38384         | 6-12-12  | Mn      | 0.05          | 0.04*    |
|   |               |          | Zn      | 0.05          | 0.38M    |
|   | 38554         | 6-12-12  | Zn      | 0.05          | 0.11M    |
|   |               |          | Mn      | 0.05          | 0.06     |
|   | 39265         | 6-24-24  | Zn      | 0.05          | 0.06     |
|   |               |          | Mn      | 0.05          | 0.07     |
| 40143   | 6-24-24       | Mn       | 0.05    | 0.06          |          |
|   |               | Zn       | 0.05    | 0.07          |          |

TABLE 3. Continued

| COMPANY   | SAMPLE NUMBER | GRADE    | ELEMENT | GUARANTEED, % | FOUND, % |      |
|---|---------------|----------|---------|---------------|----------|------|
| USS AGRI-CHEMICALS<br>Jeffersonville, IN<br>(Continued) | 38935         | 7-28-28  | Mn      | 0.05          | 0.03*    |      |
|   |               |          | Zn      | 0.05          | 0.02*    |      |
|   | 38563         | 7-28-28  | Mn      | 0.05          | 0.12M    |      |
|   |               |          | Zn      | 0.05          | 0.05     |      |
|   | 39728         | 7-28-28  | Mn      | 0.05          | 0.04     |      |
|   |               |          | Zn      | 0.05          | 0.03*    |      |
|   | 39543         | 7-28-28  | Mn      | 0.05          | 0.04*    |      |
|   |               |          | Zn      | 0.05          | 0.04*    |      |
|   | 40246         | 7-28-28  | Mn      | 0.05          | 0.04*    |      |
|   |               |          | Zn      | 0.05          | 0.02*    |      |
|   | 38872         | 10-10-10 | Mn      | 0.05          | 0.06     |      |
|   |               |          | Zn      | 0.05          | 0.07     |      |
|   | 39015         | 10-10-10 | Mn      | 0.05          | 0.09     |      |
|   |               |          | Zn      | 0.05          | 0.12M    |      |
|   | 39305         | 10-10-10 | Mn      | 0.05          | 0.16M    |      |
|   |               |          | Zn      | 0.05          | 0.13M    |      |
|   | 38380         | 10-10-10 | Mn      | 0.05          | 0.04     |      |
|   |               |          | Zn      | 0.05          | 0.04*    |      |
|   | 40145         | 10-10-10 | Mn      | 0.05          | 0.05     |      |
|   |               |          | Zn      | 0.05          | 0.06     |      |
|   | 40142         | 13-13-13 | Mn      | 0.05          | 0.06     |      |
|   |               |          | Zn      | 0.05          | 0.08     |      |
|   | 39727         | 14-14-14 | Mn      | 0.05          | 0.03*    |      |
|   |               |          | Zn      | 0.05          | 0.03*    |      |
|   | Nashville, TN | 40303    | 5-20-20 | Mn            | 0.05     | 0.05 |
|   |               |          |         | Zn            | 0.05     | 0.09 |
|   |               | 38894    | 6-12-12 | Mn            | 0.05     | 0.06 |
|   |               |          | Zn      | 0.05          | 0.05     |      |
| 39216   |               | 7-28-28  | Mn      | 0.05          | 0.04*    |      |
|   |               |          | Zn      | 0.05          | 0.03*    |      |
| 39341   |               | 7-28-28  | Mn      | 0.05          | 0.04*    |      |
|   |               |          | Zn      | 0.05          | 0.05     |      |
| 39447   |               | 7-28-28  | Mn      | 0.05          | 0.04*    |      |
|   |               |          | Zn      | 0.05          | 0.05     |      |
| 39446   |               | 7-28-28  | Mn      | 0.05          | 0.03*    |      |
|   |               |          | Zn      | 0.05          | 0.08     |      |
| 38756   |               | 8-32-16  | Mn      | 0.05          | 0.04     |      |
|   |               |          | Zn      | 0.05          | 0.10M    |      |
| 38440   |               | 8-32-16  | Mn      | 0.05          | 0.05     |      |
|   |               |          | Zn      | 0.05          | 0.05     |      |
| 40377   |               | 8-32-16  | Mn      | 0.05          | 0.04*    |      |
|   |               |          | Zn      | 0.05          | 0.03*    |      |
| 39445   |               | 10-10-10 | Mn      | 0.05          | 0.06     |      |
|   |               |          | Zn      | 0.05          | 0.07     |      |
| 39588   | 14-14-14      | Mn       | 0.05    | 0.04*         |          |      |
|   |               | Zn       | 0.05    | 0.04          |          |      |
| 38890   | 14-14-14      | Mn       | 0.05    | 0.03*         |          |      |
|   |               | Zn       | 0.05    | 0.04*         |          |      |
| 38906   | 14-14-14      | Mn       | 0.05    | 0.03*         |          |      |
|   |               | Zn       | 0.05    | 0.04*         |          |      |
| 38438   | 14-14-14      | Mn       | 0.05    | 0.04          |          |      |
|   |               | Zn       | 0.05    | 0.03*         |          |      |
| 38755   | 15-40- 5      | Zn       | 1.00    | 0.72*         |          |      |
| 39215   | 15-40- 5      | Zn       | 1.00    | 0.58*         |          |      |
| THE VANCE CO.<br>Chilhowie, VA                          | 39900         | 5-10-15  | Mg      | 1.5           | 0.72*    |      |
|   | 39901         | 5-10-15  | Mg      | 1.5           | 0.67*    |      |
|   | 39902         | 5-10-15  | Mg      | 1.5           | 0.71*    |      |
|   | 39903         | 5-10-15  | Mg      | 1.5           | 0.71*    |      |

TABLE 4. COMPANIES REGISTERED TO SELL FERTILIZERS IN KENTUCKY AS OF JUNE 30, 1976.

|   |   |
|---|---|
| AG/GRO FERTILIZER CO.<br>28 HILL STREET<br>WINCHESTER KY 40391  | AGRICO CHEMICAL CO<br>FREDDONIA KY 42411                    |
| AG. SUPPLY CO<br>INDUSTRIAL DR<br>HOPKINSVILLE KY 42240         | AGRICO CHEMICAL CO<br>BOX 145<br>HARTFORD KY 42347          |
| AGRI-CHEMICAL INC.<br>HOPKINSVILLE KY 42240                     | AGRICO CHEMICAL CO.<br>BOX 3<br>HENDERSON KY 42420          |
| AGRI-CHEMICAL CORP.<br>395 E. 131 ST. ST.<br>CLEVELAND OH 44110 | AGRICO CHEMICAL CO<br>307 W MAIN ST<br>HODGENVILLE KY 42748 |
| AGRI-SUL INC.<br>P.O. BOX 188<br>MINEOLA TX 75773               | AGRICO CHEMICAL CO<br>BOX 575<br>HORSE CAVE KY 42749        |
| AGRICO CHEMICAL CO<br>NATL BK TULSA BLDG<br>TULSA OK 74103      | AGRICO CHEMICAL CO<br>BOX 65<br>IRVINGTON KY 40146          |
| AGRICO CHEMICAL CO<br>WASHINGTON CH OH 43160                    | AGRICO CHEMICAL CO<br>ROUTE 3<br>MADISONVILLE KY 42431      |
| AGRICO CHEMICAL CO<br>BOX 873<br>BOWLING GREEN KY 42101         | AGRICO CHEMICAL CO<br>MEMPHIS TN 38103                      |
| AGRICO CHEMICAL CO<br>BOX 7<br>CECILIA KY 42724                 | AGRICO CHEMICAL CO<br>BOX 86<br>MORGANFIELD KY 42437        |
| AGRICO CHEMICAL CO<br>BOX 8<br>CLARKSON KY 42726                | AGRICO CHEMICAL CO<br>108 RIVER RD<br>OWENSBORO KY 42302    |
| AGRICO CHEMICAL CO<br>BOX 395<br>CLAY KY 42404                  | AGRICO CHEMICAL CO<br>BOX 284<br>RUSSELLVILLE KY 42276      |

TABLE 4. (Continued)

AGRICO CHEMICAL CO  
SACRAMENTO KY 42372

AMERICAN PELLETIZING CORP  
P.O. BOX 446  
DAYTON OH 45459

AGRICO CHEMICAL CO  
SEYMCUR IN 47274

AMWAY CORP.  
7575 E. FULTON ROAD  
ADA MI 49355

AGRICO CHEMICAL CO  
BOX 266  
STURGIS KY 42459

THE ANDERSONS, SPECIALTIES DIV  
BOX 119  
MAUMEE OH 43537

AGRILAWN INC.  
P.O. BOX 994  
OWENSBORO KY 42301

ANVIL MINERAL PRODUCTS CORP.  
BOX Q  
BAY SPRINGS MS 39422

AIR PRODUCTS & CHEMICALS INC.  
P. O. BOX 467  
PENSACOLA FL 32592

ASKEW FARM SERVICE  
ROUTE 1  
HOPKINSVILLE KY 42240

ALBERTO-CULVER COMPANY  
2525 ARMITAGE AVE.  
MELROSE PARK IL 60160

AVI (ASSOC. VENTURES, INC.)  
1131 WARREN AVE.  
DOWNEY GROVE IL 60915

ALFCO INC  
BOX 267  
MARIETTA OH 45750

AYERS SEED & FERTILIZER  
BOX 308  
MORGANTOWN KY 42261

ALLEN CO. FARMERS SERVICE  
409 EAST MAIN STREET  
SCOTTSVILLE KY 42164

AYR WAY STORES  
INDIANAPOLIS IN 46268

ALLENSVILLE CROP SERVICE  
ALLENSVILLE KY 42204

JAMES C. BAILEY  
P.O. BOX 136  
LEDBETTER KY 42058

ALLIED CHEM CORP-UNION TX PET  
BOX 2120--AGR DEPT  
HOUSTON TX 77001

JAMES C. BAILEY  
MAYFIELD KY 42066

AMERICAN CYANAMID CO.  
P. O. BOX 400  
PRINCETON NJ 08540

BALLARD CO. COOP.  
LA CENTER KY 42056

TABLE 4. (Continued)

PAPPEN RIVER FERT. CO., INC  
P.O. BOX 156  
GLASGOW KY 42141

BELL CO. FARM SUPPLY, INC.  
BOX 89  
MIDDLESBORO KY 40965

BEREA FARM SERVICE  
BOX 150-PROSPECT ST.  
BEREA KY 40403

BIG FOUR FEED & IMPLEMENT CO  
BOX 453  
SCOTTSVILLE KY 42164

BIG 4 FERT & CHEM CO.  
ROUTE #1  
BARDSTOWN KY 40004

BIOCHEMICAL RES & DEV CORP  
313 E ANDERSON LANE  
AUSTIN TX 78752

BISHOP CO.-DIV LEBANON CHEM  
P. O. BOX 317  
LEBANON PA 17042

BLACK GOLD COMPOST CO.  
P.O. BOX 16505  
TAMPA FL 33687

BLACK LEAF PRODUCTS CO  
667 N STATE ST  
ELGIN IL 60120

BLUEGRASS PLANT FOODS  
BOX 310  
CYNTHIANA KY 41031

BLUEGRASS PLANT FOODS  
BOX 113  
DANVILLE KY 40422

BORDEN, INC., CHEMICAL DIV.  
P.O. BOX 427  
GEISMAR LA 70734

BORDEN, INC. CHEMICAL DIV.  
180 EAST BROOD ST.  
COLUMBUS OH 43215

BOURBON FARM SERVICE  
1488 SOUTH MAIN ST.  
PARIS KY 40361

BRANDT CHEMICAL CO.  
BOX 276  
PLEASANT PLNS IL 62677

BRUKYLE INC.,  
1415 EAST 12TH ST.  
OWENSBORO KY 42301

OTIS BRYANT & SON MILLING CO.  
CANEYVILLE KY 42721

RAY BRYANT & SON  
130 THOMAS AVE  
BOWLING GREEN KY 42101

BUNTON SEED CO.  
939 E. JEFFERSON ST.  
LOUISVILLE KY 40206

BURKHART FEED MILL  
BOX 127  
AUBURN KY 42206

BURKESVILLE FERTILIZER PLANT  
BURKESVILLE KY 42717

BURLEY BELT CHEMICAL CO.  
BOX 5150  
LEXINGTON KY 40505

TABLE 4. (Continued)

|  |  |
|--|--|
| BURLEY BELT CHEMICAL CO.<br>P. O. BOX 310<br>CYNTHIANA KY 41031    | CARLISLE FERTILIZER<br>BOX 175<br>BARDWELL KY 42023                |
| BURLEY BELT CHEMICAL CO.<br>BOX 130<br>LONDON KY 40741             | DONALD CARNEY & SON<br>RT. 1<br>SPRINGFIELD KY 40069               |
| BURLEY BELT CHEMICAL CO.<br>BOX 306<br>FERGUSON KY 42533           | CAUDILL SFED CO.<br>BOX 348<br>SHELBYVILLE KY 40065                |
| BURLEY BELT CHEMICAL CO.<br>ROUTE 1<br>GEORGETOWN KY 40324         | CAYCE LIME & FERTILIZER<br>ROUTE 4<br>FULTON KY 42041              |
| BURLEY BELT CHEMICAL CO.<br>WAREHOUSE<br>HARRODSBURG KY 40330      | C & D STORE<br>MACKVILLE KY 40040                                  |
| BURLEY BELT CHEMICAL CO.<br>WHSE PT. 2<br>RUSSELL SPRNG KY 42642   | CENTRAL KY AERIAL SPRAY INC.<br>BOX 509<br>DANVILLE KY 40422       |
| BURLEY BELT CHEMICAL CO.<br>WAREHOUSE<br>STANFORD KY 40484         | C.F. CHEMICALS, INC.<br>PO BOX 1479<br>BARTOW FL 33830             |
| BURLEY BELT-BAKER<br>BOX 108<br>VERONA KY 41092                    | CF INDUSTRIES, INC.<br>SALEM LAKE DRIVE<br>LONG GROVE IL 60047     |
| H. D. CAMPRELL COMPANY<br>CAMPBELL BLDG.<br>ROCHELLE IL 61068      | CHEMICAL FERTILIZERS SERVICES<br>P.C. BOX 18<br>VINCENNES IN 47591 |
| CAMPBELLSVILLE CROP SERVICE<br>P O BOX 7<br>CAMPBELLSVILL KY 42718 | CHEM-LAWN CORP.<br>5532 SHIER-RINGS RD<br>DUBLIN OH 43017          |
| CARGILL, INC.<br>1630 CARGILL BLDG.<br>MINNEAPOLIS MN 55402        | CHEM-LAWN CORP.<br>450 W. WILSON BRIDGE<br>COLUMBUS OH 43085       |

TABLE 4. (Continued)

|   |   |
|---|---|
| CHEM-LAWN CORP.<br>7980 KENTUCKY DR.<br>FLORENCE KY 41042             | COMINCO AMERICAN INC<br>818 W RIVERSIDE AVE<br>SPOKANE WA 99201         |
| CHEM-LAWN CORP. LEXINGTON<br>731-B WERNE DR.<br>LEXINGTON KY 40511    | COMMERCIAL SOLVENTS CORP.<br>245 PARK AVENUE<br>NEW YORK NY 10017       |
| CHEM-LAWN CORP. LOUISVILLE<br>10100 BUNSEN WAY<br>LOUISVILLE KY 40299 | CONTINENTAL PEAT CO.<br>P O BOX 7368<br>TOLEDO OH 43615                 |
| CHEVRON CHEMICAL CO.<br>P.O. BOX 242<br>FORT MADISON IA 52627         | COOK UNITED, INC.<br>CLEVELAND OH 44137                                 |
| CHEVRON CHEMICAL CO-ORTHO DIV<br>940 HENSLEY ST<br>RICHMOND CA 94801  | CRAFTON & DUNCAN INC.<br>1223 2ND ST.<br>HENDERSON KY 42420             |
| CHILEAN NITRATE SALES CORP.<br>1 WORLD TRADE CTR<br>NEW YORK NY 10048 | CRITTENDEN CO. FARM SUPPLY<br>MARION KY 42064                           |
| CHRISTIAN CO. SUPPLY CO.<br>SKYLINE DRIVE<br>HOPKINSVILLE KY 42240    | CULBAC INTERNATIONAL INC.<br>106 W 2950 SOUTH<br>SALT LAKE CIT UT 84115 |
| CIBA-GEIGY. CORP.<br>P.O. BOX 11422<br>GREENSBORO NC 27409            | DELTA EARTH, INC.<br>P.O. BOX 8045<br>CHICAGO IL 60680                  |
| CIRCLE O FARM CENTER<br>MARION KY 42064                               | DELTA CORPORATION<br>BOX 127<br>WYNNBURG TN 38077                       |
| CIRCLE O FARM CENTER<br>2ND & MONROE ST.<br>STURGIS KY 42459          | D H & R CO., INC.<br>P.O. BOX 333<br>LA PORTE IN 46350                  |
| COLUMBIA NITROGEN COOP.<br>P. O. BOX 4462<br>MACON GA 31208           | DOW CHEMICAL<br>2030 DCW CENTER<br>MIDLAND MI 48640                     |



TABLE 4. (Continued)

|   |  |
|---|--|
| E I DUPONT DE NEMOURS CO<br>7056 DUPONT BLDG<br>WILMINGTON DE 19899   | FARMERS GIN COMPANY<br>BOX 95<br>CLINTON KY 42031                  |
| EAGLE RICHER<br>P.O. BOX 83<br>JOPLIN MO 64801                        | FARMERS MART<br>P. O. BOX 247<br>LAGRANGE KY 40031                 |
| ELKTON CROP SERVICE<br>ROUTE #3<br>GUTHRIE KY 42234                   | FARMERS SUPPLY & PRODUCE CO.<br>MONTICELLO KY 42633                |
| ENCAP PRODUCTS CO<br>BOX 278<br>MT PROSPECT IL 60056                  | FARMLAND INDUSTRIES INC.<br>P. O. BOX 7305<br>KANSAS CITY MO 64116 |
| ENCORAT CHEMICALS CORP.<br>1530 CHESTNUT ST.<br>PHILADELPHIA PA 19102 | FEDERAL CHEMICAL CO<br>HUMPHLET TN 38343                           |
| E-Z-FLO CHEMICAL CO.<br>701 KODERLY DRIVE<br>COLUMBUS OH 43228        | FEDERAL CHEMICAL CO<br>1400 SOUTH HANCOCK<br>LOUISVILLE KY 40217   |
| E-Z FLO CHEMICAL COMPANY<br>1091 WEST HIGH ST.<br>LEXINGTON KY 40501  | FEDERAL CHEMICAL CO<br>646 STARKS BLDG.<br>LOUISVILLE KY 40202     |
| FAESY & RESTHOFF INC<br>143 RIVER RD<br>EDGEWATER NJ 07020            | FEDERAL CHEMICAL CO<br>P. O. BOX 7605<br>NASHVILLE TN 37209        |
| FARMERS CHEMICAL CO.<br>BOX 87<br>HARRISON TN 37341                   | FELTY CROP SERVICE<br>BOX 281<br>BEAVER DAM KY 42320               |
| FARMERS FEED & FERTILIZER<br>BOX 527<br>SCOTTSVILLE KY 42164          | FIRSTMISS, INC.<br>BOX 328<br>FORT MADISON IA 52627                |
| FARMERS FERTILIZER COMPANY<br>P. O. BOX 127<br>SMITHS GROVE KY 42171  | FRANKLIN CROP SERVICE<br>ROUTE 2<br>FRANKLIN KY 42134              |

TABLE 4. (Continued)

|   |   |
|---|---|
| FRASIER SUPPLY CO.<br>104 TRABUE ST.<br>GLASGOW KY 42141            | W R GRACE & CO-DAV CHEM DIV<br>BARTOW FL 33830                      |
| FREE FLOW FERTILIZER CO.<br>P. C. BOX 119<br>MAUMEE OH 43537        | W R GRACE & CO-AGR PROD DIV<br>R R #4<br>BOWLING GREEN KY 42101     |
| GALLATIN CO. FARM SVC<br>WARSAW KY 41095                            | W. R. GRACE & CO.-AGR PROD. DIV<br>R. R. #1<br>CACIZ KY 42211       |
| GAMALIEL BULK FERTILIZER INC<br>RT #1<br>TOMPKINSVILLE KY 42167     | W. R. GRACE & CO.<br>R. #1, BOX 175<br>CECILIA KY 42724             |
| GARDINIER INC<br>BOX 3269<br>TAMPA FL 33601                         | W R GRACE & CO<br>BOX 148<br>COLUMBUS OH 43216                      |
| GARDINIER BIG RIVER INC.<br>P.O. BOX 3269<br>TAMPA FL 33601         | W R GRACE & CO AGRI PROD DIV<br>EKRON KY 40117                      |
| GARRARD FARM SERVICE<br>LANCASTER KY 40444                          | W R GRACE & CO-AGR PROD DIV<br>GUTHRIE KY 42234                     |
| GATEWAY SUPPLY CORP.<br>9560 W. BLOOMINGTON<br>BLOOMINGTON MN 55431 | W R GRACE & CO<br>BOX 257<br>LA CENTER KY 42056                     |
| GENES AG SUPPLY<br>BOX 187<br>STURGIS KY 42459                      | W. R. GRACE & CO.<br>1606 INDUSTRIAL DR.<br>HOPKINSVILLE KY 42240   |
| GLASGOW FERTILIZER CO.<br>BOX 198<br>GLASGOW KY 42141               | W R GRACE & CO AGRI CHEM GROUP<br>100 W MAIN ST<br>MEMPHIS TN 38103 |
| GLASGOW TRADING CENTER<br>GLASGOW KY 42141                          | W. R. GRACE & CO.<br>P.O. BOX 90166<br>NASHVILLE TN 37209           |

TABLE 4. (Continued)

|   |  |
|---|--|
| W R GRACE & CO AGP PROD DIV<br>BOX 742<br>NEW ALBANY IN 47150     | GRO-GREEN SALES CO.<br>BOX 493<br>LERANON KY 40033                 |
| GRAVES CO. SOIL IMP. ASSN.<br>BOX 567<br>MAYFIELD KY 42066        | GRO-GREEN PAYNES, INC.<br>ROUTE 6<br>LEXINGTON KY 40507            |
| THE GREAT A&P TEA CO.<br>P O BOX 300<br>LOUISVILLE KY 40201       | GROVE COMPOST CO.<br>BOX 570 D<br>FRANKSVILLE WI 53126             |
| GREEN GRASS RECLAIMATION<br>DRAKESBORO KY 42337                   | GROWERS CHEMICAL CORP.<br>LOCKWOOD RD.<br>MILAN OH 44846           |
| GREEN CO. FARM SUPPLY<br>115 SOUTH MAIN ST<br>GREENSBURG KY 42743 | GUTHRIE FARM SERVICE<br>BOX 191<br>EMINENCE KY 40019               |
| GREENLIFE PRODUCTS CO.<br>P.O. BOX 72<br>WEST POINT VA 23181      | HANCOCK COUNTY FARM SUPPLY<br>HAWESVILLE KY 42348                  |
| GREEN THUMB PRODUCTS<br>DRAWER 760<br>APOPKA FL 32703             | HAWKEYE SUPPLY CO.<br>1418 FABRICON BLVD<br>JEFFERSONVILL IN 47130 |
| GREEN VALLEY FARM SUPPLY<br>ATTN. R.D. WOOD<br>CALHCUN KY 42327   | HELENA CHEMICAL CO.<br>5100 POPLAR AVE.<br>MEMPHIS TN 38137        |
| GREEN VALLEY FARM SUPPLY<br>ISLAND KY 42350                       | HELENA CHEMICAL CO.<br>2441 PRODUCTION DR<br>INDIANAPOLIS IN 46241 |
| GREENAID CO.<br>JONATHAN INDSTR L CTR<br>CHASKA MN 55318          | HERCULES INC<br>900 LIFE OF GA TOWER<br>ATLANTA GA 30308           |
| GRO-GREEN CHEMICAL CO., INC.<br>BOX 388<br>SHELBYVILLE KY 40065   | HERITAGE HOUSE PRODUCTS<br>300 LAKE RD<br>MEDINA OH 44256          |

TABLE 4. (Continued)

|  |  |
|--|--|
| HERNDON FARM & SEED CO.<br>ROUTE #4<br>MURRAY KY 42071                   | INDIANA FARM BUREAU COOP.<br>47 S. PENNSYLVANIA<br>INDIANAPOLIS IN 46204 |
| HIGHLAND DISTRIBUTORS INC<br>SADLERSVILLE TN 37154                       | INTERNATIONAL MIN & CHEM CORP<br>P. O. BOX 158<br>FLORENCE AL 35630      |
| GEO W HILL & CO INC<br>8010 DIXIE HIWAY<br>FLORENCE KY 41042             | INTERNATIONAL SPIKE INC<br>462 E HIGH ST<br>LEXINGTON KY 40508           |
| HOBBS FEED & SUPPLY CO.<br>BOX 48<br>FANCY FARM KY 42039                 | JEREMY CHEMICAL CO, INC.<br>5 LAWRENCE ST.<br>BLOOMFIELD NJ 07003        |
| A. H. HOFFMAN, INC.<br>P.O. BOX 8<br>LANDISVILLE PA 17538                | JOHNSON CITY CHEMICAL INC.<br>P. O. BOX 760<br>JOHNSON CITY TN 37601     |
| CLIFTON HOLLINGSWORTH<br>R#1<br>MT. HERMON KY 42157                      | JONES-WILLIS CORP.<br>141 E. 3RD ST.<br>HEREFORD TX 79045                |
| HOWE-HILLIARD GRAIN CO.<br>MAYFIELD KY 42066                             | KATSER AGRICULTURAL CHEMICALS<br>P. O. BOX 246<br>SAVANNAH GA 31402      |
| HUSTONVILLE FARM SERVICE<br>HUSTONVILLE KY 40437                         | KAISER AGRICULTURAL CHEMICALS<br>P. O. BOX E<br>SULLIVAN IL 61915        |
| HUTSON CHEMICAL COMPANY<br>103 MAPLE ST.<br>MURRAY KY 42071              | KAISER AGRICULTURAL CHEMICALS<br>P.O. BOX 494<br>W. DES MOINES IA 50265  |
| THE HYPONEX COMPANY, INC.<br>3489 SAWMILL RD.<br>COPLY OH 44321          | KALO LABORATORIES<br>9233 WARD PARKWAY<br>KANSAS CITY MO 64114           |
| I & H FARM SUPPLY, INC.<br>602 N. MAGNOLIA ST.<br>TOMPKINSVILLE KY 42167 | G. T. KASEY<br>IRVINGTON KY 40140  |

TABLE 4. (Continued)

|   |  |
|---|--|
| KENTUCKY FERTILIZER WORKS<br>222 COCK AVF.<br>WINCHESTER KY 40391     | LAWN-A-MAT CHEM. & EQUIP. CORP<br>153 JEFFERSON AVE.<br>MINFOLA NY 11501 |
| KERR-MCGEE FARM CENTER<br>P. O. BOX "K"<br>CADIZ KY 42211             | LAWN-AID INC.<br>1804 CARGO COURT<br>LOUISVILLE KY 40299                 |
| KERR-MCGEE CHEMICAL CORP.<br>P.C. BOX 3<br>COTTONDALE FL 32431        | LEBANON CHEMICAL CO.<br>P. O. BOX 180<br>LEBANON PA 17042                |
| KERR-MCGEE CHEMICAL CORP.<br>W. R. BOYD & SONS R1<br>CROFTON KY 42217 | LILLY BROS. SEED CO. INC.<br>SKYLINE DR<br>HOPKINSVILLE KY 42240         |
| KERR-MCGEE FARM CENTER<br>W E BOYD & SONS R 1<br>FREDONIA KY 42411    | LINCOLN FARM SERVICE<br>STANFORD KY 40484                                |
| KERR-MCGEE FARM CENTER<br>GUTHRIE KY 42234                            | LIVINGSTON CO. FARM & HOME SUP<br>RFD 3<br>SMITHLAND KY 42081            |
| KERR-MCGEE FARM CENTER<br>% PIERCE & WILLIAMS<br>HERNDON KY 42236     | LIVINGSTON CO. FARM SUPPLY<br>SMITHLAND KY 42081                         |
| KERR-MCGEE CHEMICAL CORP<br>KERR-MCGEE BLDG<br>OKLAHOMA CITY OK 73125 | LIVINGSTON COUNTY COOP.<br>BOX 38<br>SMITHLAND KY 42081                  |
| KERR-MCGEE FARM CENTER<br>P. O. BOX 129<br>PEMBROKE KY 42266          | LORETTO FEED & FERT.<br>ROUTE #1<br>LORETTO KY 40037                     |
| KOCS, INC.<br>4500 13TH COURT<br>KENDSHA WI 53140                     | MCCAULEY BROS SEED CO<br>111 BROADWAY<br>VERSAILLES KY 40383             |
| S. S. KRESGE CO.<br>3100 W. BIG BEAVER<br>TROY MI 48084               | MAG CAR, INC.<br>R#2 BOX 76<br>APEX NC 27502                             |

TABLE 4. (Continued)

|   |   |
|---|---|
| MAPCO INC.<br>INDIAN POINT DIV.<br>ATHENS IL 62613                      | MILES FARM SUPPLY<br>RT 3<br>OWENSBORO KY 42301                       |
| MARSHALL CTY SOIL IMP. ASSOC.<br>501 POPLAR<br>BENTON KY 42025          | MILES FARM SUPPLY, INC.<br>CARTER & KELLER RDS.<br>OWENSBORO KY 42301 |
| J. J. MAUGET CO., INC.<br>P.O. BOX 3422<br>BURBANK CA 91504             | MILES FARM SUPPLY, INC.<br>HWY 431S<br>OWENSBORO KY 42301             |
| MAYFIELD MILLING CO<br>NORTH NINTH ST<br>MAYFIELD KY 42066              | MINN MINING & MFG CO<br>3M CENTER BLDG 209<br>ST PAUL MN 55101        |
| MEACHEM NITROGEN SERVICE<br>RT 3-BOX 188<br>MORGANFIELD KY 42437        | MISSISSIPPI CHEMICAL CORP<br>BOX 388<br>YAZOO CITY MS 39194           |
| MEADE FARMERS SUPPLY<br>BRANDENBURG KY 40108                            | MONSANTO AGRI CENTER<br>BOX 203<br>SLAUGHTERS KY 42456                |
| MELLOW VALLEY PRODUCTS CO.<br>P. O. BOX 540<br>SYLACAUGA AL 35150       | MONSANTO COMPANY<br>800 N LINDBERGH<br>ST. LOUIS MO 63166             |
| METCALFF CO. FARMERS SUPPLY<br>EDMONTON KY 42129                        | MONTGOMERY FARMERS COOP.<br>CLARKSVILLE TN 37040                      |
| MEDINA AGRICULTURE PRODUCTS<br>P.O. BOX 309<br>HONDO TX 78861           | MONTGOMERY WARD<br>CHICAGO IL 60607                                   |
| MID-OHIO CHEMICAL COMPANY, INC<br>P.O. BOX 193<br>MT. STERLING OH 43143 | MOORE-HUTCHESON CO.<br>MORGANTOWN KY 42261                            |
| MICHIGAN CHEMICAL CORP.<br>2 N. RIVERSIDE PLAZA<br>CHICAGO IL 60601     | MORRISON FARM SVC<br>HODGENVILLE KY 42748                             |

TABLE 4. (Continued)

|   |  |
|---|--|
| M-S FARM SERVICE<br>RT #3 BOX 387<br>HENDERSON KY 42420                 | OHIO VALLEY FERTILIZER, INC.<br>BOX 36<br>MAYSVILLE KY 41056           |
| MA-CHURS PLANT FOOD COMPANY<br>421 MONROE STREET<br>MARION OH 43302     | OLDHAM BROS<br>FULTON AVE<br>SHAWNEETOWN IL 62984                      |
| NATURAL DEVELOPMENT CO<br>BOX 215<br>BAINBRIDGE PA 17502                | OLIN CORP.<br>120 LONG RIDGE RD.<br>STAMFORD CT 06904                  |
| NATURE'S BEST FARMS<br>P. O. BOX 487<br>LAKE FOREST IL 60045            | OLIN CORP AGRI DIV<br>P. O. BOX 991<br>LITTLE ROCK AR 72203            |
| NEW PLANT LIFE<br>PO BOX 45<br>LA PORTE IN 46350                        | ORGANIC COMPOST CORP.<br>P.C. BOX 217<br>GERMANTOWN WI 53022           |
| NORTH AMERICAN FERTILIZER CO.<br>1419 S. PRESTON<br>LOUISVILLE KY 40217 | ORGANIC LABORATORIES, INC.<br>5050 WESTHEIMER #411<br>HOUSTON TX 77027 |
| NORTHRUP, KING & CO.<br>1500 JACKSON ST. NE<br>MINNEAPOLIS MN 55413     | ORGANIC RECYCLING<br>967 S. MATLOCK ST.<br>WEST CHESTER PA 19380       |
| OBION FARMERS COOP.<br>WEST PALMER ST.<br>UNION CITY TN 38261           | ORGO PRODUCTS CO.<br>BOX 221<br>DAYTON OH 45401                        |
| OBION GRAIN CO<br>OBION TN 38240  | OTASCO<br>BOX 885<br>TULSA OK 74102                                    |
| OCCIDENTAL CHEMICAL CO.<br>5800 FAIRFIELD AVE.<br>FT. WAYNE IN 46807    | PARKER FERTILIZER CO.<br>P. O. BOX 540<br>SYLACAUGA AL 35150           |
| OCCIDENTAL CHEMICAL CO.<br>BOX 1347<br>SIOUX FALLS SD 57101             | PARRISH SHOP & SALES<br>RT4. BOX 578<br>HENDERSON KY 42420             |

TABLE 4. (Continued)

PAYGRO DIV MEAD CORP  
118 W FIRST ST  
DAYTON OH 45402

PEACHEYS STORE & SADDLERY  
ROUTE 2  
GUTHRIE KY 42234

ROBERT B. PETERS, INC.  
2933 PENNSYLVANIA ST  
ALLENTOWN PA 18104

J. PETTY CO.  
P O BOX 151  
GRACEY KY 42232

PHELPS DODGE  
300 PARK AVE.  
NEW YORK NY 10022

PHELPS FARM SERVICE  
424 SOUTH THIRD ST.  
PADUCAH KY 42001

PICKETT FARMERS COOP.  
P.O. BOX 155  
BYRDSTOWN TN 38549

PIPES FEED & FERTILIZER INC  
BOX 723  
WINCHESTER KY 40391

PLANT MARVEL LABORATORIES  
624 W 119TH ST.  
CHICAGO IL 60628

PLANTARBS COPP.  
TIMONIUM MD 21093

POOPES FERT & CHEMICALS INC  
ROUTE #3  
ALBANY KY 42602

PREMIER BRANDS, INC.  
350 MADISON AVE.  
NEW YORK NY 10017

PRICES MILL FARM SUPPLY  
ROUTE #2  
FRANKLIN KY 42134

PRINCETON GRAIN & SUPPLY CO.  
P.O. BOX 388  
PRINCETON KY 42445

RAIN BIRD NATIONAL SALES  
7045 N. GRAND AVE.  
GLENORA CA 91740

RA-PID-GROW CORPORATION  
88 OSSIAN STREET  
DANSVILLE NY 14437

RHODES FEED MILL  
ROUTE #1  
MAYFIELD KY 42066

RHODIA INC. AGRI. DIV.  
P.O. BOX 125  
MONMOUTH JUNC NJ 08852

RICH POND CROP SERVICE  
RT. #4  
BOWLING GREEN KY 42101

RINGER CORP.  
6860 FLYING CLOUD DR  
EDEN PRAIRIE MN 55343

RINKS BARGAIN CITY  
TOLEDO OH 43607

ROBERTSON-CHEATHAM FARMERS COOP  
SPRINGFIELD TN 37172



TABLE 4. (Continued)

|  |   |
|--|---|
| ROBIN JONES PHOSPHATE CO<br>BOX 50236<br>NASHVILLE TN 27205    | SEA-BORN INC.<br>2000 ROCKFORD RD.<br>CHARLES CITY IA 50616             |
| ROCKLAND CHEMICAL CO., INC.<br>BOX 809<br>W. CALDWELL NJ 07006 | SEABOARD SEED COMPANY<br>BRISTOL IL 60512                               |
| ROSS DANIELS INC<br>1720 FULLER RD<br>W DES MOINES IA 50265    | SEARS, ROEBUCK & COMPANY<br>SEARS TOWER<br>CHICAGO IL 60684             |
| ROYSTER COMPANY<br>DRAWER 1940<br>NORFOLK VA 23501             | SEWERAGE COM., CITY MILWAUKEE<br>700 E. JONES ST.<br>MILWAUKEE WI 53201 |
| ROYSTER CO. & MR. WOMBLE<br>DRAWER 1940<br>NORFOLK VA 23501    | SEYMOUR CHEMICAL COMPANY<br>P.O. BOX 307<br>SEYMOUR IN 47274            |
| WILLIAM RUDY & SON<br>RANDANA KY 42022                         | SHAKER FARM CENTER, INC.<br>BOX 23<br>SOUTH UNION KY 42283              |
| SACRAMENTO FEED MILL, INC.<br>BOX 246<br>SACRAMENTO KY 42372   | SIMPSON MILLING CO<br>WAYNESBURG KY 40439                               |
| SCHOCHOH CROP SERVICE<br>ROUTE 5<br>RUSSELLVILLE KY 42276      | SMITH-DOUGLAS DIV<br>P O BOX 438<br>RUSSELLVILLE KY 42276               |
| SCHULTZ COMPANY<br>11730 NORTHLINE<br>MARYLAND HGTS MO 63043   | SMITH-DOUGLASS, BORDEN INC.<br>BOX 111<br>DANVILLE VA 24541             |
| SCIENCE PRODUCTS CO, INC<br>5801 NO. TRIPP<br>CHICAGO IL 60646 | SMITH-DOUGLASS, BORDEN INC.<br>BOX 419<br>NORFOLK VA 23501              |
| O. M. SCOTT & SONS<br>MARYSVILLE OH 43040                      | SMITHERS-DASIS DIVISION<br>919 MARVIN AVE.<br>KENT OH 44240             |

TABLE 4. (Continued)

|   |  |
|---|--|
| SMITHS GROVE FERTILIZER CO<br>BOX E<br>SMITHS GROVE KY 42171              | S.S. BARDSTOWN COOP.<br>403 CATHEDRAL MANDR<br>BARDSTOWN KY 40004      |
| SMYLES LABORATORIES, INC.<br>6909 CRESTON RD.,<br>MINNEAPOLIS MN 55435    | S. S. BOYLE COOP.<br>R-4 LEBANON ROAD<br>DANVILLE KY 40422             |
| SOUTH FULTON LIME & FERT., INC<br>P. O. BOX 66<br>SOUTH FULTON TN 42041   | SS BOWLING GREEN COOP<br>920 CLAY STREET<br>BOWLING GREEN KY 42101     |
| SOUTHERN IMPORTERS, INC.<br>P. O. BOX 8616<br>GREENSBORO NC 27410         | S. S. BRECK COOP.<br>ROUTE 1<br>HARDINSBURG KY 40143                   |
| SOUTHERN STATES COOP., INC.<br>CURTIS BAY<br>BALTIMORE MD 21226           | S.S. COOP-CALDWELL SERVICE<br>ROUTE #3<br>PRINCETON KY 42445           |
| SOUTHERN STATES COOP., INC.<br>ROUTE 5, BOX 70<br>BRISTOL VA 24201        | S. S. CAMPBELLSVILLE COOP.<br>P. O. BOX 428<br>CAMPBELLSVILLE KY 42718 |
| SOUTHERN STATES COOP., INC.<br>BOX 7611<br>CHESAPEAKE VA 23324            | S. S. BULLITT COOP.<br>BOX 644<br>SHEPHERDSVILLE KY 40165              |
| SOUTHERN STATES COOP., INC.<br>BOX 1656<br>RICHMOND VA 23213              | S.S. CARLISLE COOP<br>MAIN STREET<br>CARLISLE KY 40311                 |
| SOUTHERN STATES COOP., INC.<br>BOX 13065 C. T. STA<br>LOUISVILLE KY 40213 | S.S. CLARK COOP<br>PENDLETON STREET<br>WINCHESTER KY 40391             |
| SOUTHERN STATES COOP., INC.<br>BOX 408<br>RUSSELLVILLE KY 42276           | S.S. COOP. CLAY PETROL SVC.<br>P.O. BOX 175<br>CLAY KY 42404           |
| SOUTHERN STATES COOP., INC.<br>BOX 516<br>WINCHESTER KY 40391             | S.S. CYNTHIANA COOP<br>P.O. BOX 343<br>CYNTHIANA KY 41031              |

TABLE 4. (Continued)

|  |  |
|--|--|
| S.S. FLEMINGSBURG COOP<br>P.O. BOX 167<br>FLEMINGSBURG KY 41041  | S.S. HOPKINSVILLE COOP<br>501 EAST 13TH ST<br>HOPKINSVILLE KY 42240    |
| S.S. FRANKFORT COOP<br>DAILEY AVENUE<br>FRANKFORT KY 40601       | S.S. HORSE CAVE COOP<br>206 S. DIXIE HWY<br>HORSE CAVE KY 42749        |
| S.S. COOP FULTON SVC<br>201 CENTRAL AVE.<br>FULTON KY 42041      | S.S. IRVINGTON SERVICE<br>IRVINGTON KY 40146                           |
| S.S. GEORGETOWN COOP.<br>BOX 514-US 460<br>GEORGETOWN KY 40324   | S.S. LAGRANGE COOP<br>2ND & WASHINGTON STS<br>LA GRANGE KY 40031       |
| S.S. GLASGOW COOP<br>504 WEST FRONT ST.<br>GLASGOW KY 42141      | S.S. LAWRENCEBURG COOP<br>R. R. #3<br>LAWRENCEBURG KY 40342            |
| S.S. GRAYSON COOP<br>PO BOX 547<br>GRAYSON KY 41143              | S.S. LEBANON COOP.<br>215 DEPOT STREET<br>LEBANON KY 40033             |
| S. S. GREENVILLE SERVICE<br>W. DEPOT ST.<br>GREENVILLE KY 42345  | S. S. LEITCHFIELD COOP<br>118 W. WHITE OAK ST.<br>LEITCHFIELD KY 42754 |
| S.S. HARDIN COOP<br>ROUTE 2 -- BOX 175<br>ELIZABETHTOWN KY 42701 | S.S. LEXINGTON COOP<br>949 PINE ST.<br>LEXINGTON KY 40508              |
| S.S. HARRODSBURG COOP<br>P. O. BOX 308<br>HARRODSBURG KY 40330   | S.S. LONDON COOP<br>P.C. BOX 604<br>LONDON KY 40741                    |
| S.S. HENDERSON COOP<br>146 MCKINLEY ST<br>HENDERSON KY 42420     | S.S. COOP. MANCHESTER SV<br>102 THIRD ST.<br>MANCHESTER KY 40962       |
| S.S. HENRY COOP<br>BOX 167-EAST ELM ST.<br>EMINENCE KY 40019     | S.S. MADISONVILLE COOP<br>130 N. SEMINARY ST.<br>MADISONVILLE KY 42431 |

TABLE 4. (Continued)

S.S. MAYSVILLE COOP  
BOX 668-US 68 S.  
MAYSVILLE KY 41056

S. S. COOP. MOREHEAD SVC.  
P.O. BOX 366  
MOREHEAD KY 40351

S.S. MORGANFIELD COOP  
304 N. TOWNSEND ST.  
MORGANFIELD KY 42437

S.S. OWENSBORO COOP  
800 CRABTREE AVENUE  
OWENSBORO KY 42301

S.S. OWENTON COOP  
OWENTON KY 40359

S.S. PENDLETON COOP  
P.O. BOX 231-RT. #2  
FALMOUTH KY 41040

S. S. COOP--RICHMOND SERVICE  
P.O. BOX 299  
RICHMOND KY 40475

S.S. RUSSELLVILLE COOP  
P.O. BOX 309  
RUSSELLVILLE KY 42276

S. S. COOP. SEBREE SERVICE  
BOX 345  
SEBREE KY 42455

S.S. SHELBYVILLE COOP.  
7TH & BRADSHAW STS.  
SHELBYVILLE KY 40065

S.S. SIMPSON COOP  
301 FINN ST-BOX 210  
FRANKLIN KY 42134

S.S. SOMERSET COOP  
BOX 500-N. HWY 27  
SOMERSET KY 42501

S.S. COOP-TODD SVC.  
P. O. BOX 278  
ELKTON KY 42220

S. S. COOP-VANCEBURG SVC.  
1015 FAIRLANE DR.  
VANCEBURG KY 41179

SPARTA FERTILIZER INC.  
SPARTA KY 41086

SPENCER FARM SERVICE  
TAYLORSVILLE KY 40071

SPRINGFIELD FARM SERVICE  
ROUTE #2  
SPRINGFIELD KY 40069

ST. PAUL AMMONIA PROD. INC.  
P.O. BOX 418  
ST. PAUL MN 55057

THE STADLER FERTILIZER CO.  
BOX 82  
GRAND RAPIDS OH 43522

STANLEY CROP SERVICE  
BOX #37  
STANLEY KY 42375

STANLEY CROP SVC/SMITH-DOUGLAS  
BOX 419  
NORFOLK VA 23501

STERN'S NURSERIES INC  
404 WILLIAM STREET  
GENEVA NY 14456

TABLE 4. (Continued)

STEWART FERTILIZER SERVICE  
MT. VERNON KY 40456

SWIFT CHEMICAL CO.  
% MORGANTOWN FD MILL  
MORGANTOWN KY 42261

STIM-U-PLANT LABORATORIES  
2077 PARKWOOD AVE.  
COLUMBUS OH 43219

SWIFT AGRICULTURAL CHEM CORP  
S ESTILL AVE  
RICHMOND KY 40475

SUMNER FARMERS COOP.  
PORTLAND TN 37148

SWIFT AGRI CHEM CORP.  
% BUCKS B & T SALES  
UTICA KY 42376

SWIFT AGRI CHEM CORP  
111W JACKSON BLVD  
CHICAGO IL 60604

G.M. TAYLOR SEED CO.  
P.O. BOX 485  
GEORGETOWN KY 40324

SWIFT FARM CENTER  
% BUGG BROS  
CLINTON KY 42031

TEATER & CASSITY FARM SER.  
THIRD & DEPOT ST.  
NICHOLASVILLE KY 40356

SWIFT CHEMICAL CO.  
COLUMBIA KY 42728

TEATER BROS & ELLIOTT  
BOX 113  
DANVILLE KY 40422

SWIFT CHEMICAL CO.  
C/C MARTIN & DEWEESE  
CUNNINGHAM KY 42035

TENNESSEE FARMERS COOPERATIVE  
LAVERGNE TN 37086

SWIFT FARM CENTER  
E BERNSTADT KY 40729

TEXAS SULPHUR PRODUCTS CO.  
2801 W OSBERN RD.  
PHOENIX AZ 85017

SWIFT AGRICULTURAL CHEM. CORP.  
P.O. BOX 191  
E. ST. LOUIS IL 62202

TEXAS SULPHUR PRODUCTS CO. INC  
1502 PRIMROSE LANE  
BOGGER TX 79007

SWIFT CHEMICAL CO.  
% TODD CTY GRAIN CO.  
FLKTON KY 42220

THERMOGAS CO. OF HARDINSBURG  
HARDINSBURG KY 40143

SWIFT AGRICULTURAL CHEM CORP  
BOX 548  
HOPKINSVILLE KY 42240

THOMPSON SALES COMPANY  
P. C. BOX 246  
MONTGOMERY AL 36101

TABLE 4. (Continued)

|   |   |
|---|---|
| THURSTON FERTILIZER CO.<br>1500 BLOW AVE.<br>PADUCAH KY 42001     | TRIPLE T CHEMICALS, INC.<br>R.R. #1<br>VINCENNES IN 47591       |
| TOBACCO STATES CHEMICAL CO.<br>BOX 479<br>LEXINGTON KY 40501      | TRIPLE T GRAIN & FERTILIZER<br>R R #1<br>VINCENNES IN 47591     |
| TODD COUNTY SEED<br>TRENTON KY 42286                              | UNION FERTILIZER<br>BOX 87<br>MORGANFIELD KY 42437              |
| TRANSAGRA CORP.<br>1355 LYNNFIELD RD.<br>MEMPHIS TN 38138         | USS AGRI-CHEMICAL<br>RT. 1<br>ADAIRVILLE KY 42202               |
| TOMPKINSVILLE FERTILIZER CO.<br>TOMPKINSVILLE KY 42167            | USS AGRI-CHEMICALS<br>P. O. BOX 1685<br>ATLANTA GA 30301        |
| TRANSVAAL, INC.<br>P.O. BOX 69 MARSHALL<br>JACKSONVILLE AR 72076  | USS FARM SERVICE CENTER<br>BOX 87<br>CAMPBELLSVILL KY 42718     |
| TRANSVAAL, INC.<br>P. O. BOX 25<br>POWDER SPRNGS GA 30073         | USS AGRI-CHEMICALS<br>685 DEKALB IND. WAY<br>DECATUR GA 30033   |
| TRAYLOR CHEM. & SUP. CO.<br>P.O. BOX 343<br>ROYAL CENTER IN 46978 | USS AGRI-CHEMICALS<br>400 WATER ST<br>FRANKLIN KY 42134         |
| TRICO PRODUCTS<br>BOX 1104<br>STORM LAKE IA 50588                 | USS AGRI-CHEMICALS<br>GUTHRIE KY 42234                          |
| TRI-CTY FARM SUPPLY<br>BOX 495, US 25E<br>CORBIN KY 40701         | USS AGRI-CHEMICALS<br>HARDINSBURG KY 40143                      |
| TRIMBLE COOP., INC.<br>MILTON KY 40045                            | USS AGRI-CHEMICALS<br>14TH & WATT ST.<br>JEFFERSONVILL IN 47130 |

TABLE 4. (Continued)

|  |  |
|--|--|
| USS AGRI-CHEMICALS<br>P.O. BOX 90447<br>NASHVILLE TN 37209           | VOLUNTARY PURCHASING GROUPS<br>BOX 460<br>BONHAM TX 75418            |
| USS AGRI-CHEMICALS<br>BOX 90446<br>NASHVILLE TN 37209                | WABASH VALLEY SERVICE CO.<br>909 NORTH COURT<br>GRAYVILLE IL 62844   |
| USS FARM SERVICE CENTER<br>BOX 128<br>UTICA KY 42376                 | WARNER FERTILIZER CO<br>COLUMBIA KY 42728                            |
| U. S. STEEL CORP-FAIRFIELD<br>P. O. BOX 599<br>FAIRFIELD AL 35064    | WARNER FERTILIZER CO<br>PO BOX 764<br>SOMERSET KY 42501              |
| U S STEEL CORP<br>GRANT BLDG ROOM 5988<br>PITTSBURGH PA 15230        | WARNER FERTILIZER CO<br>RUSSELL SPRNG KY 42642                       |
| THE VANCE CO.<br>P. O. BOX 588<br>CHILHOWIE VA 24319                 | WARSAW CHEMICAL CO., INC.<br>BOX 658 ARGONNE RD<br>WARSAW IN 45580   |
| THE VANCE CO.<br>FERTILIZER DIV.<br>FWING VA 24248                   | WEGRO DIV., OLD FORT IND., INC<br>THIRD ST.<br>GRAND RAPIDS OH 43522 |
| VENTURI, INC.<br>1610 ROLLINS RD<br>BURLINGAME CA 94010              | N B WHEELER & SON<br>BOX 8<br>SEDALIA KY 42079                       |
| VICKSBURG CHEMICAL CO.<br>P. O. BOX 3<br>VICKSBURG MS 39180          | MR. WIGGS<br>23175 COMMERCE PK RD<br>CLEVELAND OH 44122              |
| VIRGINIA CHEMICALS INC.<br>3340 W. NORFOLK RD<br>PORTSMOUTH VA 23703 | WOODFORD FEED CO., INC.<br>BOX 116<br>VERSAILLES KY 40383            |
| VISTRON CORP.<br>BOX 628<br>LIMA OH 45802                            | YODER COMPOST, INC.<br>R.R. #1<br>ARCHBOLD OH 43502                  |
| ZINC NATIONAL S.A. APT. 985<br>HILDALGO 640 PTE<br>MONTEREY, N.L. MX |  |

2M--10-76