Regulatory Bulletin 188

ANALYSES OF OFFICIAL FERTILIZER SAMPLES

by the

FEED AND FERTILIZER DEPARTMENT

KENTUCKY AGRICULTURAL EXPERIMENT STATION

SEMI-ANNUAL REPORT
SPRING SEASON
JANUARY-JUNE, 1965

UNIVERSITY OF KENTUCKY, LEXINGTON

FEED AND FERTILIZER DEPARTMENT

KENTUCKY AGRICULTURAL EXPERIMENT STATION

Bruce Poundstone, Chairman
Robert Mathews, Assistant Administrator and Chief Inspector

W. J. Huffman, Registration Inspector
J. M. Fernandez, Auditor-Inspector

FIELD INSPECTORS

Maurice M. Davis
Eugene Vanderpool
Neville Hulette
Noel J. Howard
Wilson M. Routt

LABORATORY STAFF

Valva Midkiff
John T. Adair
Paul R. Caudill
Richard D. Westmoreland
John A. Shrader
John Ellis
Dewey Newman, Jr.
Lelah Gault*
Norma Holbrook
Robert N. Price
Carolyn Sue Witt

* * * * * * * *

*Retired June 15, 1965

This report compiled and prepared by Bruce Poundstone and W. J. Huffman
Analytical data by Laboratory Staff

CONTENTS

This bulletin contains results of analyses of 3,980 official samples of commercial fertilizer made during the period January 1 through June 30, 1965.

Separate tables are provided for the results of analyses of dry fertilizers, liquid fertilizers, organics, unacidualted phosphatic materials, and boron analyses.

EXPLANATION OF TABLES

The information given in the following tables should be useful in determining how nearly a manufacturer is meeting the chemical guarantee printed on the bag or tag for the fertilizer represented by the samples listed. This may be done by comparing the guarantee shown at the beginning of each listing of samples with the actual analysis in the column at the right in terms of nitrogen, available phosphoric acid and potash.

An additional means of comparing guarantees with the analyses of samples is in the percent of relative value found, shown in the column RV. The following examples illustrate how this relative value is calculated:

A 5-10-15 sulfate fertilizer is guaranteed to contain 5 units of nitrogen, 10 units of available phsophoric acid and 15 units of potash. Factors for computing the relative value of these plant foods are: 3 for nitrogen, 2 for available phosphoric acid and 1 for potash. Thus the combined guaranteed value of the product represented is calculated:

5.0 Units of Nitrogen	x 3 =	15.0
10.0 Units of Available Phosphoric Acid	x 2 =	20.0
15.0 Units of Potash	x 1 =	15.0
Total computed guaranteed value		50.0

The same procedure is followed for "found values." Assuming a sample of 5-10-15 was found to contain 5.0 units of nitrogen, 10.2 units of available phosphoric acid and 15.1 units of potash, the relative found value is computed:

5.1 Units of Nitrogen	x 3 =	15.3
10.2 Units of Available Phosphoric Acid	x 2 =	20.4
15.1 Units of Potash	x 1 =	15.1
Total computed value		50.8

50.8 (computed found value of sample) divided by 50.0 (computed guaranteed value) times 100 (to arrive at percentage) gives 101.6 as the percent of relative value found.

The analyses indicated by an astarisk are deficient more than the tolerance. Occasionally an analysis may be found that appears to be inconsistent in its marking. For example, two samples that are guaranteed 10% available phosphoric acid may both be found to contain 9.7%. One of these may have an asterisk and the other not. There are two factors that may cause this difference.

1. These tolerances are calculated by an electronic computer and applied to the laboratory analyses before these data are rounded off to the nearest tenth of a percent. In the above example, the laboratory found 9.66% for one sample and 9.74% for the other. The first one would be starred as deficient.

(Continued)

2. The grade is written by using the largest whole number in the guarantee of each ingredient. For example, a custom-mixed lot of fertilizer may be guaranteed 0.-11.9-11.2. The grade would be written 0-11-11. However, the tolerances are calculated on the 11.9% and 11.2% guarantees.

If this fertilizer analyzed 11.3% A.P.A. and 10.9% potash, the 11.3% A.P.A. would be starred because this analysis is 0.6% units below the 11.9% guarantee.

The use of a high speed computer to make these calculations enables us to apply these tolerances more precisely than has been possible before.

In some samples a deficiency in one nutrient is accompanied by an overrun in another nutrient. This may be evidence of improper mixing or weighing by the manufacturer. Extreme variations of this kind cannot be attributed to separation of materials (segregation) after the product is bagged though this may be a minor factor. Excess of one nutrient cannot compensate for deficiency of another nutrient. The purchaser is entitled to receive the full guarantee for all nutrients as expressed by the manufacturer's guaranteed analysis.

EXPLANATION OF CERTAIN COLUMNS

The letters NIT after a grade means that the product is or that it contains Nitrate of Potash. The W/B after a grade indicates that the sample contained boron (see table 5 for boron analyses). The column headed "Num" lists the laboratory number of the particular sample. The column headed "XS CL", an asterisk indicates the sample did not meet the guarantee for sulfate of potash. The RV column shows the percent of relative value found. The PHYS column shows the physical form of the fertilizer when sampled.

The first digit indicates:
1 = chemically combined
2 = dry blend

The second digit indicates:
1 = pulverized, bag
2 = pulverized, bulk
3 = semi-granular, bag
4 = semi-granular, bulk
5 = granular, bag
6 = granular, bulk
7 = pellet, bag
8 = pellet, bulk
9 = liquid
0 = slurry

Example: Chemically combined, granular, bag = 15

This bulletin contains results of analyses of 3,980 official samples of commercial fertilizer made during the period January 1 through June 30, 1965.

Separate tables are provided for the results of analyses of dry fertilizers, liquid fertilizers, organics, unacidualted phosphatic materials, and boron analyses.

EXPLANATION OF TABLES

The information given in the following tables should be useful in determining how nearly a manufacturer is meeting the chemical guarantee printed on the bag or tag for the fertilizer represented by the samples listed. This may be done by comparing the guarantee shown at the beginning of each listing of samples with the actual analysis in the column at the right in terms of nitrogen, available phosphoric acid and potash.

An additional means of comparing guarantees with the analyses of samples is in the percent of relative value found, shown in the column RV. The following examples illustrate how this relative value is calculated:

A 5-10-15 sulfate fertilizer is guaranteed to contain 5 units of nitrogen, 10 units of available phsophoric acid and 15 units of potash. Factors for computing the relative value of these plant foods are: 3 for nitrogen, 2 for available phosphoric acid and 1 for potash. Thus the combined guaranteed value of the product represented is calculated:

5.0 Units of Nitrogen	x 3 =	15.0
10.0 Units of Available Phosphoric Acid	x 2 =	20.0
15.0 Units of Potash	x 1 =	15.0
Total computed guaranteed value		50.0

The same procedure is followed for "found values." Assuming a sample of 5-10-15 was found to contain 5.0 units of nitrogen, 10.2 units of available phosphoric acid and 15.1 units of potash, the relative found value is computed:

5.1 Units of Nitrogen	x 3 =	15.3
10.2 Units of Available Phosphoric Acid	x 2 =	20.4
15.1 Units of Potash	x 1 =	15.1
Total computed value		50.8

50.8 (computed found value of sample) divided by 50.0 (computed guaranteed value) times 100 (to arrive at percentage) gives 101.6 as the percent of relative value found.

The analyses indicated by an astarisk are deficient more than the tolerance. Occasionally an analysis may be found that appears to be inconsistent in its marking. For example, two samples that are guaranteed 10% available phosphoric acid may both be found to contain 9.7%. One of these may have an asterisk and the other not. There are two factors that may cause this difference.

1. These tolerances are calculated by an electronic computer and applied to the laboratory analyses before these data are rounded off to the nearest tenth of a percent. In the above example, the laboratory found 9.66% for one sample and 9.74% for the other. The first one would be starred as deficient.

(Continued)

2. The grade is written by using the largest whole number in the guarantee of each ingredient. For example, a custom-mixed lot of fertilizer may be guaranteed 0.-11.9-11.2. The grade would be written 0-11-11. However, the tolerances are calculated on the 11.9% and 11.2% guarantees.

If this fertilizer analyzed 11.3% A.P.A. and 10.9% potash, the 11.3% A.P.A. would be starred because this analysis is 0.6% units below the 11.9% guarantee.

The use of a high speed computer to make these calculations enables us to apply these tolerances more precisely than has been possible before.

In some samples a deficiency in one nutrient is accompanied by an overrun in another nutrient. This may be evidence of improper mixing or weighing by the manufacturer. Extreme variations of this kind cannot be attributed to separation of materials (segregation) after the product is bagged though this may be a minor factor. Excess of one nutrient cannot compensate for deficiency of another nutrient. The purchaser is entitled to receive the full guarantee for all nutrients as expressed by the manufacturer's guaranteed analysis.

EXPLANATION OF CERTAIN COLUMNS

The letters NIT after a grade means that the product is or that it contains Nitrate of Potash. The W/B after a grade indicates that the sample contained boron (see table 5 for boron analyses). The column headed "Num" lists the laboratory number of the particular sample. The column headed "XS CL", an asterisk indicates the sample did not meet the guarantee for sulfate of potash. The RV column shows the percent of relative value found. The PHYS column shows the physical form of the fertilizer when sampled.

The first digit indicates:
1 = chemically combined
2 = dry blend

The second digit indicates:
1 = pulverized, bag
2 = pulverized, bulk
3 = semi-granular, bag
4 = semi-granular, bulk
5 = granular, bag
6 = granular, bulk
7 = pellet, bag
8 = pellet, bulk
9 = liquid
0 = slurry

Example: Chemically combined, granular, bag = 15

COMPANIES REPRESENTED BY SAMPLES REPORTED IN THIS BULLETIN

Allied Chemical Corporation
Nitrogen Division
P. O. Drawer 61
Hopewell, Virginia 23860

American Agricultural Chemical Company
100 Church Street
New York, New York 10007

American Cyanamid Company
Agricultural Division
P. O. Box 400
Princeton, New Jersey 08540

Armour Agricultural Chemical Company
350 Hurt Building
Atlanta, Georgia 30301

Bale Fertilizer Company
Horse Cave
Kentucky 42749

Bartlett & O' Bryan Fertilizer Company
108 River Road
Owensboro, Kentucky 42302

Bluegrass Plant Foods, Inc.
Cynthiana
Kentucky 41031

Bunton Seed Company
939 Jefferson Street
Louisville, Kentucky 40202

Burley Belt Fertilizer Company
Route #4
Lexington, Kentucky 40505

California Chemical Company
Lucas & Ortho Way
Richmond, California 94801

Carlisle Fertilizer Company
Bardwell
Kentucky 42023

Cecil Farm Supply
Stanley
Kentucky 42375

Chilean Nitrate Sales Corporation
120 Broadway
New York, New York 10005

Christian County Supply Company
Skyline Drive
Hopkinsville, Kentucky 42240

Cline Fertilizer Company
Ewing
Virginia 24248

Coastal Chemical Company
Yazoo City
Mississippi 39194

Commercial Solvents Corporation
260 Madison Avenue
New York, New York 10016

Commonwealth Fertilizer Company
Morgantown Road
Russellville, Kentucky 42276

Cooperative Fertilizer Service
Southern States Building
Richmond, Virginia 23213

Darling & Company
4201 S. Ashland Avenue
Chicago, Illinois 60609

Elanco Products Company
Division of Eli Lilly & Company
740 Alabama Street
Indianapolis, Indiana 46206

E'town Fertilizer Company
Cecilia
Kentucky 42724

Farmers Chemical Association
P. O. Box 67
Tyner, Tennessee 37392

Federal Chemical Company
646 Starks Building
Louisville, Kentucky 40202

Glasgow Fertilizer Company
Industrial Avenue
Glasgow, Kentucky 42141

W. R. Grace & Company
Davison Chemical Division
101 N. Charles Street
Baltimore, Maryland 21203

(Continued)

Companies Represented by Samples Reported in this Bulletin (Continued)

W. R. Grace & Company
Nitrogen Division
P. O. Box 4915
Memphis, Tennessee 38101

Green Valley Farm Supply Company
Island
Kentucky 42350

Gro-Green Chemical Company
P. O. Box 132
Shelbyville, Kentucky 40065

Howe-Hilliard Grain Company
Mayfield, Kentucky 42066

Hutson Chemical Company
Railroad Avenue
Murray, Kentucky 42071

Hydroponic Chemical Company
P. O. Box 97 - C
Copley, Ohio 44321

International Minerals & Chemical Corp.
P. O. Box 67 - Lockland Station
Cincinnati, Ohio 45215

Kenco Fertilizer Company
Bowling Green
Kentucky 42101

Kentucky Fertilizer Works, Inc.
P. O. Box 595
Winchester, Kentucky 40391

S. S. Kresge Company
16143 Wyoming Street
Detroit, Michigan 48221

Land-O-Nan
Spencer Chemical Division
Gulf Oil Company
Sturgis, Kentucky 42459

Lincoln Farm Service
Stanford
Kentucky 40484

Mid-South Chemical Division
Continental Oil Company
1222 Riverside Blvd.
Memphis, Tennessee 38106

Mississippi Chemical Corporation
Yazoo City
Mississippi 39194

Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166

North American Fertilizer Company
Preston Street at Bergman
Louisville, Kentucky 40217

Ohio Valley Fertilizer
P. O. Box 799
Maysville, Kentucky 41056

Olin Mathieson Chemical Corporation
P. O. Box 991
Little Rock, Arkansas 72203

Phillips Petroleum Company
Adams Building
Bartlesville, Oklahoma 74004

Robin Jones Phosphate Company
204 - 23rd Avenue, North
Nashville, Tennessee 37203

F. S. Royster Guano Company
Price Chemical Division
P. O. Drawer 1940
Norfolk, Virginia 23501

Ruhm Phosphate & Chemical Company
P. O. Box 361
Columbia, Tennessee 38402

Sadler Fertilizer Company
Union City
Tennessee 38261

Schrock Division
Tuloma Gas Products Company
P. O. Box 591
Tulsa, Oklahoma 74101

O. M. Scott & Sons Company
Marysville
Ohio 43040

Sewerage Commission, City
of Milwaukee
P. O. Box 2079
Milwaukee, Wisconsin 53201

(Continued)

Companies Represented by Samples Reported in this Bulletin (Continued)

Southern Nitrogen Company, Inc.
Box 246
Savannah, Georgia 31402

Southern States Clark County Cooperative
Winchester
Kentucky 40391

Spencer Chemical Division
Gulf Oil Company
610 Dwight Building
Kansas City, Missouri 64105

Stewart Fertilizer Service, Inc.
Mt. Vernon
Kentucky 40456

Swift & Company
Agricultural Chemical Division
National Stock Yards, Illinois 62071

Tennessee Corporation
2521 Glendale-Milford Road
Cincinnati, Ohio 45241

Tennessee Farmers Cooperative
LaVergne
Tennessee 37086

Thompson Sales Company
Box 246
Montgomery, Alabama 36101

Tobacco States Chemical Company
P. O. Box 479
Lexington, Kentucky 40501

Tri-State Fertilizer
Spencer Chemical Division
Gulf Oil Company
Henderson, Kentucky 42420

Union Fertilizer Company
Morganfield
Kentucky 42437

United States Steel Corporation
P. O. Box 599
Fairfield, Alabama 35064

Valley Counties of Kentucky Coop.
P. O. Box 127
Benton, Kentucky 42025

V-C Chemical Company
Div. Secony Mobile Oil Company
401 E. Main Street
Richmond, Virginia 23208

West Kentucky Liquid Fertilizer
Div. W. R. Grace & Company
Nitrogen Products Division
Hopkinsville, Kentucky 42240

Wathen Farm Service
Madisonville
Kentucky 42431

BLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

RICAN AGRI. CHEM. CO. GRADE	NUM	CINCINNATI N	APA	OHIO POT	XS CL	RV	PHYS
0-20- 0	12136	0.	18.5*	0.		93*	11
0-20- 0	11636	0.	20.1	0.		100	16
0-20-20M	10203	0.	19.3*	22.2		101	15
0-20-20M	10443	0.	18.8*	21.7		99	15
0-20-20M	11316	0.	18.8*	21.0		98	15
0-20-20M	11627	0.	18.4*	23.5		100	15
0-20-20M	11631	0.	19.9	21.7		103	15
0-20-20M W/B	11013	0.	18.8*	21.3		98	15
0-20-20M W/B	11015	0.	20.7	19.6		102	15
3-12-12M	1268	3.3	11.9	13.6		105	15
4-12- 8M	11856	4.2	14.0	8.9		112	13
4-12- 8M	672	3.6*	12.2	8.0		98	15
4-12- 8M	1267	3.9	12.2	8.9		102	15
4-12- 8M	10010	4.1	12.0	8.2		101	15
4-12- 8M	10066	4.1	12.1	8.6		103	15
4-12- 8M	10202	3.9	11.9	8.9		101	15
4-12- 8M	10440	4.2	11.9	8.7		102	15
4-12- 8M	10533	4.5	11.9	8.9		105	15
4-12- 8M	10950	4.2	12.2	8.7		104	15
4-12- 8M	11021	4.1	12.2	8.6		103	15
4-12- 8M	11317	4.3	12.3	8.6		105	15
4-12- 8M	11632	4.4	12.1	8.6		105	15
5-10-15S	11633	4.9	9.9	15.6		100	11
5-10-15S	668	5.0	9.9	15.7		101	15
5-10-15S	669	4.9	10.3	16.0		102	15
5-10-15S	1263	5.0	9.8	15.4		100	15
5-10-15S	1264	4.9	9.9	15.4		100	15
5-10-15S	1714	5.2	10.0	15.5		102	15
5-10-15S	1715	5.2	9.8	15.2		101	15
5-10-15S	10011	5.1	10.0	15.3		101	15
5-10-15S	10069	5.3	9.9	16.0		103	15
5-10-15S	10197	4.8	10.2	16.6		103	15
5-10-15S	10200	4.9	10.0	15.1		99	15
5-10-15S	10294	5.0	9.9	15.7		101	15
5-10-15S	10534	4.9	9.7	16.2		101	15
5-10-15S	10543	5.1	9.8	16.0		102	15
5-10-15S	10948	5.3	9.4*	16.9		103	15
5-10-15S	11012	5.3	9.9	14.9		101	15
5-10-15S	11909	5.5	9.9	14.8		102	15
5-10-15S	11917	5.0	10.1	15.1		101	15
5-10-15S	11637	5.2	11.0	16.2		108	16
5-10-15S	11638	4.9	11.1	14.0*	*	102	16
5-20-20M	676	4.8	19.5*	20.3		98	15
5-20-20M	1266	5.0	20.1	20.2		101	15
5-20-20M	10193	5.0	19.7	20.2		99	15
5-20-20M	10199	4.7*	20.0	20.8		100	15
5-20-20M	10535	5.0	19.6	20.6		100	15
5-20-20M	11022	4.9	19.6	19.8		98	15
5-20-20M	11347	4.8	19.6	20.8		99	15
5-20-20M	11502	5.0	19.9	20.1		100	15
5-20-20M	11912	5.1	19.7	19.2*		98	15
5-20-20M	12232	4.9	19.9	19.9		99	16
6- 6-18S	677	5.5*	6.7	19.3		103	15
6- 6-18S	10295	5.5*	6.2	19.0		100	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

AMERICAN AGRI. CHEM. CO.		CINCINNATI OHIO			CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHY
6- 6-18S	12105	6.1	6.5	17.7		102	15
6- 8- 6S	670	6.2	8.1	6.3		103	15
6- 8- 6S	11137	5.5*	8.4	7.3	*	101	15
6- 8- 6S	11348	5.9	8.0	6.9		101	15
6- 8- 6S	11634	5.7*	8.1	7.0		101	15
6- 8- 6S	11958	5.9	8.4	6.9		104	15
6- 8- 6S	12084	6.1	8.2	6.2		102	15
6-12-12M	11911	6.1	11.7	12.9		101	13
6-12-12M	10067	5.7*	11.5*	12.9		98	15
6-12-12M	10201	5.6*	11.8	12.6		98	15
6-12-12M	10296	5.8	11.7	13.4		100	15
6-12-12M	10441	6.2	12.3	12.6		103	15
6-12-12M	10525	5.8	11.7	12.8		99	15
6-12-12M	10930	6.0	12.3	12.7		103	15
6-12-12M	10949	6.2	11.7	12.8		101	15
6-12-12M	11503	6.3	12.1	12.7		104	15
6-12-12M	11639	6.2	12.1	12.7		103	15
6-12-12M	11857	6.2	11.7	12.8		101	15
6-12-12M	12248	6.1	11.9	12.6		101	15
6-12-18S	10293	5.5*	12.3	18.4		99	15
6-12-18S	11349	6.2	12.5	17.9		102	15
6-24-12M	10312	5.8	24.6	12.3		101	15
8- 8-18S	675	7.8	7.8	18.7		99	15
8- 8-18S	10106	7.6*	8.0	18.7		99	15
8- 8-18S	11138	7.9	8.3	17.7		100	15
8- 8-18S	12135	7.8	8.1	18.0		99	15
8- 8-18S	11534	7.8	8.2	18.5		101	16
8-32-16M	12039	7.0*	30.8*	18.2		97*	14
8-32-16M	11520	7.2*	31.4	17.5		98	16
10- 6- 4M	10068	10.2	6.2	4.8		104	15
10-10-10M	633	9.9	9.9	10.1		99	13
10-10-10M	11959	10.1	10.3	10.1		101	13
10-10-10M	10297	9.5*	10.6	10.4		100	15
12-12-12M	673	12.0	12.4	12.3		102	15
12-12-12M	674	11.8	12.6	12.6		102	15
12-12-12M	1265	11.3*	12.4	13.2		100	15
12-12-12M	1716	11.5*	12.6	12.7		101	15
12-12-12M	10313	11.9	11.6*	13.2		100	15
12-12-12M	10442	12.2	11.5*	12.4		100	15
12-12-12M	10577	11.5*	12.5	12.8		100	15
12-12-12M	11020	11.9	12.5	11.6*		100	15
12-12-12M	11136	11.9	11.8	13.6		101	15
12-12-12M	11139	11.5*	12.3	13.7		101	15
12-12-12M	11635	11.8	12.6	13.6		103	15
12-12-12M	12027	11.9	12.4	12.7		102	15
16- 8- 8M	671	15.6	8.7	8.6		101	15
16- 8- 8M	10387	16.0	8.6	8.1		102	15
16- 8- 8M	11504	16.1	8.3	7.7		101	15
AMERICAN AGRI. CHEMICAL CO.		GREENSBORO N.C.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
11-11-11M W/B	10599	11.7	11.9	13.1		103	25
11-11-11M W/B	10600	11.5	11.9	12.6		104	25
AMERICAN AGRI. CHEMICAL CO.		DANVILLE ILL.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-10M	10364	4.8	19.3*	10.1		97*	15

ABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

ERICAN AGRI. CHEMICAL CO.		LONDON KY.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 9-27M W/B	10928	0.	8.8	26.9		99	11
0-20- 0	2287	0.	20.6	0.		103	11
0-20- 0	12088	0.	19.9	0.		100	11
0-20- 0	10491	0.	17.9*	0.		89*	12
0-20-20M	10578	0.	20.0	20.4		101	11
0-20-20M	11040	0.	19.6	20.5		100	11
0-20-20M	2238	0.	20.3	20.6		102	12
0-20-20M	10490	0.	19.7	20.3		99	12
0-20-20M	11578	0.	20.0	20.3		100	12
0-20-20M	10125	0.	19.6	20.4		99	21
0-20-20M	10156	0.	20.4	19.9		101	21
0-20-20M	10558	0.	19.9	21.0		101	21
0-20-20M	11389	0.	19.8	19.4*		98	22
0-20-20M W/B	11386	0.	22.6	17.8*		105	22
0-30-30M	2240	0.	29.6	29.6		99	12
0-30-30M	10931	0.	30.3	27.6*		98	25
0-46- 0	291	0.	46.3	0.		101	13
3- 9- 6M	2245	3.1	9.1	6.8		104	11
3- 9- 6M	10153	3.1	10.3	6.1		109	11
3- 9- 6M	11053	3.0	9.0	6.2		101	11
3- 9- 6M	12085	3.3	9.3	6.6		107	11
3-12-12M	2246	3.0	12.0	12.9		102	11
4-12- 8M	2235	4.2	11.9	8.7		103	11
4-12- 8M	10124	4.0	12.1	8.0		101	11
4-12- 8M	11902	4.3	12.0	8.3		102	11
4-12- 8M	12091	4.1	12.1	8.7		103	11
4-12- 8M	12148	4.3	12.2	8.1		103	11
4-12- 8M	10493	4.2	11.8	8.9		102	12
4-12- 8M	11387	4.2	12.3	8.0		103	12
4-16- 4S	10194	4.0	15.9	4.5		101	11
4-16- 4S	10388	4.1	16.2	4.2		102	11
4-16- 4S	10444	4.1	15.9	4.0		100	11
4-16- 4S	10298	4.0	16.1	4.2		101	15
5-10-10M	10126	5.0	9.9	10.5		101	11
5-10-10M	10154	4.9	10.0	10.4		100	11
5-10-10M	10481	5.0	9.8	10.4		100	11
5-10-10M	10579	5.3	9.9	10.6		103	11
5-10-10M	12086	4.9	9.6*	9.9		97*	11
5-10-10M	12092	5.1	10.2	10.9		104	11
5-10-10M	12149	5.0	10.7	10.2		104	11
5-10-15M	11903	5.1	10.1	14.5*		100	11
5-10-15S	1273	5.0	9.9	15.5		101	11
5-10-15S	1327	4.8	10.4	14.8		100	11
5-10-15S	2242	5.0	9.6*	15.4		99	11
5-10-15S	2243	5.0	10.1	14.2*		99	11
5-10-15S	10561	5.2	10.0	15.8		103	11
5-10-15S	10836	5.2	9.8	16.3		103	11
5-10-15S	11054	5.1	9.9	14.9		100	11
5-10-15S	12133	5.1	9.9	15.7		101	11
5-10-15S	11390	5.0	10.2	14.4*		99	12
5-10-15S	11579	5.1	10.3	15.0		102	12
5-10-15S	10198	5.1	9.8	15.2		100	15
5-10-15S	2285	4.8	10.2	14.8		99	21
5-20-20M	2236	4.7*	20.1	20.5		100	11
5-20-20M	2263	5.1	20.3	20.2		101	11
5-20-20M	10123	4.8	20.0	20.1		99	11
5-20-20M	10559	5.0	20.0	19.9		100	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

AMERICAN AGRI. CHEMICAL CO.		LONDON KY. CONT.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHY
5-20-20M	11189	5.1	19.7	20.2		100	11
5-20-20M	11971	5.1	19.5*	19.9		99	11
5-20-20M	12093	5.1	19.6	20.0		99	11
5-20-20M	10492	5.0	20.0	19.6		99	12
5-20-20M	11577	5.1	16.5*	18.6*		89*	12
5-20-20M	12199	5.2	19.8	19.6		100	12
6- 6-18S	1272	5.7*	5.6*	18.4		97*	11
6- 6-18S	2241	5.6*	8.0	15.8*		101	11
6- 6-18S	10017	5.9	5.9	18.3		99	11
6- 6-18S	10128	6.0	5.9	18.2		100	11
6- 6-18S	11779	6.2	6.1	17.9		101	11
6- 6-18S	12145	6.0	5.9	18.4		100	11
6-12-12M	2239	6.1	12.6	12.0		103	11
6-12-12M	12087	6.2	11.9	12.0		101	11
8- 8-18S	1274	7.0*	8.0	17.0*		93*	11
8-10-15S	2244	7.8	10.2	14.5*		99	11
8-10-15S	11694	7.7*	10.2	14.5*		98	11
8-10-15S	12134	7.7*	10.4	14.2*		98	11
10-10-10M	2237	10.2	9.8	10.5		101	11
10-10-10M	2262	10.0	10.4	10.6		102	11
10-10-10M	10127	10.1	10.0	9.9		100	11
10-10-10M	10155	10.1	9.9	10.1		100	11
10-10-10M	10560	9.9	10.0	10.7		101	11
10-10-10M	10837	10.0	10.2	10.6		102	11
10-10-10M	11141	10.0	10.1	10.5		101	11
10-10-10M	11901	10.1	10.6	10.5		103	11
10-10-10M	12026	9.7	10.6	10.4		101	11
10-10-10M	11371	8.9*	10.7	10.2		97*	12
10-10-10M	11580	10.2	10.1	10.1		101	12
10-10-10M	10929	10.4	9.9	10.1		102	15
10-10-10M	2286	9.9	10.4	9.8		100	21
10-10-10M	11388	10.2	9.9	10.2		101	22
12-12-12M	11041	12.0	11.8	11.9		99	11
12-12-12M	12094	11.6*	13.4	11.7		102	11
12-12-12M	12361	11.4*	11.8	12.0		97*	11
12-12-12M	10580	11.6*	11.8	12.2		98	13
20-20- 5M	11629	20.1	20.7	4.9		101	11
AMERICAN AGRI. CHEMICAL CO.		NASHVILLE TENN					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-18- 0	11478	0.	19.1	0.		106	12
0-20- 0	10249	0.	19.9	0.		99	15
0-25-25M	1222	0.	25.1	25.4		101	14
0-25-25M	1743	0.	23.0*	22.5*		91*	15
0-25-25M	10075	0.	23.8*	25.3		97*	15
0-25-25M	10248	0.	24.7	22.8*		96*	15
0-25-25M	10363	0.	23.4*	24.5*		95*	15
0-25-25M	12233	0.	23.9*	24.5		97*	15
0-25-25M	11480	0.	24.6	23.5*		97*	16
0-25-25M	12036	0.	23.9*	24.6		97*	16
3- 9- 6S	10374	3.1	9.0	6.3	*	102	15
3- 9-18M W/B	10901	3.2	9.5	19.7		107	15
4- 9- 3S	269	3.9	9.2	3.6		102	13
4-12- 8M	10074	3.9	11.8	7.9		98	15
5-10-15S	10077	4.9	10.2	15.1		100	13
5-10-15S	11695	5.1	10.3	14.6*		101	13
5-10-15S	11479	5.5	10.3	14.7		104	14
5-10-15S	11699	5.0	10.1	15.2		101	14

ABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January - June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

ERICAN AGRI. CHEMICAL CO.		NASHVILLE TENN		CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15S	12037	5.5	10.2	14.9		104	14
5-10-15S	10076	4.2*	11.8	15.5	*	104	15
5-10-15S	10375	5.1	10.2	14.4*	*	100	15
5-10-15S	10601	5.1	10.3	14.2*	*	100	15
5-10-15S	10900	5.2	10.4	15.1		103	15
5-10-15S	11505	5.4	9.9	14.9		102	15
5-10-15S	11588	5.3	10.3	15.4		104	15
5-10-15S	11770	5.4	10.0	14.6*		102	15
5-10-15S	11230	4.8	10.6	15.8	*	103	16
5-20-10M	11467	5.0	19.2*	10.6		99	15
5-20-10M	11613	4.8	18.8*	10.2		96*	16
5-20-20M	11697	5.2	19.5	19.9		99	13
5-20-20M	1223	4.7*	19.8	20.1		98	14
5-20-20M	11481	5.2	19.0*	20.9		99	14
5-20-20M	11612	5.2	20.7	17.3*		99	14
5-20-20M	11696	5.3	19.4*	19.4*		99	14
5-20-20M	12035	5.1	19.5*	19.8		99	14
5-20-20M	1326	4.7*	19.8	20.2		99	15
5-20-20M	10073	4.4*	19.4*	20.4		96*	15
5-20-20M	10245	5.3	19.2*	19.8		99	15
5-20-20M	10336	5.2	19.0*	19.7		98	15
5-20-20M	10365	5.2	19.4*	20.1		99	15
5-20-20M	11157	5.3	19.7	19.3*		99	15
5-20-20M	11464	5.5	20.3	17.9*		100	15
5-20-20M	11587	5.4	19.5*	20.9		101	15
5-20-20M	11771	5.3	19.5*	19.8		100	15
6-12-12M	12360	5.9	11.9	11.5*		98	11
6-12-12M	10072	6.0	12.0	12.2		100	15
6-12-12M	10246	5.7*	12.3	12.9		101	15
6-12-12M	10362	5.8	12.5	12.5		102	15
6-12-12M	11506	5.9	11.9	12.6		100	15
6-12-12M	11589	6.2	12.1	12.4		102	15
6-12-12M	11700	5.8	12.2	12.3		100	15
6-12-12M	11772	6.2	12.1	12.6		103	15
6-12-12M	12218	5.6*	11.9	13.3		100	15
6-12-12M	12291	6.0	11.7	12.3		99	15
6-12-12M	11232	6.1	12.3	13.3		104	16
6-12-18S	11698	6.0	12.6	18.4	*	103	13
10-10-10M	1221	9.6*	10.1	10.2		99	14
10-10-10M	1276	9.8	10.4	10.1		100	14
10-10-10M	12038	10.7	10.2	10.7		105	14
10-10-10M	1744	9.9	10.1	10.2		100	15
10-10-10M	12089	9.8	10.5	10.3		101	15
10-10-15S	11231	9.9	10.4	14.3*		100	16
12-12-12M	10247	10.4*	12.8	12.0		96*	15
12-12-12M	11773	11.0*	12.3	13.4		99	15
12-12-12M	12292	11.5*	12.4	12.0		99	15

MERICAN AGRI. CHEMICAL CO.		NA. ST. YDS. ILL.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	11615	5.3	20.3	19.8		102	15
5-20-20M	12219	5.2	20.5	20.6		103	15
6-12-12M	10581	6.1	12.4	11.5*		101	11
12-12-12M	11614	11.9	12.9	13.8		105	15

MERICAN AGRI. CHEM. CO.		NEW YORK N.Y.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-60M	12090	0.	0.	59.5		99	15
0-20- 0	10065	0.	20.1	0.		100	13

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

AMERICAN AGRI. CHEM. CO.		NEW YORK		N.Y.	CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHY
6-10- 4M	270	5.5*	9.7*	5.3		98	15
10-10-10M	12323	10.3	9.6*	10.4		101	11
18-46- 0	12004	18.2	44.8*	0.		99	16
33- 0- 0	11972	33.7	0.	0.		101	17
AMERICAN AGRI. CHEMICAL CO.		SEYMOUR		IND.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHY
0-25-25M	10952	0.	25.2	25.4		101	15
0-25-25M	12282	0.	24.7	26.4		101	15
5-10-15S	10953	5.0	9.9	15.2		100	15
5-10-15S	11854	5.4	10.1	14.9		103	15
5-15-30M	12234	4.8	14.9	30.3		99	15
5-20-20M	1745	5.0	20.0	19.9		100	15
5-20-20M	10389	5.1	20.2	20.2		101	15
5-20-20M	10951	5.1	20.4	20.5		102	15
5-20-20M	11507	5.3	19.9	20.4		101	15
5-20-20M	11853	5.0	19.4*	21.6		101	15
5-20-20M	11855	5.0	19.7	21.4		101	15
5-20-20M	12235	4.8	19.7	20.2		99	15
5-20-20M	12283	5.0	20.0	20.3		100	15
5-20-20M	10899	5.2	19.8	20.2		101	16
12-12-12M	10390	12.0	12.1	12.7		101	15
12-12-12M	10954	12.2	11.9	12.0		101	15
12-12-12M	11852	12.3	11.8	13.1		102	15
12-12-12M	12284	12.1	12.0	12.3		101	15
16- 8- 8M	10064	15.7	8.4	8.6		101	15
AMERICAN CYANAMID COMPANY		PRINCETON		N.J.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-46- 0	10643	0.	46.7	0.		102	15
0-46- 0	12276	0.	46.9	0.		102	15
33- 0- 0	12342	33.8	0.	0.		101	17
AMERICAN CYANAMID COMPANY		CHICAGO		ILL.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-46- 0	11946	0.	46.6	0.		101	15
ARMOUR AGRI. CHEMICAL CO.		ATLANTA		GA.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5- 5- 0	11205	5.4	4.9	0.		104	11
5-10- 5M	10976	5.5	9.9	5.4		105	11
5-10- 5S	1748	5.8	9.9	5.4		106	13
5-10- 5S	1750	6.2	9.6*	5.1		107	13
5-10- 5S	10339	5.1	9.7	5.7		101	13
5-10- 5S	10636	5.2	9.9	6.0		103	13
5-10- 5S	10605	5.5	9.9	5.7		105	15
5-10- 5S	10608	6.0	10.0	5.1		108	15
6-12-12M	12162	6.0	12.3	12.5		102	11
15-15-15M	10609	14.8	15.0	15.1		99	15
15-15-15M	11193	14.6*	15.9	16.0		102	17
15-40- 5M	12117	15.3	40.8	5.8		102	15
20-20- 5M	253	12.1*	17.2*	0.1*		67*	15
20-20- 5M	1770	11.4*	17.0*	0. *		65*	27
33- 0- 0	10129	34.3	0.	0.		102	17
33- 0- 0	10610	33.8	0.	0.		101	17
33- 0- 0	10866	33.9	0.	0.		101	17
ARMOUR AGRI. CHEMICAL CO.		CHEROKEE		ALA.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
8-32-16M	2321	8.7	33.0	15.6		104	17
12-24-24M	11498	12.1	23.6	24.7		100	15
12-24-24M	11743	11.9	24.4	24.8	*	101	15

ABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

MOUR AGRI. CHEMICAL CO.		CHEROKEE	ALA.	CONT.		
GRADE	NUM	N APA	POT	XS CL	RV	PHYS
15-15-15M	2318	15.0 15.3	14.4*		100	17
15-40- 5M	2314	14.9 39.4	6.2		100	17
MOUR AGRICULTURAL CHEM. CO.		CINCINNATI	OHIO			
GRADE	NUM	N APA	POT	XS CL	RV	PHYS
0-20- 0	10587	0. 19.9	0.		100	13
0-20-20M	10314	0. 19.0*	18.8*		95*	15
0-20-20M	10467	0. 20.6	19.4*		101	15
0-20-20M	10474	0. 20.0	19.7		100	15
0-20-20M	10588	0. 19.7	19.5*		98	15
0-20-20M	10771	0. 19.5	20.5		99	15
0-20-20M	10971	0. 20.8	19.7		102	15
0-20-20M	11952	0. 20.0	19.5*		99	15
3-12-12M	10747	3.1 12.3	12.3		103	15
3-12-12M	11928	3.5 11.9	11.8		103	15
3-12-24M	10122	3.7 12.1	22.4*		101	16
4-12- 8M	10748	4.3 12.8	8.4		107	11
4-12- 8M	591	4.2 12.2	8.6		104	15
4-12- 8M	10303	4.6 13.2	9.9		114	15
4-12- 8M	10308	4.0 13.2	8.7		107	15
4-12- 8M	10315	3.9 12.7	8.4		103	15
4-12- 8M	10468	4.7 11.3*	8.3		102	15
4-12- 8M	10523	4.4 12.4	8.7		106	15
4-12- 8M	10589	4.5 13.4	11.0		116	15
4-12- 8M	11180	4.5 11.7	9.3		105	15
4-16- 4S	10223	6.0 14.4*	7.2	*	113	13
5-10- 5S	10469	5.6 10.1	5.7	*	107	11
5-10-10M	236	5.1 12.1	12.5		116	15
5-10-10M	634	4.9 10.2	9.9		100	15
5-10-10M	638	4.5* 11.0	10.5		102	15
5-10-10M	10304	5.0 10.4	11.0		104	15
5-10-10M	10470	5.1 10.4	9.2*		100	15
5-10-10M	10475	5.3 10.6	10.2		105	15
5-10-10M	10478	4.9 10.1	11.2		102	15
5-10-10M	10479	4.9 10.4	10.5		102	15
5-10-10M	10482	5.5 10.3	10.5		106	15
5-10-10M	10977	5.6 10.8	9.6*		107	15
5-10-10M	11116	5.4 10.5	9.2*		103	15
5-10-10M	12028	5.0 10.7	9.9		103	15
5-10-15S	559	5.8 11.4	14.5*	*	110	13
5-10-15S	10132	4.9 10.2	15.0		100	13
5-10-15S	10133	4.9 9.8	15.4		99	13
5-10-15S	10189	5.0 10.2	14.7		100	13
5-10-15S	10536	4.9 10.3	14.4*		99	13
5-10-15S	10638	4.9 11.2	13.8*		102	13
5-10-15S	10749	4.9 10.5	14.8		101	13
5-10-15S	248	5.1 11.6	16.9	*	111	15
5-10-15S	620	4.5* 10.2	14.7		97*	15
5-10-15S	637	5.0 9.9	15.7		101	15
5-10-15S	644	5.2 10.1	14.6*		101	15
5-10-15S	10305	5.0 10.1	15.1	*	101	15
5-10-15S	10307	4.9 10.3	14.6		100	15
5-10-15S	10309	5.0 11.1	15.5	*	106	15
5-10-15S	10471	5.3 10.0	14.9		102	15
5-10-15S	11115	5.2 10.2	15.0		102	15
5-10-15S	11649	5.0 10.5	13.7*	*	100	15
5-10-15S	12029	5.1 10.4	14.9		102	15
5-10-15S	12030	5.1 9.8	15.3		100	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

ARMOUR AGRICULTURAL CHEM. CO.		CINCINNATI		OHIO	CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-20S	11117	5.3	11.2	20.1		106	15
5-20-20M	621	4.8	20.0	18.6*		97*	15
5-20-20M	639	4.8	20.6	19.0*		99	15
5-20-20M	10316	4.8	19.4*	20.2		98	15
5-20-20M	10972	4.8	19.5*	20.1		98	15
5-20-20M	10978	5.1	18.9*	19.7		97*	15
5-20-20M	11353	5.3	19.2*	18.6*		97*	15
5-20-20M	12354	5.2	19.4*	20.2		99	15
5-20-20M	10121	4.7*	19.5	19.6		97*	16
6- 6-18S	592	6.5	7.0	17.2*		105	11
6- 6-18S	12081	6.2	6.6	18.1		104	15
6- 8- 6S	11966	6.1	8.2	6.8		104	11
6- 8- 6S	10190	5.9	8.8	6.8		105	13
6- 8- 6S	10306	6.0	8.7	6.6		105	15
6-12-12M	237	5.9	12.3	14.2		105	15
6-12-12M	292	6.3	12.2	12.0		103	15
6-12-12M	561	5.4*	12.3	12.7		99	15
6-12-12M	10311	6.0	12.2	12.0		101	15
6-12-12M	10317	5.7*	13.4	12.9		105	15
6-12-12M	10472	6.2	12.0	11.4*		100	15
6-12-12M	10476	6.2	11.9	11.9		101	15
6-12-12M	10480	6.4	11.8	11.9		101	15
6-12-12M	10538	6.0	11.8	12.9		101	15
6-12-12M	10637	5.9	12.3	12.0		101	15
6-12-12M	11644	5.8	12.5	13.4		103	15
6-12-12M	12031	6.3	11.9	12.5		102	15
6-12-12M	10120	5.5*	12.0	13.1		99	16
6-12-18S	11185	5.6*	12.2	17.9		99	11
6-12-18S	11375	5.5*	12.6	18.2		100	11
6-12-18S	11119	5.9	12.3	17.8		100	13
6-12-18S	293	5.2*	12.4	18.3		98	15
6-12-18S	562	5.9	12.1	18.6	*	101	15
6-12-18S	645	5.8	12.0	16.2*	*	96*	15
6-12-18S	10224	5.4*	12.3	18.1		98	15
6-12-18S	10310	6.5	12.0	16.0*		99	15
6-12-18S	10979	5.7*	12.1	18.1		99	15
6-12-18S	11830	5.7*	11.9	18.9		100	15
6-12-18S	11913	6.2	12.0	17.2*	*	99	15
6-24-12M	11642	6.3	22.3*	12.1		97*	15
7-14-21S	10527	7.4	13.7	20.3*	*	100	15
8- 8-18S	10661	7.6*	7.9	18.1		98	15
10-10-10M	593	9.3*	10.1	10.6		98	15
10-10-10M	622	8.9*	12.6	10.4		104	15
10-10-10M	631	9.9	10.1	10.4		100	15
10-10-10M	640	9.7	11.4	10.6		104	15
10-10-10M	10477	7.0*	11.8	9.9		91*	15
10-10-10M	10524	9.8	10.1	9.9		99	15
10-10-10M	10537	7.6*	11.8	9.5*		93*	15
10-10-10M	10585	10.1	9.8	12.0		103	15
10-10-10M	10772	9.5*	10.5	10.1		99	15
10-10-10M	11118	9.6*	10.4	11.5		102	15
10-10-10M	11140	10.0	9.6*	10.5		100	15
10-10-10M	11650	10.0	10.1	10.1		101	15
10-10-10S	11914	8.7*	11.6	11.8		102	15
10-10-20S	594	9.4*	10.1	19.9		97*	15
10-10-20S	10519	9.6*	8.7*	20.4	*	95*	15
10-10-20S	11828	9.0*	12.7	18.0*	*	101	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
ARMOUR AGRICULTURAL CHEM. CO.		CINCINNATI	OHIO	CONT.			
12-12-12M	238	11.0*	12.8	12.5		99	15
12-12-12M	595	11.1*	12.2	13.1		98	15
12-12-12M	10473	11.1*	12.5	12.2		98	15
12-12-12M	10582	11.4*	12.7	13.7		102	15
12-12-12M	10586	11.0*	13.1	11.6*		98	15
12-12-12M	10590	11.0*	12.9	12.9		99	15
12-12-12M	11643	11.8	13.0	12.0		102	15
12-12-12M	11829	11.6*	12.1	12.3		99	15
12-12-12M	12182	11.3*	13.5	13.1		103	15
ARMOUR AGRI. CHEMICAL CO.		E. ST. LOUIS ILL.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	10604	5.0	20.3	20.2		101	15
ARMOUR AGRI. CHEMICAL CO.		FORT MEADE	FLA.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-46- 0	10814	0.	45.7	0.		99	15
0-46- 0	12325	0.	46.4	0.		101	15
0-46- 0	1729	0.	45.7	0.		99	17
0-46- 0	12016	0.	44.8*	0.		97*	17
ARMOUR AGRI. CHEMICAL CO.		JEFFERSONVILLIND.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-48S	10459	0.	0.	49.0		102	11
0- 0-48S	11659	0.	0.	49.4		103	15
0-10-30M	11865	0.	9.6*	31.6		102	26
0-10-30M W/B	11283	0.	9.7	31.5		102	25
0-20- 0	10279	0.	18.4*	0.		92*	11
0-20- 0	11658	0.	22.8	0.		114	11
0-20-20M W/B	11846	0.	19.2*	21.5		100	25
0-20-20M W/B	10261	0.	18.5*	19.9		95*	15
0-20-20M W/B	10865	0.	19.3*	20.5		98	15
3-12-12M	11798	3.9	11.7	12.9		106	13
4-12- 8M	2182	4.6	12.3	8.5		106	11
4-12- 8M	10750	5.1	13.2	9.6		116	11
4-12- 8M	11660	4.3	11.6*	9.9		105	13
4-12- 8M	11655	3.8	12.2	8.7		101	15
5- 5- 0	2183	5.2	6.9	0.		117	11
5-10-10M	10611	5.2	10.8	9.9		105	15
5-10-10M	11786	5.2	10.1	11.7		106	15
5-10-15S	316	5.0	9.7	15.4		100	11
5-10-15S	1802	5.0	10.2	14.9		101	11
5-10-15S	2181	5.0	10.8	14.6		103	11
5-10-15S	10142	4.9	10.3	14.7	*	100	11
5-10-15S	1332	5.1	9.9	15.8	*	102	13
5-10-15S	10052	4.9	10.5	14.8		101	13
5-10-15S	10273	4.8	10.2	14.9		99	13
5-10-15S	10447	5.2	9.6*	15.7		101	13
5-10-15S	11284	5.0	10.1	14.9		100	13
5-10-15S	11833	4.8	10.8	15.0		102	13
5-10-15S	11739	4.8	10.7	14.1*		100	14
5-10-15S	11863	5.0	10.1	15.8		102	14
5-10-15S	10457	4.9	10.6	15.1	*	102	15
5-10-15S	10652	5.3	9.9	15.2		102	15
5-10-15S	11194	5.5	9.9	14.9		102	15
5-10-15S	11206	5.3	9.8	14.3*		100	15
5-10-15S	11832	4.9	10.5	15.5		102	15
5-20-20M	11736	4.8	19.8	20.7		100	13
5-20-20M	11620	5.4	19.7	18.2*		98	14
5-20-20M	11738	4.9	18.5*	21.9		98	14

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

ARMOUR AGRI. CHEMICAL CO.			JEFFERSONVILLIND.		CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	317	5.3	18.7*	21.5		100	15
5-20-20M	2184	5.2	19.8	21.1		102	15
5-20-20M	10105	5.0	20.9	20.1		102	15
5-20-20M	10449	5.2	20.9	19.7		103	15
5-20-20M	11656	4.8	19.7	19.4*		98	15
5-20-20M	11767	6.1	18.0*	22.2		102	15
5-20-20M	12312	4.8	19.4*	20.5		98	15
5-20-20M	10445	5.5	18.5*	19.8		98	16
5-20-20M W/B	12268	4.9	18.4*	20.1		95*	15
6- 6-18S	1803	6.0	8.1	16.7*	*	106	11
6- 6-18S	10054	6.2	7.8	17.1*	*	107	13
6- 6-18S	11784	6.2	6.4	19.8		106	13
6- 6-18S	12106	6.0	7.3	18.1	*	106	13
6-12-12M	10275	5.7*	12.5	12.9		102	13
6-12-12M	11737	5.7*	12.1	13.4		101	14
6-12-12M	10452	6.2	11.7	13.0		102	15
6-12-12M	11657	5.7*	12.2	12.0		99	15
6-12-12M	11661	5.7*	12.0	12.6		99	15
6-12-12M	11734	5.7*	12.1	13.3		101	15
6-12-12M	11797	6.0	11.8	12.9		101	15
6-12-12M	11835	5.6*	12.1	13.3		101	15
6-12-12M	11847	5.7*	12.1	13.1		101	15
6-12-12S	10131	5.6*	12.4	12.0		99	14
6-12-12S	11662	5.8	12.0	12.8		101	15
6-12-18S	10053	6.1	11.7	18.4		100	13
6-12-18S	10448	6.1	11.3*	18.2		98	13
6-12-18S	10274	5.8	13.5	17.2*		102	15
6-12-18S	10453	6.2	12.7	17.7	*	103	15
6-12-18S	10612	5.5*	12.3	18.8		100	15
6-12-18S	10654	5.6*	12.0	18.0		98	15
6-12-18S	11783	5.8	12.0	17.0*	*	97*	15
6-12-18S	11834	5.4*	13.0	17.2*		99	15
6-12-18S	11864	6.0	11.9	18.2	*	100	16
6-24-24M	10938	4.5*	19.1*	28.9		90*	15
10-10-10M	10055	9.3*	10.6	11.8		101	13
10-10-10M	11735	9.6*	10.3	11.4		101	13
10-10-10M	11619	8.9*	11.3	11.3		101	14
10-10-10M	318	9.8	10.6	11.2		103	15
10-10-10M	1752	9.0*	11.0	11.1		100	15
10-10-10M	10325	9.0*	11.0	10.7		99	15
10-10-10M	10451	9.6*	10.3	10.6		100	15
10-10-10M	10458	10.0	10.4	10.3		102	15
10-10-10M	10606	10.2	10.0	9.9		101	15
10-10-10M	10741	9.3*	9.9	10.2		96*	15
10-10-10M	11195	10.3	10.1	10.4		102	15
10-10-10M	11251	10.1	10.3	10.7		103	15
10-10-10M	10446	9.3*	10.8	10.9		101	16
10-10-10M	1694	9.0*	10.7	10.0		97*	17
10-10-20S	10454	8.3*	11.6	17.5*	*	94*	15
12-12-12M	10450	11.5*	11.7	12.8		98	15
12-12-12M	10653	11.3*	12.5	14.5		102	15
12-12-12M	10864	11.2*	12.0	13.3		99	15
12-12-12M	11402	9.8*	11.1*	12.5		89*	15
12-12-12M	11785	11.8	13.4	12.9		104	15
12-12-12M	12326	11.1*	12.1	12.9		98	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

RMOUR AGR. CHEMICAL CO.		MEMPHIS	TENN				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-25-25M	11709	0.	24.2*	27.5		101	15
5-10-10M	11165	5.3	10.4	10.7		106	15
6-12-12M	11164	6.0	12.6	11.8		102	15
6-12-12M	11515	5.9	11.8	13.2		101	15
RMOUR AGR. CHEMICAL CO.		NASHVILLE	TENN				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-51S	2309	0.	0.	51.0		100	16
0-20- 0	12119	0.	20.0	0.		100	15
0-20- 0	12202	0.	19.4*	0.		97*	15
0-20-20M	11516	0.	17.2*	22.9		96*	13
0-20-20M	10080	0.	17.6*	22.5		96*	15
0-20-20M	11768	0.	18.0*	17.5*		89*	15
0-20-20M	12313	0.	25.0	14.9*		108	15
0-20-20M	10624	0.	15.4*	18.9*		83*	21
0-20-20M W/B	10547	0.	18.2*	23.5		100	13
0-30-30M	10817	0.	23.5*	35.2		91*	25
0-30-30M W/B	10045	0.	23.5*	31.3		87*	15
0-30-30M W/B	10300	0.	22.6*	33.6		88*	15
0-30-30M W/B	10508	0.	30.0	25.7*		95*	15
0-45- 0	10907	0.	44.4	0.		99	16
3- 9- 6M	10149	2.9	9.9	5.4*		103	11
3- 9- 6M	10773	3.6	10.8	7.0		120	15
3- 9- 6M	12150	3.4	12.2	6.3		124	15
3-12- 6M	10629	3.0	12.5	6.2		103	11
3-12- 6M	1695	3.1	11.6*	6.2		99	13
3-12- 6M	1749	2.5*	11.1*	6.5		93*	13
3-12- 6M	10808	3.2	11.6*	7.2		103	13
3-12- 6M	10841	3.5	12.3	6.6		107	13
3-12- 6M	10844	3.2	13.0	6.4		107	13
3-12- 6M	11374	4.1	11.9	6.4		109	13
3-12-24M	12314	3.0	12.0	24.0		100	15
3-12-24M W/B	11092	3.2	12.0	21.8*		97*	13
3-12-24M W/B	618	2.9	10.7*	25.9		98	15
3-12-24M W/B	10655	2.7*	11.4*	22.6*		94*	15
4-12- 8M	10150	4.2	12.0	8.3		102	13
4-12- 8M	619	4.0	12.3	9.1		104	15
4-12- 8M	10780	4.2	12.1	8.6		103	15
4-12- 8M	10807	4.1	13.6	9.5		112	15
4-12- 8M	11988	4.3	12.4	8.1		104	15
4-12- 8M	10911	4.2	12.6	9.6		108	16
4-12- 8M	1697	4.0	13.0	7.9		104	17
5-10- 5S	10380	5.1	9.8	6.7		104	11
5-10- 5S	2178	5.2	10.7	5.8	*	107	13
5-10-10M	12294	4.9	10.2	10.3		101	13
5-10-10M	10048	5.7	10.9	10.1		109	15
5-10-10M	10302	5.6	11.5	10.4		112	15
5-10-10M	10630	5.3	10.6	10.2		105	15
5-10-10M	11156	5.2	9.9	11.0		103	15
5-10-10M	11170	5.0	10.5	9.2*		100	15
5-10-10M	12121	5.1	10.3	10.3		102	15
5-10-10S	11487	4.8	11.3	10.7	*	106	15
5-10-10S	12120	4.8	9.8	9.3*		96*	15
5-10-15S	10546	5.4	9.8	14.5*		100	13
5-10-15S	11740	5.2	10.2	15.4		103	13
5-10-15S	11989	4.9	10.7	14.7		102	13
5-10-15S	617	4.9	10.5	15.2		102	15
5-10-15S	1761	5.0	10.6	16.6		106	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

ARMOUR AGR. CHEMICAL CO.		NASHVILLE		TENN	CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15S	2252	4.9	10.2	14.6*		99	15
5-10-15S	2311	5.1	10.2	14.7		101	15
5-10-15S	10252	5.0	10.0	15.5		101	15
5-10-15S	10613	5.1	10.8	15.1		104	15
5-10-15S	11155	5.1	10.3	14.4*		100	15
5-10-15S	11253	5.4	11.5	15.6	*	109	15
5-10-15S	11254	6.7	10.0	13.6*	*	108	15
5-10-15S	11486	5.4	10.0	14.5*		102	15
5-20-20M	1762	4.8	21.0	18.9*		100	15
5-20-20M	2310	4.8	20.3	18.5*		98	15
5-20-20M	10250	4.8	20.4	19.9		100	15
5-20-20M	10253	5.1	19.8	20.9		101	15
5-20-20M	10299	4.9	19.6	17.4*		95*	15
5-20-20M	10545	5.2	19.9	20.7		102	15
5-20-20M	10621	5.5	19.0*	19.8		99	15
5-20-20M	11196	5.3	19.1*	20.1		99	15
5-20-20M	11250	5.2	19.7	21.6		102	15
5-20-20M	11255	5.2	20.5	20.4		103	15
5-20-20M	11373	5.1	19.2*	20.9		100	15
5-20-20M	2325	4.8	19.7	20.2		99	16
5-20-20M	10906	5.2	12.5*	17.3*		77*	16
5-20-20S	10858	5.4	18.0*	21.2		98	15
6- 6-18M	10509	5.4*	5.3*	22.1		102	15
6-12-12M	11376	5.7*	12.5	12.1		100	13
6-12-12M	11742	7.3	12.6	13.0		111	13
6-12-12M	2323	5.7*	12.6	11.3*		99	14
6-12-12M	254	5.7*	12.0	12.3		99	15
6-12-12M	274	5.6*	12.1	12.3		99	15
6-12-12M	1751	5.9	12.4	11.6*		100	15
6-12-12M	1760	6.0	12.1	11.1*		99	15
6-12-12M	2253	6.0	11.6*	13.1		101	15
6-12-12M	10622	5.9	12.2	11.9		100	15
6-12-12M	10816	5.9	11.8	14.0		102	15
6-12-12M	11152	6.0	12.1	12.2		101	15
6-12-12M	11169	6.0	12.3	12.2		101	15
6-12-12M	11197	6.1	11.3*	13.0		100	15
6-12-12M	11209	6.3	11.8	12.0		101	15
6-12-12M	11210	6.6	11.2*	12.9		102	15
6-12-12M	11986	5.7*	12.5	12.2		101	15
6-12-12M	2324	5.9	12.4	11.5*		100	16
6-12-18S	2322	6.0	11.5*	17.6		98	14
6-12-18S	614	4.8*	13.8	16.4*		97*	15
6-12-18S	1696	5.8	11.8	18.4		99	15
6-12-18S	1759	5.7*	12.0	17.6		98	15
6-12-18S	2313	5.1*	13.0	18.3	*	99	15
6-12-18S	10078	4.9*	14.0	16.4*		98	15
6-12-18S	10251	5.4*	11.3*	17.7		94*	15
6-12-18S	10607	5.6*	12.4	17.8		99	15
6-12-18S	10614	5.6*	12.2	17.8		98	15
6-12-18S	11153	6.0	12.0	17.9		100	15
6-12-18S	11207	5.7*	11.8	17.4*		97*	15
6-12-18S	12118	6.2	11.9	17.6		100	15
6-12-18S	10905	4.8*	12.6	18.7		97*	16
6-12-18S	11410	6.3	11.2*	17.9		99	16
6-12-18S	11741	5.9	11.8	18.1		99	16
6-12-18S	12228	6.2	11.6*	17.9		100	16
7-14-21M	10815	7.1	13.9	22.6		103	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

ARMOUR AGR. CHEMICAL CO.		NASHVILLE TENN		CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
7-14-21S	12351	7.5	16.2	19.3*		106	15
7-14-21NIT	10742	7.0	13.9	19.9*		98	15
7-14-21NIT	11226	7.4	13.6*	21.1		101	15
7-14-21NIT	11497	6.5*	13.3*	20.3*	*	95*	15
7-14-21NIT	11827	7.3	13.4*	21.3		100	15
7-14-21NIT	12040	7.1	14.2	20.9		101	15
7-14-21NIT	12201	6.7*	13.6	19.8*		96*	15
7-14-21NIT	12213	7.1	13.5*	21.0		99	15
8-32-16M	11228	8.0	31.2*	18.2		101	17
10-10-10M	10548	9.9	9.9	11.5		102	13
10-10-10M	12293	10.0	10.4	10.7		102	13
10-10-10M	2326	9.2*	10.3	10.8		98	14
10-10-10M	2312	10.3	10.0	9.9		101	15
10-10-10M	10079	9.2*	11.3	11.0		102	15
10-10-10M	10510	10.1	9.8	11.0		101	15
10-10-10M	10631	10.3	10.3	9.6*		102	15
10-10-10M	10818	10.0	9.9	11.1		101	15
10-10-10M	10845	10.3	10.7	11.1		106	15
10-10-10M	10857	10.1	10.1	11.1		103	15
10-10-10M	11198	10.1	9.7	9.9		99	15
10-10-10M	11769	9.9	10.2	10.8		101	15
10-10-10M	11987	8.4*	9.3*	9.5*		89*	15
10-10-10M	10912	9.9	10.1	10.4		100	16
10-10-10M	12229	10.0	10.3	10.1		101	16
10-10-10S	10859	9.4*	11.2	9.5*	*	100	15
10-20-20M	11093	9.8	21.1	17.7*		99	15
10-20-20M	11154	10.2	23.0	16.7*		104	15
12-12-12M	10047	10.2*	13.0	11.3*		94*	15
12-12-12M	10301	9.6*	12.8	11.1*		91*	15
12-24-24M	12212	12.0	24.3	23.6		100	15
13- 0-44NIT	2308	13.4	0.	44.6		102	16
15-15-15M	11229	14.7	15.3	15.4		100	17
15-40- 5M	11227	15.4	40.9	6.0		103	17
16- 8- 8M	615	14.1*	9.3	9.5		98	15
ARMOUR AGRI. CHEMICAL CO.		SANDUSKY OHIO					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-16- 4S	10188	4.1	15.2*	5.1	*	100	11
6-12-12M	10225	5.8	12.2	12.2		100	13
BALE FERTILIZER COMPANY		HORSE CAVE KY.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-13-33M W/B	1305	0.	13.4	39.5		113	25
0-20-20M W/B	1306	0.	19.4*	20.2		98	25
4-12- 8M	10264	4.0	10.8*	8.4		96*	25
4-12- 8M	12115	3.4*	8.7*	5.4*		75*	26
5-10-15S	10265	4.6*	10.1	15.7		99	15
5-20-20M	10267	4.3*	19.1*	19.9		95*	25
6-12-12M	10266	5.9	12.4	11.6*		100	25
10-10-10M	10262	8.1*	10.3	9.8		91*	25
15-15-15S	10263	12.7*	14.4*	16.7		93*	25
BARTLETT + O BRYAN FERT. CO.		OWENSBORO KY.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12- 8M	11686	4.7	11.0*	13.2		112	16
5-10-15S	11687	5.2	11.0	15.7	*	106	11
5-13- 6S	11678	6.8	13.7	7.2		110	11
5-20-20M	11682	5.0	21.0	20.3		103	13
5-20-20M	11683	5.1	20.1	21.7		103	15
5-20-20M	11684	4.9	19.9	21.8		102	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

BARTLETT + O BRYAN FERT. CO.		OWENSBORO	KY.	CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	11688	4.9	21.3	21.1		105	15
5-20-20M	11690	5.4	19.7	21.9		103	15
5-20-20M	11692	5.0	19.5*	21.9		101	16
6-15-40M	11693	4.0*	11.5*	46.6		93*	16
6-15-40M	11679	5.0*	13.4*	42.9		96*	26
6-24-24M	11677	5.5*	24.1	21.5*		96*	13
6-24-24M	11680	5.5*	25.3	23.7		101	13
6-24-24M	11681	5.7*	24.0	23.8		99	13
BLUEGRASS PLANT FOODS, INC.		CYNTHIANA	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20-20M W/B	11868	0.	18.8*	21.3		98	11
3-12-12M	11149	2.8	12.1	12.6		101	11
4-12- 8M	11151	3.9	12.0	7.5*		98	13
4-16- 4S	10646	4.1	15.6*	5.4		102	11
5-10-10M	649	5.4	10.5	10.6		106	11
5-10-15S	10237	4.9	9.2*	16.0		98	11
5-10-15S	11148	5.1	9.8	14.8		100	11
5-10-15S	12033	5.1	9.6*	15.1		99	11
5-20-20M	11150	4.5*	18.4*	22.0		96*	13
5-20-20M	10238	4.9	18.9*	20.2		97*	15
6- 6-18S	656	5.3*	7.0	17.4*		99	11
6- 6-18S	11147	5.9	6.5	17.6		101	13
6- 8- 6M	10239	5.9	7.9	7.4		102	11
6- 8- 6M	11146	5.2*	9.6	8.3		108	13
6- 8- 6S	11346	6.3	8.1	6.9		105	11
7-10-16S	12034	6.9*	10.6	16.0		96*	21
10-10-10M	560	10.0	9.8	11.2		101	11
10-10-10M	10240	10.0	9.8	10.8		101	11
10-10-10M	11014	10.1	9.4*	12.3		102	13
10-10-10M	10645	10.0	10.2	10.5		101	15
BLUEGRASS PLANT FOODS, INC.		DANVILLE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-20M W/B	11242	0.	10.1	20.5		101	11
0-20- 0	10720	0.	17.8*	0.		89*	11
0-20- 0	10753	0.	18.5*	0.		92*	11
0-20- 0	11802	0.	19.1*	0.		95*	11
0-20-20M	1309	0.	21.1	19.2*		102	11
0-20-20M	10767	0.	18.7*	19.6		95*	11
0-20-20M	10891	0.	20.1	19.9		100	11
0-20-20M W/B	10271	0.	19.9	20.2		100	11
0-20-20M W/B	1228	0.	19.7	16.4*		93*	12
3-12-12M	10152	3.3	12.4	13.2		107	11
3-12-12M	10662	3.1	12.6	11.9		103	11
3-12-12M	10768	3.2	11.3*	13.6		102	11
3-12-12M	11174	3.1	12.3	12.3		103	11
3-12-12M	11801	3.4	10.9*	15.0		104	11
4-12- 8M	10752	4.0	11.4*	8.4		98	11
4-12- 8M	1231	4.4	11.3*	9.9		104	13
4-12- 8M	10151	4.2	12.3	9.5		106	13
4-12- 8M	10269	4.0	12.0	8.3		101	13
4-12- 8M	10430	4.3	11.8	9.1		104	13
5-10-10M	10890	5.9	10.3	11.4		110	13
5-10-10M	11532	6.0	9.4*	12.0		109	14
5-10-10M	10769	5.7	10.3	10.8		108	15
5-10-15S	10213	5.0	9.5*	14.9		98	11
5-10-15S	10270	4.7*	9.3*	15.2		96*	11
5-10-15S	10423	5.1	9.9	15.2		101	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

BLUEGRASS PLANT FOODS, INC.		DANVILLE	KY. CONT.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15S	10497	5.1	9.4*	15.6		99	11
5-10-15S	10721	4.9	9.9	14.9		99	11
5-10-15S	10751	5.0	9.3*	15.7		98	11
5-10-15S	11533	5.0	9.8	15.3		100	11
5-10-15S	12112	5.2	9.3*	15.6	*	99	11
5-10-15S	1229	5.3	9.3*	16.5		102	15
5-20-20M	10424	5.8	19.0*	21.3		102	11
5-20-20M	10719	5.3	19.6	20.9		101	11
5-20-20M	1232	5.6	21.0	19.9		105	13
5-20-20M	10215	5.6	20.1	19.9		103	13
5-20-20M	10889	5.0	19.7	20.5		100	13
5-20-20M	11529	5.8	19.7	20.7		103	13
6- 6-18S	10427	6.1	6.1	18.1		101	11
6- 6-18S	12113	5.4*	6.2	19.1	*	100	11
6- 8- 6M	12082	6.2	8.1	8.0		107	11
6- 8- 6S	10425	6.1	8.3	5.8		102	13
6-12-12M	1310	6.0	12.5	12.5		103	13
6-12-12M	10887	6.8	11.8	12.8		105	13
6-12-18S	10428	6.5	11.1*	18.2		100	11
6-12-18S	10888	6.0	11.4*	18.5		99	11
6-12-18S	12114	6.1	10.4*	19.7		98	11
6-12-18S	1230	5.8	12.0	17.3*	*	98	15
8-10-15S	10426	7.8	9.7	15.2		98	11
8-10-15S	11803	7.5*	10.0	15.0		98	11
10-10-10M	10214	10.2	9.3*	11.4		101	13
10-10-10M	10429	10.3	9.6*	11.0		102	13
10-10-10M	12083	9.7	9.9	11.4		100	13
10-10-10M	11531	10.7	9.9	9.8		103	14
12-12-12M	10718	11.8	12.7	12.9		102	11
12-12-12M	10770	10.1*	11.7	12.2		91*	13
12-12-12M	11530	10.0*	12.8	13.0		95*	13
16- 8- 8M	11243	15.3*	7.9	8.0		97*	13
22- 0-20M	12222	14.2*	0.	33.4		88*	24
25- 0-15M	11528	16.8*	0.	28.5		88*	24
BUNTON SEED COMPANY		LOUISVILLE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-12- 6M	1746	5.9	10.9*	9.9		103	11
6-12- 6M	12256	5.8	12.7	6.9		104	13
6-12- 6M	12257	8.8	12.1	9.2		124	13
BURLEY BELT FERTILIZER CO.		LEXINGTON	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	1775	0.	17.7*	0.		88*	11
0-20- 0	10644	0.	19.8	0.		99	11
0-20- 0	11640	0.	20.2	0.		101	11
0-20-20M	2227	0.	18.7*	20.5		96*	11
0-20-20M	11950	0.	19.5*	21.3		101	11
0-20-20M W/B	12109	0.	19.9	20.3		100	11
0-46- 0	12166	0.	47.4	0.		103	15
3- 9- 6M	294	3.3	9.2	6.9		107	11
3- 9- 6M	2226	2.9	8.9	6.6		100	11
3- 9- 6M	10819	3.1	8.4*	6.9		100	11
3- 9- 6M	10828	3.1	8.0*	7.1		98	11
3- 9- 6M	11009	3.5	9.5	7.6		113	11
3- 9- 6M	11192	3.1	8.2*	6.6		98	11
3- 9- 6M	596	3.5	9.2	7.3		110	13
3- 9- 6S	2231	3.1	9.0	6.7		103	11
3- 9- 6S	11949	3.9	9.5	7.4		115	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

BURLEY BELT FERTILIZER CO.		LEXINGTON		KY. CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
3-12-12M	664	3.1	12.2	12.6		103	13
4-12- 8M	2225	4.2	12.1	8.3		102	11
4-12- 8M	10791	3.9	11.7	9.0		100	11
4-12- 8M	11002	4.2	11.1*	8.2		98	11
4-12- 8M	11186	4.0	12.2	7.9		101	11
4-12- 8M	11191	4.2	11.1*	8.1		97*	11
4-12- 8M	597	4.7	12.7	8.6		109	13
4-12- 8M	659	4.1	12.0	8.6		102	13
4-16- 4S	1777	4.2	15.8	4.7		102	11
4-16- 4S	2232	4.1	15.7	4.8		101	11
5-10- 5M	10792	5.0	9.9	6.5		104	11
5-10-10M	10793	5.0	9.5*	10.7		100	11
5-10-10M	10829	5.0	9.6*	11.1		101	11
5-10-10M	11008	5.0	9.4*	10.8		99	11
5-10-10M	661	5.0	10.6	10.3		103	13
5-10-10M	10318	4.9	10.5	10.4		103	13
5-10-15S	295	5.1	10.3	14.4*		100	11
5-10-15S	1773	5.0	9.9	15.4		101	11
5-10-15S	2228	5.1	10.1	15.8		103	11
5-10-15S	2234	4.8	10.1	14.3*		98	11
5-10-15S	10830	5.0	10.0	15.2		100	11
5-10-15S	11007	5.0	10.1	14.9		100	11
5-10-15S	11188	5.1	10.0	14.6*		100	11
5-10-15S	11190	5.1	10.2	14.9		101	11
5-10-15S	11653	5.0	9.6*	16.0		100	11
5-10-15S	11654	5.1	9.9	15.3		101	11
5-10-15S	11948	5.0	9.7	15.2		99	11
5-10-15S	12108	5.0	9.6*	15.5		99	11
5-10-15S	600	5.1	10.0	16.6		104	13
5-10-15S	601	4.9	9.9	14.5*		98	13
5-10-15S	658	5.0	10.2	15.1		101	13
5-10-15S	660	5.0	9.9	14.9		100	13
5-20-20M	296	4.3*	19.9	20.4		97*	11
5-20-20M	2229	4.9	18.8*	20.5		97*	11
5-20-20M	603	4.7*	21.7	18.1*		101	13
5-20-20M	665	5.0	19.8	21.4		101	13
5-20-20M	10831	5.0	19.6	21.5		101	23
5-20-20M	12169	4.8	20.1	20.6		100	23
6- 6-18M	11392	5.5*	4.8*	18.2		92*	25
6- 6-18S	10487	5.9	6.2	17.9		100	11
6- 6-18S	11005	6.0	6.3	17.5*		100	11
6- 6-18S	11006	5.8	6.1	18.7		101	11
6- 6-18S	11365	6.0	6.0	18.3		101	11
6- 6-18S	11393	5.7*	5.8	19.1		99	11
6- 6-18S	11403	8.0	6.4	18.2		115	11
6- 6-18S	12107	6.0	5.9	18.4		100	11
6- 6-18S	599	5.3*	6.2	19.3		99	13
6- 6-18S	666	5.3*	6.8	18.5		100	13
6- 8- 6S	2230	6.1	8.5	6.0		103	11
6- 8- 6S	11391	6.3	8.4	6.2		105	11
6- 8- 6S	11951	5.9	8.5	6.5		103	11
6- 8- 6S	662	5.7*	8.4	6.6		101	13
6- 8- 6S	11004	6.3	8.4	7.9		109	13
6-12-12M	10832	6.2	11.5*	13.1		101	11
6-12-12M	11011	6.4	10.6*	12.9		99	11
6-24-12M	11641	5.0*	26.3	13.7		104	13
8- 6-18S	10488	8.7	6.3	16.2*		102	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

BURLEY BELT FERTILIZER CO.		LEXINGTON	KY. CONT.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
8-10-15S	1776	7.7*	9.7*	14.9		97*	11
8-10-15S	602	7.9	10.1	15.4		100	13
8-10-15S	604	7.7*	9.8	15.4		98	13
8-10-15S	657	7.6*	10.1	15.7		99	13
8-10-15S	667	7.8	10.2	16.0		102	13
10- 6-14S	10330	9.6*	6.5	15.6		103	15
10-10-10M	1774	10.2	10.2	10.1		102	11
10-10-10M	2233	9.0*	10.7	10.1		97*	11
10-10-10M	11187	9.7	10.2	10.9		101	11
10-10-10M	598	9.9	9.9	9.9		99	13
10-10-20S	11003	10.1	9.7*	20.0		100	11
10-10-20S	11364	9.1*	9.2*	20.8		95*	11
10-10-20S	11652	9.6*	10.0	20.5		99	13
12-12-12M	11651	11.7	12.7	11.9		100	13
12-12-12M	11010	12.1	9.8*	12.3		95*	23
12-12-12M	10833	11.9	12.1	13.9		102	25
20-10-10M	10489	20.5	11.8	9.3*		105	15
20-20- 5M	11947	3.7*	18.3*	5.5		51*	11
CALIFORNIA CHEMICAL CO.		FORT MADISON IOWA					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-20-20M	255	9.9	19.9	19.8		99	15
10-20-20M	1709	10.4	19.9	20.1		101	17
13-34-10M	1708	13.2	33.4	10.3		100	17
16-16-16M	256	15.9	15.9	16.6		100	15
16-16-16M	1707	16.0	16.0	16.2		100	17
16-16-16M	12203	15.8	15.9	16.0		99	17
20-10-10M	257	19.9	10.1	10.2		100	15
20-10-10M	12204	19.9	9.8	10.1		99	17
33- 0- 0	10970	33.8	0.	0.		101	17
CARLISLE COUNTY FERT. CO.		BARDWELL	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-60M	11247	0.	0.	59.7		100	16
6-28-20M	11249	8.1	29.4	20.8		110	16
7-21-28M	11761	9.3	24.2	29.1		116	26
7-21-28M	11762	9.9	22.2	28.9		113	26
15-13-18M	11763	18.7	13.2	18.5		114	26
18-46- 0	11764	18.1	46.8	0.		101	16
18-46- 0	11765	18.1	45.5	0.		100	16
CECIL FARM SUPPLY COMPANY		OWENSBORO	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15NIT	10902	5.3	8.8*	15.8		98	25
5-20-20M	10903	4.5*	19.2*	19.1*		95*	25
10-10-10M	10904	9.1*	9.3*	11.9		96*	25
CECIL FARM SUPPLY INC.		STANLEY,	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15NIT	11826	4.9	9.5*	14.5*		96*	25
5-10-15NIT	11824	4.8	8.8*	14.1*		92*	26
5-10-20M	11817	4.3*	11.5	19.9		102	25
5-14-35M	11818	5.0	13.3*	36.0		100	26
5-20-20M	11408	4.4*	18.1*	19.2*		92*	23
5-20-20M	11821	4.5*	16.8*	19.1*		88*	25
6-12-12M	11822	6.1	11.4*	12.5		99	25
6-22-22M	12230	7.6	23.1	17.3*		103	26
6-26-26M	11409	6.2	26.2	25.5		101	25
10-10-10M	11819	10.1	9.5*	14.9		107	25
10-10-10M	11820	9.7	8.9*	11.3		97*	25
10-10-10M	11825	9.8	10.2	11.0		101	25

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January - June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

CECIL FARM SUPPLY INC.

GRADE	NUM
12-12-12M	11823

CHILEAN NITRATE SALES CORP.

GRADE	NUM
15- 0-14NIT	11961
15- 0-14NIT	12341
16- 0- 0	10700
16- 0- 0	10778

CHRISTIAN COUNTY SUPPLY CO.

GRADE	NUM
0-20-20M W/B	12074
3-12-24M W/B	12075
4-12- 8M	11461
5-10-15NIT	11460
5-10-15NIT	12070
5-10-15NIT	12071
5-10-15NIT	12073
5-10-15NIT	12076
5-20-20M	11496
6-12-18NIT	11456
6-12-18NIT	12068
6-12-18NIT	12069
9-10-15NIT	11453
9-10-15NIT	11454
9-10-15NIT	12079
10-10-10M	10980
10-10-10M	11455
10-10-10M	11459
10-10-10M	12077
10-10-10M	12078
10-10-15NIT	11457
10-12-18NIT	11458
20-10-10M	12072

CLINE FERTILZER COMPANY

GRADE	NUM
3- 9- 6M	10781
3- 9- 6M	12152
4-12- 8M	11907
5-10- 5M	10782
5-10- 5M	12153
5-10-10M	10783
5-10-10M	12154
5-10-15S	11905
5-10-15S	12155
6-12-12M	10784
6-12-12M	12156
10-10-10M	10785
10-10-10M	11906
10-10-10M	12157
10-20-20M	12160
12-12-12M	10786
12-12-12M	12158
33- 0- 0	12159

COASTAL CHEMICAL CORP.

GRADE	NUM
18-46- 0	10338

STANLEY, KY. CONT.

N	APA	POT	XS CL	RV	PHYS
12.4	12.1	11.6*		101	25

NEW YORK N.Y.

N	APA	POT	XS CL	RV	PHYS
14.8	0.	13.8		99	17
14.6*	0.	13.6*		97*	17
15.6	0.	0.		97*	15
15.8	0.	0.		99	17

HOPKINSVILLE KY.

N	APA	POT	XS CL	RV	PHYS
0.	17.4*	21.0		93*	26
3.1	11.8	24.3		101	26
3.8	10.9*	7.4*		92*	26
5.9	9.4*	16.9		107	26
7.2	7.7*	21.9		118	26
5.6	10.9	14.3*		106	26
5.6	9.4*	16.3		112	26
4.9	10.7	14.7		102	26
4.8	17.7*	22.1		96*	26
9.0	8.0*	28.1		119	26
6.4	10.5*	19.4		99	26
6.5	10.9*	19.4		101	26
2.5*	1.1*	32.8	*	69*	26
5.8*	6.6*	22.7	*	86*	26
7.5*	9.8	14.8		92*	26
10.7	8.5*	11.4		101	26
9.8	9.5*	11.3		99	26
10.3	9.7*	10.8		102	26
9.0*	9.7	11.3		96*	26
9.4*	10.7	8.8*		97*	26
9.5*	9.7*	15.1		97*	26
11.2	8.9*	26.0		108	26
15.2*	13.8	11.3		94*	26

EWING VA.2

N	APA	POT	XS CL	RV	PHYS
4.8	9.5	3.6*		112	25
3.0	9.7	7.0		107	25
4.5	12.0	8.6		105	25
7.0	10.9	3.7*		116	25
5.4	12.1	5.6		115	25
4.3*	8.9*	12.5		96*	25
5.3	10.3	9.8		103	25
5.3	12.0	14.7		109	25
4.4*	6.8*	18.4		90*	25
6.9	14.1	13.8		116	25
6.3	11.9	12.7		103	25
11.5	10.6	13.1		115	25
9.2*	8.0*	9.7*		89*	25
10.0	12.2	10.1		107	25
9.9	19.2*	20.1		98	25
11.7	12.7	10.7*		99	25
8.1*	13.7	11.7		88*	25
33.9	0.	0.		101	17

YAZOO CITY MISS

N	APA	POT	XS CL	RV	PHYS
17.4*	46.0	0.		99	17

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

COMMERCIAL SOLVENTS CORP.		NEW YORK	N.Y.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
33- 0- 0	11244	32.9	0.	0.		100	16
COMMONWEALTH FERTILIZER CO.		CAMPBELLSVILLE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-18-12M	11708	6.1	17.9	12.6		101	26
COMMONWEALTH FERTILIZER CO.		ELKTON	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	11572	0.	19.6	0.		98	12
0-20-20M	11001	0.	24.2	19.2*		112	22
0-20-20M	11575	0.	21.7	20.5		107	22
4-12- 8M	11000	5.2	11.9	8.3		108	14
5-10-15S	10999	5.2	10.4	14.9		103	14
5-20-20M	10996	5.2	19.1*	19.4*		98	14
5-20-20M	11573	5.0	20.2	21.2		102	14
6-18-12M	10997	6.0	17.1*	11.6*		97*	14
8-12-15S	11574	7.5*	12.9	14.7		100	12
8-12-15S	10995	7.8	11.5*	15.2		98	14
8-16- 2M	11576	8.2	17.0	3.6		107	14
10-10-10M	10998	9.5*	10.8	10.7		101	14
COMMONWEALTH FERTILIZER CO.		FRANKLIN	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 9-26S	11489	0.	8.9	26.8		101	24
7- 9-13S	11488	7.3	9.8	13.6		106	24
20- 8- 0	11485	20.0	8.2	0.		101	24
COMMONWEALTH FERTILIZER CO.		RUSSELLVILLE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-60M	10993	0.	0.	60.0		100	16
0- 9-29M W/B	11109	0.	10.4	29.0		102	12
0-20- 0	11511	0.	19.6	0.		98	11
0-20- 0	12350	0.	19.5*	0.		97*	12
0-20-20M	12125	0.	19.4*	21.3		100	11
0-20-20M	1298	0.	20.3	21.7		104	14
0-20-20M	12349	0.	19.7	19.5*		98	14
0-20-20M	11508	0.	19.0*	23.5		103	23
0-20-20M	12364	0.	21.0	21.2		105	23
0-46- 0	10994	0.	46.5	0.		101	16
1-20- 7M	11107	1.8	19.4*	7.5		98	14
4-12- 8M	1217	5.2	11.8	8.2		107	14
4-12- 8M	11517	5.0	12.6	8.8		111	15
5-10-15S	1300	4.9	10.7	14.3*		101	14
5-10-15S	11108	5.2	10.9	14.5*		104	14
5-10-15S	2223	5.0	9.9	16.0		102	15
5-10-15S	10913	5.2	10.2	14.8		101	15
5-10-15S	11518	5.1	10.7	15.0		103	15
5-10-15S	10915	5.2	10.2	15.4		103	16
5-10-15S	10991	5.6	9.7	14.5*		101	16
5-20-20M	1296	4.9	19.9	18.7*		98	14
5-20-20M	12347	5.2	18.5*	18.8*		95*	14
5-20-20M	2194	5.0	19.6	20.4		99	15
5-20-20M	10361	5.0	18.6*	20.7		97*	15
5-20-20M	10914	5.1	19.6	19.9		99	15
5-20-20M	11509	5.5	19.4*	18.7*		99	15
5-20-20M	12365	5.0	19.6	20.7		100	15
5-20-20M	10916	5.3	22.6	15.7*		102	16
6-18-12M	1218	6.4	17.5*	13.6		103	14
6-18-12M	11110	6.5	17.5*	11.9		101	14
6-18-12M	12348	5.9	18.0	11.1*		98	14
6-18-12M	2195	6.1	17.1*	12.3		98	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

COMMONWEALTH FERTILIZER CO. RUSSELLVILLE KY. CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
8-10-15S	11372	8.4	10.8	14.5*		104	14
8-12-15S	12124	7.8	13.2	14.9		103	13
8-12-15S	12345	7.7*	11.3*	15.1		97*	14
8-12-15S	11111	8.1	14.7	14.9		109	16
8-16-16M	1220	7.6*	16.2	16.7		100	14
10-10-10M	1299	8.7*	10.7	11.1		97*	14
10-10-10M	12346	9.5*	10.8	10.2		100	14
10-10-10M	2196	9.4*	11.1	10.5		102	15
10-10-10M	10922	10.0	10.3	9.9		101	15
10-10-10M	11510	9.4*	10.7	11.1		101	15
10-10-10M	11519	9.8	10.6	10.8		102	15
10-10-10M	10917	10.5	9.7	10.5		102	16
10-10-10M	10992	9.5*	10.2	11.3		100	16
12-12-12M	10923	11.5*	11.9	13.1		99	15

COOPERATIVE FERTILIZER SERVICE BALTIMORE MD.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-10M	12355	10.3	9.9	10.5		102	15

COOPERATIVE FERTILIZER SERVICE BRISTOL VA.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-25-25M	10774	0.	23.6*	25.3		97*	11
2-12-12M	10775	2.0	12.5	12.9		104	11
2-12-12M	10787	2.1	12.1	13.6		105	11
5-10- 5M	10788	5.1	10.1	6.0		104	11
5-10-10M	202	5.3	10.3	10.3		104	11
5-10-10M	10789	5.2	10.5	10.7		105	11
10-10-10M	10776	10.4	10.1	11.0		104	11
10-10-10M	10790	10.1	10.1	10.7		102	11
10-20-20M	203	9.6*	16.5*	21.2		92*	11
10-20-20M	284	9.2*	18.0*	20.6		94*	11
10-20-20M	10777	9.6*	18.2*	21.4		96*	23
10-20-20M	12151	10.9	23.0	23.1		113	25

COOPERATIVE FERTILIZER SERVICE LOUISVILLE KY.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-15-30M W/B	223	0.	14.7	29.8		99	11
0-15-30M W/B	10141	0.	15.4	29.3*		100	11
0-15-30M W/B	10278	0.	15.1	30.7		101	11
0-15-30M W/B	10350	0.	15.9	29.0*		101	11
0-15-30M W/B	11286	0.	14.8	30.8		101	11
0-15-30M W/B	12101	0.	15.9	29.3*		102	11
0-15-30M W/B	12262	0.	15.3	29.8		101	11
0-15-30M W/B	12277	0.	15.0	30.9		101	11
0-15-30M W/B	10554	0.	13.8*	33.7		102	21
0-15-30M W/B	11384	0.	15.0	31.1		102	21
0-20- 0	226	0.	20.0	0.		100	11
0-20- 0	11760	0.	20.2	0.		101	11
0-20- 0	11844	0.	20.1	0.		100	11
0-20-20M	11839	0.	19.8	19.8		99	11
0-20-20M	11845	0.	20.6	21.2		104	11
0-20-20M	12263	0.	20.8	21.6		105	11
0-20-20M	12278	0.	21.2	18.9*		102	13
0-20-20M	10555	0.	19.6	21.0		100	21
0-30-30M	12358	0.	29.4	30.7		100	21
0-30-30M	12356	0.	32.1	28.3*		103	23
0-60- 0	2219	0.	60.8	0.		101	15
3-12-12M	1241	3.4	11.9	13.7		106	11
3-12-12M	2214	3.2	12.4	13.7		107	11
3-12-12M	2267	2.8	12.6	12.3		102	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January - June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

COOPERATIVE FERTILIZER SERVICE LOUISVILLE KY. CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
3-12-12M	11842	3.3	12.4	11.8		104	11
4-12- 8M	2212	4.3	11.5*	9.2		102	11
4-12- 8M	2264	6.0	12.9	11.4		126	11
4-12- 8M	10210	4.1	12.4	8.1		102	11
4-12- 8M	12250	4.0	13.0	11.4		112	11
4-16- 4S	209	4.7	15.3*	5.9		105	11
4-16- 4S	301	4.4	15.9	4.4		103	11
4-16- 4S	310	3.9	16.2	4.2		101	11
4-16- 4S	1794	4.3	16.4	4.6		105	11
4-16- 4S	10003	4.3	15.8	4.2		101	11
4-16- 4S	10041	4.4	16.1	4.1		103	11
4-16- 4S	10082	4.2	15.8	5.5		103	11
4-16- 4S	10286	4.4	15.1*	4.4		100	11
5-10-15S	579	5.2	10.1	15.4		102	11
5-10-15S	1724	5.4	10.1	15.1		103	11
5-10-15S	1728	5.3	10.2	15.1		103	11
5-10-15S	1738	5.1	10.2	15.7		103	11
5-10-15S	2211	5.3	10.3	15.5		104	11
5-10-15S	2265	5.0	9.9	16.0		102	11
5-10-15S	10138	4.9	10.1	16.3		102	11
5-10-15S	10211	5.0	10.4	14.7		101	11
5-10-15S	10349	5.2	10.3	15.0		102	11
5-10-15S	10556	5.0	10.5	15.1		102	11
5-10-15S	10656	5.0	10.3	15.4		102	11
5-10-15S	11800	5.0	10.7	14.8		102	11
5-10-15S	11831	5.1	9.7	16.2		102	11
5-10-15S	2248	4.8	10.2	15.3		100	15
5-10-20S	565	5.4	10.2	20.3		104	11
5-10-20S	2203	5.1	10.0	20.5		101	11
5-10-20S	10158	5.1	10.1	20.5		102	11
5-10-20S	10212	5.0	10.7	19.1*		101	11
5-10-20S	10288	5.1	10.4	20.2		102	11
5-20-20M	1725	5.0	20.8	20.0		102	11
5-20-20M	1796	5.3	20.3	20.0		102	11
5-20-20M	2213	5.0	20.3	20.2		101	11
5-20-20M	2268	5.4	20.3	20.4		103	11
5-20-20M	10159	4.9	20.0	20.8		101	11
5-20-20M	10208	4.8	20.6	18.9*		99	11
5-20-20M	10276	4.9	20.1	21.4		102	11
5-20-20M	11181	4.9	21.0	21.1		104	11
5-20-20M	1240	5.2	21.6	19.9		105	13
5-20-20M	11843	5.0	19.8	20.3		100	13
5-20-20M	2247	5.2	19.4*	21.0		101	15
5-20-20M W/B	11837	5.2	19.9	20.3		101	11
6- 6-18S	1779	5.9	6.4	18.1		101	11
6- 6-18S	12103	6.2	6.9	17.3*		104	11
6- 8- 6S	224	6.4	8.6	6.5		107	11
6- 8- 6S	1781	6.1	8.6	6.5		105	11
6- 8- 6S	11895	6.3	8.8	8.2	*	111	11
6-12-12M	10277	6.1	12.1	13.9		104	11
6-12-12M	11287	6.3	12.4	11.3*		102	11
6-12-12M	11838	6.3	11.8	12.5		102	11
8-10-15S	1780	8.0	10.2	15.3		101	11
8-10-15S	1795	8.3	9.9	15.1		101	11
8-10-15S	10139	7.8	10.3	16.0		102	11
8-10-15S	10287	8.0	10.1	15.4		101	11
8-10-15S	11288	8.2	10.7	15.1		104	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

COOPERATIVE FERTILIZER SERVICE LOUISVILLE KY. CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
8-10-15S	12102	7.8	10.4	16.0		102	11
10-10-10M	225	10.3	10.3	10.5		103	11
10-10-10M	2210	10.3	10.5	10.5		104	11
10-10-10M	2254	9.9	10.4	10.2		101	11
10-10-10M	2266	10.4	10.3	10.5		104	11
10-10-10M	10140	10.0	10.2	10.6		102	11
10-10-10M	10160	10.0	10.6	10.5		103	11
10-10-10M	10209	9.9	10.3	10.7		101	11
10-10-10M	10557	10.6	10.2	10.9		105	11
10-10-10M	10657	10.2	10.4	9.9		102	11
10-10-10M	11301	10.2	10.2	10.9		103	11
10-10-10M	11836	10.1	10.9	10.7		105	11

COOPERATIVE FERTILIZER SERVICE RUSSELLVILLE KY.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-50S	2302	0.	0.	50.0		100	15
0- 0-60M	2303	0.	0.	60.6		101	15
0- 0-60M	11260	0.	0.	60.3		101	15
0-15-30M W/B	2165	0.	15.5	30.5		103	11
0-15-30M W/B	10542	0.	15.9	28.3*		100	11
0-15-30M W/B	10811	0.	14.8	30.2		100	15
0-15-30M W/B	10119	0.	15.2	30.7		102	21
0-15-30M W/B	12279	0.	15.6	29.4*		101	23
0-20-20M	2201	0.	20.4	21.7		104	11
0-20-20M	10812	0.	20.7	21.1		104	11
0-20-20M	12317	0.	19.5	22.4		102	13
0-20-20M	10118	0.	19.7	23.4		105	21
0-20-20M	12280	0.	19.3*	22.4		102	23
0-60- 0	2305	0.	60.6	0.		101	15
4-12- 8M	583	4.2	10.7*	8.4		96*	11
4-12- 8M	210	4.7	12.1	9.0		107	15
4-12- 8M	218	4.6	12.1	8.9		106	15
4-12- 8M	227	4.9	12.0	9.1		109	15
4-12- 8M	580	4.6	12.0	9.0		106	15
4-12- 8M	1224	4.4	12.3	8.9		106	15
4-12- 8M	1693	4.4	12.1	8.9		105	15
4-12- 8M	1733	4.6	12.0	9.5		107	15
4-12- 8M	2205	4.1	12.0	9.0		103	15
5-10-15S	2163	5.3	9.9	15.0		102	13
5-10-15S	11759	5.1	9.9	15.2		101	13
5-10-15S	199	5.6	9.9	14.8		103	15
5-10-15S	211	5.8	9.9	15.5		105	15
5-10-15S	219	5.6	9.9	14.9		103	15
5-10-15S	1226	5.7	9.9	14.8		103	15
5-10-15S	1253	5.7	9.9	15.2		104	15
5-10-15S	1734	5.4	9.9	16.0		104	15
5-10-15S	1757	5.5	9.7	15.2		102	15
5-10-15S	2200	5.6	10.1	15.1		104	15
5-10-15S	2220	5.2	10.1	15.1		102	15
5-10-15S	2289	5.4	9.8	14.5*		101	15
5-10-15S	10083	5.4	10.2	14.3*		102	15
5-10-15S	11411	5.1	9.9	14.5*		99	16
5-10-15S	12241	5.8	9.8	14.5*		103	16
5-10-20S	585	5.0	10.4	20.1		101	11
5-15- 5M	10285	5.1	14.9	5.1		101	11
5-15- 5M	2288	5.5	14.8	5.5		103	15
5-15- 5M	11285	5.4	14.8	5.2		102	15
5-15- 5M	12318	5.0	14.6*	6.1		101	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

COOPERATIVE FERTILIZER SERVICE RUSSELLVILLE KY. CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-15- 5M	12343	5.9	14.1*	5.7		103	15
5-20-20M	2164	5.3	18.9*	20.1		98	13
5-20-20M	212	5.1	20.1	19.9		101	15
5-20-20M	220	5.5	20.0	20.2		102	15
5-20-20M	582	4.9	19.8	20.9		100	15
5-20-20M	1225	5.2	19.2*	20.6		99	15
5-20-20M	1252	5.3	19.0*	20.6		99	15
5-20-20M	1736	4.9	19.4*	20.2		98	15
5-20-20M	2179	6.4	17.3*	19.9		98	15
5-20-20M	2290	5.5	19.6	19.3*		100	15
5-20-20M	2301	4.8	19.1*	20.8		98	15
5-20-20M	10001	5.1	21.3	16.8*		100	15
5-20-20M	10084	5.0	19.7	20.9		100	15
5-20-20M	11259	5.3	19.0*	18.9*		97*	15
5-20-20M	11437	5.5	19.1*	20.9		101	15
5-20-20M	12385	5.2	20.1	19.9		101	15
5-20-20M	10368	5.1	20.7	19.9		102	16
5-20-20M	11412	5.3	18.7*	21.5		100	16
5-20-20M	11435	5.3	19.0*	21.3		100	16
5-20-20M	12240	5.3	20.3	20.0		102	16
6-12-12M	584	6.0	12.6	12.3		103	11
6-12-12M	200	6.3	12.3	12.3		104	15
6-12-12M	213	6.4	12.2	14.0		107	15
6-12-12M	249	6.5	12.0	13.1		105	15
6-12-12M	250	5.9	12.3	12.9		102	15
6-12-12M	251	6.2	12.1	13.6		105	15
6-12-12M	252	6.0	11.8	13.5		102	15
6-12-12M	1699	6.8	13.0	12.4		109	15
6-12-12M	1735	6.4	12.8	13.1		107	15
6-12-12M	2180	6.8	12.4	13.0		108	15
6-12-12M	2202	6.4	12.9	13.1		108	15
6-12-12M	10042	6.1	11.7	12.3		100	15
6-12-12M	11758	6.4	11.5*	12.6		101	15
6-12-12M	12015	5.8	11.8	12.3		99	15
6-18-12M	1254	5.9	18.0	13.2		101	15
6-18-12M	1700	6.3	17.4*	12.5		100	15
6-18-12M	12319	6.0	17.9	13.2		102	15
10-10-10M	2162	10.5	10.2	10.3		104	13
10-10-10M	214	10.5	10.0	10.5		104	15
10-10-10M	326	10.3	9.7*	10.8		102	15
10-10-10M	568	10.8	10.1	10.2		105	15
10-10-10M	581	10.2	10.2	10.3		102	15
10-10-10M	590	10.3	10.4	10.6		104	15
10-10-10M	1698	10.8	10.2	10.0		105	15
10-10-10M	1758	9.9	10.0	10.0		99	15
10-10-10M	2204	10.3	10.2	10.5		103	15
10-10-10M	2307	10.2	10.8	9.3*		102	15
10-10-10M	10396	9.9	9.7	10.8		100	15
10-10-10M	10483	10.2	10.5	9.7		102	15
10-10-10M	10541	10.4	10.1	10.0		102	15
10-10-10M	10642	10.0	9.9	10.2		100	15
10-10-10M	11184	10.1	10.4	10.5		103	15
10-10-10M	11398	10.1	10.2	10.5		102	15
10-10-10M	11413	10.4	9.9	10.6		103	16
10-10-10M	11436	9.5*	9.9	11.8		100	16
12-12-12M	201	11.7	12.1	13.8		102	15
12-12-12M	215	12.2	11.7	13.2		102	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

COOPERATIVE FERTILIZER SERVICE RUSSELLVILLE KY. CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
12-12-12M	222	12.2	12.0	12.6		102	15
12-12-12M	229	12.1	12.0	12.8		102	15
12-12-12M	311	12.3	12.0	12.3		102	15
12-12-12M	567	12.2	12.3	13.7		104	15
12-12-12M	636	11.6*	12.3	12.6		100	15
12-12-12M	1753	11.7	12.2	12.8		100	15
12-12-12M	10002	12.4	12.0	12.0		102	15
21-53- 0	2304	20.8	53.6	0.		100	15
33- 0- 0	2306	33.5	0.	0.		100	15

COOPERATIVE FERTILIZER SERVICE WINCHESTER KY.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-50S	12043	0.	0.	50.3		101	11
0- 0-50S	11061	0.	0.	49.9		100	13
0- 0-60M	11323	0.	0.	60.8		101	15
0- 0-60M	12165	0.	0.	60.6		101	15
0-15-30M W/B	1234	0.	14.4*	31.9		101	11
0-15-30M W/B	11973	0.	15.1	29.6		100	11
0-15-30M W/B	11896	0.	14.5*	31.0		100	21
0-20- 0	327	0.	19.6	0.		98	11
0-20-20M	10227	0.	19.9	19.4*		98	11
0-20-20M	10824	0.	19.2*	20.2		98	11
0-20-20M	10973	0.	18.3*	22.5		98	11
0-20-20M	11055	0.	20.3	21.6		104	11
0-20-20M	11318	0.	20.5	21.0		103	11
0-20-20M	11964	0.	19.9	21.3		102	11
0-20-20M	12095	0.	22.3	21.9		111	11
0-60- 0	11062	0.	59.1	0.		99	15
0-60- 0	12164	0.	59.4	0.		99	15
4-12- 8M	234	3.9	11.5*	8.9		99	11
4-12- 8M	243	4.1	11.4*	9.0		100	11
4-12- 8M	312	4.2	11.9	9.2		103	11
4-12- 8M	10228	3.8	11.8	8.5		99	11
4-12- 8M	10398	3.9	10.7*	9.0		96*	11
4-12- 8M	10484	4.0	11.8	9.1		102	11
4-12- 8M	11060	3.9	11.7	9.2		100	11
4-12- 8M	11183	4.1	11.8	9.4		103	11
4-12- 8M	11319	4.0	11.5*	9.4		101	11
4-12- 8M	11897	3.9	12.4	8.9		103	11
5-10-15S	244	4.8	9.7*	15.4		98	11
5-10-15S	302	5.0	9.8	15.4		100	11
5-10-15S	313	5.1	10.2	15.4		102	11
5-10-15S	557	5.1	9.4*	15.2		99	11
5-10-15S	558	5.2	9.9	15.1		101	11
5-10-15S	1233	5.1	9.7	14.9		99	11
5-10-15S	10641	4.9	10.1	15.7		101	11
5-10-15S	10974	5.1	10.0	15.5		102	11
5-10-15S	11056	5.1	10.0	15.5		102	11
5-10-15S	11130	5.2	10.1	15.4		102	11
5-10-15S	11182	5.0	10.3	15.0		101	11
5-10-15S	11397	5.1	10.0	15.5		102	11
5-10-15S	12057	5.1	10.2	14.9		101	12
5-10-15S	12058	5.4	9.8	15.5		103	12
5-10-15S	10539	5.1	10.1	15.1		101	15
5-10-15S	10598	5.1	9.8	15.2		100	15
5-20-20M	245	4.4*	20.5	20.9		100	11
5-20-20M	10229	4.8	19.5*	21.7		100	11
5-20-20M	10485	5.0	19.2*	21.3		100	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

COOPERATIVE FERTILIZER SERVICE	WINCHESTER	KY. CONT.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	10826	4.9	20.6	21.4		103	11
5-20-20M	11057	5.0	19.5*	21.2		100	11
5-20-20M	11320	5.1	19.3*	19.6		98	11
5-20-20M	12096	4.8	19.5*	21.2		99	11
5-20-20M	12163	5.1	21.0	20.0		103	11
5-20-20M	12362	5.2	19.0*	20.3		99	11
5-20-20M	10975	4.8	21.2	19.2*		101	13
5-20-20M	11128	5.1	18.6*	22.2		100	13
5-20-20M	11628	4.8	19.1*	19.6		96*	13
6- 6-18S	303	6.1	6.4	17.9		102	11
6- 6-18S	314	6.1	6.0	18.1		101	11
6- 6-18S	589	6.0	6.1	18.2		101	11
6- 6-18S	1722	6.3	6.3	18.0		103	11
6- 6-18S	10639	6.2	6.2	17.9		102	11
6- 6-18S	10647	6.1	6.1	18.4		102	11
6- 6-18S	12042	6.2	6.1	18.1		102	11
6- 6-18S	12352	5.8	6.9	18.0		103	11
6- 6-18S	12056	6.3	6.4	17.6		103	12
6- 8- 6S	246	6.0	7.9	7.2		102	11
6- 8- 6S	563	6.0	7.8	6.9		101	11
6- 8- 6S	10230	6.3	8.0	6.7		104	11
6- 8- 6S	10827	5.9	8.3	7.2		104	11
6- 8- 6S	11058	6.3	8.0	6.0		102	11
6- 8- 6S	11321	6.1	7.9	6.9		103	11
6- 8- 6S	11963	6.3	8.0	6.6		104	11
6- 8- 6S	11965	5.9	8.0	6.4		100	11
6- 8- 6S	12173	6.0	8.5	7.5		106	11
6-12-12M	228	6.2	11.2*	13.6		101	11
6-12-12M	564	5.8	11.5*	12.7		99	11
6-12-12M	635	5.9	11.5*	13.7		101	11
6-12-12M	10486	6.0	11.4*	12.6		99	11
6-12-12M	11059	6.0	11.6*	12.3		99	11
6-12-12M	11322	6.0	11.6*	12.9		100	11
6-12-12M	11894	6.0	11.6*	13.1		101	11
6-12-12M	12097	5.7*	12.4	13.0		102	11
6-12-12M	12363	4.7*	12.4	13.2		96*	11
6-12-12M	11129	6.0	11.8	12.6		100	13
8-10-15S	315	8.3	9.9	15.4		102	11
8-10-15S	566	8.3	9.4*	15.9		101	11
8-10-15S	586	7.9	9.4*	15.7		98	11
8-10-15S	1723	8.1	9.5*	15.5		100	11
8-10-15S	10640	8.1	10.0	15.4	*	101	11
8-10-15S	10648	7.7*	10.3	15.2		100	11
8-10-15S	11396	7.8	9.9	15.8		100	11
8-10-15S	12066	7.5*	10.7	15.4		101	11
DARLING + COMPANY	CAIRO	ILL.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-60M	11252	0.	0.	60.0		100	15
0-20-20M W/B	12376	0.	19.9	21.8		103	25
4-12- 8M	11160	4.7	12.7	8.9		110	15
5-10-15S	11161	6.4	10.7	14.5*	*	110	15
5-10-15S	11213	6.5	11.0	13.9*	*	111	15
5-10-15S	11225	6.4	11.2	14.9	*	113	15
5-10-15S	11421	6.4	11.2	14.6*	*	112	15
5-10-15S	11469	5.9	12.7	15.1	*	116	15
5-10-15S	11609	5.7	12.7	14.8	*	115	15
5-10-15S	12380	5.9	14.9	14.7	*	124	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

CAIRO ILL. CONT.

DARLING + COMPANY GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	11159	5.6	18.9*	20.2		100	15
5-20-20M	11211	6.0	18.9*	19.2*		100	15
5-20-20M	11595	5.5	20.0	21.8		104	15
5-20-20M	11611	5.6	19.7	20.7		102	15
5-20-20M	11725	5.8	19.0*	19.2*		99	15
5-20-20M	12375	5.1	20.6	20.6		103	15
5-20-20M	12216	5.0	20.0	22.0		103	17
6-12-18S	11224	6.0	13.2	18.7	*	105	15
6-12-18S	11468	6.7	12.7	17.9	*	106	15
6-12-18S	11417	6.8	13.2	17.4*	*	107	16
6-18-12M	10366	5.7*	18.1	14.7		103	25
6-24-24M	11420	5.3*	23.3*	25.8		98	15
6-24-24M	11597	5.9	23.6	25.7		101	15
6-24-24M	11608	6.3	23.9	24.3		101	15
6-24-24M	11418	5.7*	24.4	25.4		102	16
10-10-10M	10331	9.8	11.4	10.5		104	15
10-10-10M	11596	9.6*	10.7	11.0		102	15
10-10-10M	12217	9.4*	10.7	10.8		100	17
10-20-20M	11163	11.2	26.1	15.5*		113	15
15-15-15M	10332	13.3*	14.9	15.6		95*	15
15-15-15M	11162	13.4*	15.1	15.8		96*	15
15-15-15M	11212	13.3*	14.8	16.6		96*	15
15-15-15M	11594	13.9*	16.3	15.1		99	15
15-15-15M	11610	14.3*	16.3	16.5		102	15
15-15-15M	12379	14.5*	15.5	15.6		100	15

CEDAR RAPIDS IOWA

DARLING + COMPANY GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-12-36M W/B	12297	0.	10.3*	37.3		97*	25

E. ST. LOUIS ILL.

DARLING + COMPANY GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-18-12M	12299	5.7*	20.0	12.7		106	15
7-28-14M	12296	6.9	26.4*	15.3		98	15
10-20-20M	12298	9.3*	20.4	20.8		99	15
15-15-15M	12300	14.8	15.5	15.8		101	15

CECILIA KY.4

E TOWN FERTILIZER, SPENCER DIV GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	12322	0.	19.5*	0.		97*	15
0-30-30M	11940	0.	29.6	30.1		99	13
0-46- 0	12327	0.	45.6	0.		99	15
3-12-12M	11933	4.1	13.3	10.3*		109	11
4-12- 8M	12321	5.8	13.4	9.0		121	11
4-12- 8M	1258	4.5	12.7	9.2		109	13
4-12- 8M	11938	5.0	12.8	8.4		112	13
5-10-15S	11934	5.5	9.5*	16.3		104	11
5-10-15S	11941	5.6	8.6*	18.4		105	11
5-10-15S	1255	5.2	11.1	15.2		106	13
5-20-20M	1256	5.0	19.3*	20.9		99	13
5-20-20M	11935	5.1	20.7	20.1		103	15
6-24-12M	11939	6.2	23.8	12.5		101	13
10-10-10M	1257	9.5*	12.5	10.2		106	13
10-10-10M	11937	10.1	11.1	10.7		105	13
10-10-10M	11942	10.4	10.4	10.6		104	13
12-12-12M	11943	10.7*	9.7*	16.5		95*	26
13- 0-44NIT	11932	13.7	0.	44.0		103	15
13-16-16M	11936	13.6	16.1	16.0		102	16

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

E-Z-FO CHEMICAL COMPANY		LEXINGTON		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
38- 0- 0	11782	36.8*	0.	0.		97*	15
FARMERS CHEMICAL ASSN., INC.		TYNER		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
33- 0- 0	247	33.8	0.	0.		101	17
33- 0- 0	304	33.7	0.	0.		101	17
33- 0- 0	10761	33.4	0.	0.		100	17
FEDERAL CHEMICAL COMPANY		DANVILLE		ILL.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-24-24M	10895	6.0	22.8*	23.2*		97*	15
7-28-14M	10070	6.4*	27.2*	13.9		96*	15
7-28-21M	10896	7.0	28.5	21.4		102	15
16- 8- 8M	10897	16.2	8.1	8.2		102	15
FEDERAL CHEMICAL COMPANY		HUMBOLDT		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20-20M	12383	0.	15.1*	20.3		84*	25
4-12- 8M	10333	4.2	12.7	8.4		105	15
4-12- 8M	12193	6.4	11.6*	9.5		118	15
4-16- 4S	271	4.8	15.0*	6.3	*	105	13
5-10-15S	10682	11.2	9.6*	11.4*	*	128	15
5-10-15S	11202	4.9	9.4*	17.0	*	101	15
5-10-15S	11726	5.0	10.1	15.8		102	15
5-10-15S	11774	5.0	10.2	15.4	*	102	15
5-10-15S	12194	5.0	10.8	14.5*	*	102	15
5-20-20M	11214	6.2	19.6	19.9		104	15
5-20-20M	11616	5.5	17.7*	19.2*		95*	15
5-20-20M	11727	5.3	19.5*	19.3*		99	15
5-20-20M	11775	5.5	19.1*	19.6		99	15
5-20-20M	12195	4.8	19.9	19.2*		98	15
5-20-20M	12367	9.5	21.0	19.1*		119	15
5-20-20M	12378	9.4	19.9	19.9		117	15
6-12-12M	272	5.9	11.5*	11.9		97*	15
6-12-12M	10683	5.8	11.5*	12.6		98	15
6-12-12M	11203	6.0	12.2	12.0		101	15
6-12-12M	11215	6.0	11.9	13.0		101	15
6-12-12M	11236	6.3	11.3*	11.8		99	15
6-12-12M	11600	6.1	11.3*	12.5		99	15
6-12-12M	11618	6.0	12.0	13.1		102	15
6-12-12M	11728	6.0	11.5*	12.2		98	15
6-12-12M	11776	6.6	11.7	12.7		104	15
6-12-12M	12189	6.0	11.7	11.8		98	15
10-10-10M	10334	9.9	10.4	10.4		102	15
10-10-10M	11204	11.0	11.7	11.3		113	15
10-10-10M	11729	9.9	9.7	11.0		100	15
10-10-10M	11777	9.5*	10.4	10.4		99	15
10-10-10M	12190	9.9	11.3	11.5		106	15
10-10-15S	11233	9.7	11.1	15.0		102	15
10-10-15S	11237	10.7	12.5	14.1*		110	15
10-10-15S	11730	9.0*	8.9*	16.4	*	94*	15
10-10-15S	12196	9.8	9.3*	16.0		98	15
10-20-20M	12191	10.5	18.1*	21.5		99	15
12-12-12M	273	11.9	12.7	11.4*		101	15
12-12-12M	11617	11.9	11.2*	12.6		98	15
12-12-12M	12192	11.0*	13.6	13.9		103	15
12-12-12M	12368	11.4*	13.4	12.6		102	15
15-10-10M	11731	14.7	11.9	9.7		103	15
15-15-15M	11216	14.3*	14.9	15.0		97*	15
15-15-15M	11235	15.5	15.7	13.7*		102	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

FEDERAL CHEMICAL COMPANY		HUMBOLDT	TENN CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
15-15-15M	11732	12.9*	14.7	15.9		93*	15
15-15-15M	11778	14.2*	14.7	14.7		96*	15
FEDERAL CHEMICAL COMPANY		LOUISVILLE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-50S	12275	0.	0.	50.0		100	13
0- 0-52S	11969	0.	0.	53.6		103	15
0- 0-60M	11970	0.	0.	59.6		99	15
0-10-30M W/B	10591	0.	8.7*	32.0		99	15
0-10-30M W/B	11142	0.	8.8*	32.6		100	15
0-10-30M W/B	12261	0.	12.9	25.2*		102	15
0-10-30M W/B	12051	0.	9.8	32.2		104	25
0-20- 0	11037	0.	26.3	0.		132	13
0-20- 0	10392	0.	19.9	0.		100	15
0-20- 0	10455	0.	16.0*	0.		80*	15
0-20-20M	1331	0.	20.1	20.2		100	15
0-20-20M	10596	0.	19.8	21.4		102	15
0-20-20M	12253	0.	19.5*	21.4		101	15
0-20-20M	12353	0.	19.5*	20.8		100	15
3- 9- 6M	10820	3.5	9.3	6.9		109	15
3-12-12M	11873	4.6	12.2	12.8		113	13
3-12-12M	320	3.0	11.7	13.9		103	15
3-12-12M	10947	4.0	12.0	13.5		110	15
3-12-12M	11324	4.0	12.8	13.3		113	15
3-12-12M	11869	5.1	12.0	13.7		118	15
4-12- 8M	1713	4.5	12.1	9.4		107	13
4-12- 8M	10456	4.1	11.3*	7.8		97*	13
4-12- 8M	10595	4.7	12.9	7.0*		106	13
4-12- 8M	11871	4.6	11.5*	9.7		105	13
4-12- 8M	12273	4.3	12.0	9.7		106	14
4-12- 8M	576	4.4	12.1	9.7		107	15
4-12- 8M	10206	3.9	13.2	8.7		106	15
4-12- 8M	10404	4.4	11.8	9.9		106	15
4-12- 8M	10504	4.7	12.4	11.0		114	15
4-12- 8M	10592	4.3	11.2*	12.1		108	15
4-12- 8M	10861	7.0	12.6	11.8		132	15
4-16- 4S	1704	4.8	15.3*	5.5	*	105	11
4-16- 4S	10234	4.6	15.1*	5.6		103	11
4-16- 4S	10602	4.5	15.1*	5.9	*	103	11
4-16- 4S	10649	4.7	15.6	7.9	*	111	11
5-10-10M	10821	4.7*	10.0	11.3		101	15
5-10-15S	10565	6.0	9.8	17.0		109	11
5-10-15S	10102	5.2	10.3	14.2*		101	13
5-10-15S	10403	5.1	10.1	14.7		100	13
5-10-15S	10432	5.7	10.1	16.4		107	13
5-10-15S	11145	5.3	9.4*	17.6		105	13
5-10-15S	11757	5.1	10.1	14.5*	*	100	13
5-10-15S	321	5.1	10.2	15.1	*	101	15
5-10-15S	571	5.3	10.0	15.4		103	15
5-10-15S	1706	5.3	9.6*	15.6		102	15
5-10-15S	1710	5.9	10.2	15.1	*	106	15
5-10-15S	10284	5.0	10.2	15.0		101	15
5-10-15S	10507	5.7	10.9	15.2		108	15
5-10-15S	10651	5.8	10.1	17.1		109	15
5-10-15S	11036	5.5	10.9	15.6		108	15
5-10-15S	11841	5.7	9.4*	16.7		105	15
5-20-20M	322	5.0	18.5*	20.8		97*	15
5-20-20M	572	4.8	20.6	19.9		101	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

FEDERAL CHEMICAL COMPANY		LOUISVILLE KY. CONT.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	1330	5.0	20.3	19.2*		100	15
5-20-20M	10235	5.1	19.4*	21.7		101	15
5-20-20M	10244	4.9	20.0	19.8		99	15
5-20-20M	10391	5.5	19.0*	19.8		99	15
5-20-20M	10402	5.0	19.2*	20.7		99	15
5-20-20M	10506	5.7	19.4*	19.3*		100	15
5-20-20M	10563	5.7	20.2	18.8*		102	15
5-20-20M	10944	5.3	19.4*	21.3		101	15
5-20-20M	11052	5.2	19.5*	21.2		101	15
5-20-20M	11143	5.2	19.0*	22.3		101	15
5-20-20M	11840	4.7*	19.4*	19.4*		96*	15
5-20-20M	11872	4.9	19.2*	21.4		99	15
5-20-20M	11874	5.0	19.3*	19.5*		98	15
6- 6-18S	1702	6.6	6.9	18.0		107	13
6- 6-18S	573	6.2	6.8	18.1		105	15
6- 6-18S	10862	6.0	7.1	19.3		107	15
6- 6-18S	11395	7.4	7.4	17.9		115	15
6- 6-18S	11401	6.6	6.6	18.1		106	15
6- 8- 6S	12052	5.9	8.5	8.2	*	108	13
6- 8- 6S	11967	5.9	8.9	9.4	*	112	15
6-12-12M	574	7.2	12.1	12.6		108	15
6-12-12M	10104	6.1	11.8	12.6		101	15
6-12-12M	10401	7.3	11.8	12.7		108	15
6-12-12M	10505	4.9*	13.6	15.7		107	15
6-12-12M	10583	6.4	11.5*	12.5		101	15
6-12-12M	10593	6.5	12.1	11.8		103	15
6-12-12M	10860	5.5*	11.8	9.9*		93*	15
6-12-12M	11325	7.1	11.5*	12.8		106	15
6-12-12M	11465	6.1	11.8	13.0		101	15
6-12-12M	11755	6.0	11.7	12.6		100	15
6-12-12M	11870	6.9	11.3*	13.6		105	15
6-12-12M	11875	6.8	12.1	12.2		105	15
6-12-18S	10885	5.7*	13.9	16.2*		102	15
6-24-24M	613	5.9	23.7	24.7		100	15
7-28-14M	611	5.7*	26.7*	15.2		94*	15
8- 8-18S	10886	8.1	8.2	18.5		102	16
9-10-15S	1703	9.1	10.2	15.1		101	13
9-10-15S	10101	8.3*	10.6	16.3	*	101	13
9-10-15S	575	8.5*	10.5	15.7	*	100	15
9-10-15S	1711	9.1	10.1	15.6		102	15
9-10-15S	1712	8.8	10.5	15.5	*	102	15
9-10-15S	10236	9.0	9.9	15.1	*	100	15
9-10-15S	10650	8.4*	9.7	18.5		102	15
9-10-15S	11302	8.7*	10.3	15.2		100	15
9-10-15S	11399	8.9	10.1	16.0		101	15
9-10-15S	11400	8.8	8.7*	19.1		101	15
9-10-15S	11405	9.5	10.4	15.1		104	15
9-10-15S	11916	8.7*	11.1	14.4*	*	101	15
9-10-15S	11968	9.0	10.3	16.4		103	15
9-10-15S	12104	9.0	10.4	16.0		103	15
10-10-10M	10207	10.5	10.4	8.7*		102	11
10-10-10M	1701	9.6*	10.7	8.6*		98	13
10-10-10M	11904	10.1	10.2	11.0		103	13
10-10-10M	323	8.2*	10.5	12.6		97*	15
10-10-10M	577	9.9	10.2	10.0		100	15
10-10-10M	1227	10.4	10.0	10.6		103	15
10-10-10M	1705	10.3	10.2	9.8		102	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

FEDERAL CHEMICAL COMPANY		LOUISVILLE KY. CONT.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-10M	1782	9.2*	9.6*	11.3		97*	15
10-10-10M	1783	10.3	10.2	10.4		103	15
10-10-10M	10056	9.0*	10.5	10.9		98	15
10-10-10M	10348	9.9	10.2	11.7		103	15
10-10-10M	10400	9.8	10.4	11.1		102	15
10-10-10M	10562	9.7	11.2	8.8*		100	15
10-10-10M	10594	10.4	9.6*	11.0		102	15
10-10-10M	10822	10.2	9.4*	10.8		100	15
10-10-10M	10945	10.1	10.2	9.8		101	15
10-10-10M	10946	9.9	9.9	11.8		102	15
10-10-10M	11144	9.3*	11.2	10.0		100	15
10-10-10M	11394	10.7	10.1	9.5*		103	15
10-10-10M	11404	9.7	10.5	11.7		103	15
10-10-10M	11756	10.0	10.1	11.0		102	15
10-10-15S	10740	10.2	11.4	15.2		106	15
10-10-15S	10863	10.3	10.4	16.9		106	15
12-12-12M	10564	11.9	11.8	11.5*		98	13
12-12-12M	10399	12.0	11.8	11.3*		98	15
12-12-12M	10431	11.6*	11.3*	13.7		99	15
12-12-12M	10584	11.3*	11.9	12.3		97*	15
12-12-12M	10597	11.6*	12.5	11.6*		99	15
12-12-12M	11326	11.0*	11.7	13.1		97*	15
12-12-12M	11882	12.1	11.4*	12.0		99	15
12-12-12M	12053	11.2*	12.0	13.5		99	15
12-12-12M	12172	11.0*	11.6*	12.6		96*	15
12-12-12M	12274	10.8*	10.1*	11.7		89*	16
14-14-14M	612	14.3	16.1	12.4*		104	15
16- 8- 8M	10103	13.0*	9.3	10.5		95*	15
18-46- 0	12054	17.7	45.5	0.		99	15
20-10- 5M	1747	20.2	11.7	5.5		105	15
33- 0- 0	10544	33.5	0.	0.		100	17
33- 0- 0	10603	33.6	0.	0.		100	17
FEDERAL CHEMICAL COMPANY		NASHVILLE TENN					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-52S	10855	0.	0.	49.7*		96*	11
0- 0-60M	10856	0.	0.	60.2		100	15
0- 9-27M W/B	2185	0.	9.3	26.1*		100	13
0- 9-27M W/B	10985	0.	9.7	25.2*		99	26
0-20- 0	1765	0.	18.8*	0.		94*	11
0-20- 0	11471	0.	19.0*	0.		95*	11
0-20- 0	10893	0.	20.2	0.		101	15
0-20-20M	11072	0.	20.4	19.4*		100	26
0-20-20M	11102	0.	20.2	20.8		102	26
4-12- 8M	10628	3.9	11.7	9.1		100	13
4-12- 8M	10809	4.6	12.4	8.6		107	15
4-12- 8M	10849	4.2	11.6*	8.3		100	15
4-12- 8M	11472	4.5	12.1	9.1		107	15
4-12- 8M	1766	3.7*	12.0	8.3		99	16
4-16- 4S	2300	4.8	15.4*	6.2	*	107	11
5-10-15M	10851	4.7*	10.7	15.8		102	15
5-10-15S	10626	4.8	10.4	14.2*		99	13
5-10-15S	2273	5.0	10.7	15.1		103	15
5-10-15S	11217	5.2	10.2	14.6	*	101	15
5-10-15S	11470	4.9	10.0	14.7		99	15
5-10-15S	11804	5.0	9.8	15.5		100	15
5-20-20M	609	5.0	20.2	21.1		102	15
5-20-20M	610	5.1	19.9	20.2		101	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

FEDERAL CHEMICAL COMPANY		NASHVILLE	TENN	CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	1763	5.0	20.4	21.6		103	15
5-20-20M	2188	5.2	20.5	20.2		102	15
5-20-20M	2191	4.8	19.0*	20.6		97*	15
5-20-20M	2272	4.9	18.7*	21.6		98	15
5-20-20M	2293	4.7*	17.1*	20.3		92*	15
5-20-20M	10358	5.1	20.0	21.5		103	15
5-20-20M	10625	4.8	18.7*	20.2		96*	15
5-20-20M	10894	5.1	20.0	21.1		102	15
5-20-20M	10981	5.1	19.2*	20.0		98	15
5-20-20M	10982	5.3	19.5*	22.9		104	15
5-20-20M	11984	5.2	20.1	21.6		103	15
5-20-20M	1767	4.5*	19.9	23.0		102	16
5-20-20M	2269	4.4*	18.3*	23.0		97*	16
5-20-20M	10986	5.3	20.1	19.9		101	16
5-20-20M	11073	5.1	19.8	20.5		101	16
5-20-20M	11103	5.1	20.5	20.3		102	16
5-25-15M	2294	4.7*	24.5	15.2		98	15
5-25-15M	10853	5.0	24.9	15.4		100	15
5-25-15M	11490	5.7	21.1*	15.0		93*	15
5-25-15M	11981	4.5*	24.0*	16.7		98	15
5-25-15M	12306	5.4	25.0	13.9*		100	15
5-25-15M	10989	5.0	24.5*	15.4		99	16
6-12-12M	2298	6.6	11.0*	12.0		100	15
6-12-12M	10627	5.7*	11.7	12.9		99	15
6-12-12M	11753	5.8	11.5*	12.7		99	15
6-12-12M	1768	5.4*	11.8	12.7		97*	16
6-18-12M	2292	5.4*	18.1	16.1		104	15
6-18-12M	11985	6.5	17.4*	11.0*		99	15
6-18-12M	10987	6.6	16.0*	12.1		97*	16
6-18-12M	11075	6.0	16.7*	13.2		98	16
6-18-12M	11452	6.3	16.7*	12.4		98	16
6-24-24M	2190	5.4*	23.3*	23.8		96*	15
6-24-24M	10898	6.0	25.2	22.0*		101	15
6-24-24M	10984	6.5	22.9*	24.5		100	15
9-10-15S	2274	8.2*	10.7	16.0	*	100	15
9-10-15S	2296	9.2	9.7	14.9		100	15
9-10-15S	10360	8.8	10.0	15.7		100	15
9-10-15S	10850	8.8	10.1	16.9		102	15
10-10-10M	1764	10.0	9.9	10.5		100	15
10-10-10M	2186	9.1*	10.3	10.1		97*	15
10-10-10M	2271	9.9	10.0	10.6		101	15
10-10-10M	2299	9.6*	10.2	10.1		99	15
10-10-10M	10359	10.0	10.2	9.9		100	15
10-10-10M	10367	9.9	10.2	10.3		101	15
10-10-10M	10810	10.3	10.0	11.1		103	15
10-10-10M	11983	10.3	9.8	10.2		101	15
10-10-10M	2270	9.9	10.0	10.5		100	16
10-10-10M	10988	10.4	9.9	9.5*		101	16
10-10-10M	11074	9.7	10.2	9.3*		98	16
10-10-10M	11104	10.0	9.9	10.6		101	16
10-10-10M	11883	10.3	9.5*	11.0		101	16
10-10-10M	12009	9.5*	10.3	10.4		99	16
10-10-15S	10990	9.7	9.1*	16.2		98	14
10-10-15S	2297	9.1*	10.7	15.4	*	99	15
10-10-15S	10854	9.6*	8.4*	18.1		98	15
10-10-15S	11491	10.1	10.6	15.6		103	15
10-10-15S	11569	11.4	14.3	13.2*		117	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

FEDERAL CHEMICAL COMPANY		NASHVILLE		TENN CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-15S	11982	10.3	9.8	16.1		103	15
12-12-12M	2192	11.9	11.9	12.9		101	13
12-12-12M	2187	11.7	11.6*	11.6*		97*	15
12-12-12M	2189	11.6*	12.1	11.7		98	15
12-12-12M	2295	10.6*	12.4	11.4*		94*	15
12-12-12M	10071	12.1	11.7	11.4*		99	15
12-12-12M	10852	12.2	11.6*	13.4		102	15
12-12-12M	10983	11.7	11.9	11.0*		97*	15
12-12-12M	11884	6.3*	11.2*	12.0		74*	15
16- 8- 8M	2291	15.3*	8.4	10.2		101	15
GLASGOW FERTILIZER COMPANY		GLASGOW		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-30M	10716	0.	11.1	31.7		108	23
0-20-20M W/B	2177	0.	21.4	18.0*		101	11
0-20-20M W/B	2224	0.	19.5*	20.2		99	11
4-12- 8M	1288	4.2	12.3	9.5		106	13
4-12- 8M	2173	3.9	11.7	9.1		100	13
5-10-15S	2171	5.5	10.1	17.0		107	11
5-10-15S	10715	4.8	9.9	16.9		102	11
5-10-15S	10717	5.8	10.1	16.3		108	11
5-10-15S	11702	5.3	9.9	16.4		104	11
5-10-15S	11748	5.8	10.3	15.2	*	107	11
5-10-15S	10241	5.1	10.0	16.3		103	13
5-10-15S	10242	5.2	10.2	15.5		103	13
5-20-20M	2176	4.9	18.8*	20.4		97*	11
5-20-20M	10714	5.0	20.5	20.0		101	11
6-12-12M	11749	6.2	12.0	12.2		101	11
6-12-12M	2172	5.6*	11.9	14.0		101	13
10-10-10M	10713	10.2	11.0	9.3*		103	11
10-10-10M	11701	9.9	10.7	11.3		104	11
10-10-10M	11703	9.8	10.5	9.7		100	11
10-10-10M	2175	9.8	10.7	10.7		102	13
W.R. GRACE + CO. DAV. CHEM.		BARTOW		FLA.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-46- 0	12366	0.	45.6	0.		99	15
W. R. GRACE + COMPANY		BALTIMORE		MD.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
33- 0- 0	2167	34.7	0.	0.		104	15
W. R. GRACE + COMPANY		COLUMBUS		OHIO			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-10M	11350	5.0	9.7*	10.2		99	15
5-10-15S	11351	5.0	10.5	15.0		102	15
5-20-20M	11352	4.9	19.8	19.8		99	15
W. R. GRACE + COMPANY		NASHVILLE		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	11220	0.	18.9*	0.		95*	15
0-20- 0	11475	0.	19.1*	0.		96*	15
0-20-20M	11429	0.	19.7	19.8		98	15
0-20-20M	1292	0.	21.3	19.3*		103	16
0-20-20M	10802	0.	20.6	19.0*		100	25
0-20-20M	11474	0.	19.6	17.2*		94*	25
0-20-20M	11512	0.	19.8	18.2*		96*	25
0-20-20M	12011	0.	19.4*	20.0		98	25
0-20-20M	10796	0.	19.5*	22.2		102	26
4-12- 8M	10098	4.0	12.8	9.2		106	15
4-12- 8M	10701	4.0	11.4*	8.6		99	15
4-12- 8M	10801	4.4	12.1	9.9		107	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

W. R. GRACE + COMPANY		NASHVILLE	TENN	CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12- 8M	11424	3.9	11.9	8.4		100	16
4-16- 4S	2166	4.2	15.9	5.5	*	104	11
4-16- 4S	10097	4.0	16.0	5.0		102	11
5-10-15S	2250	4.9	9.9	15.1	*	99	15
5-10-15S	10704	4.8	9.7	16.1		100	15
5-10-15S	10797	4.8	9.6*	16.6		100	15
5-10-15S	10798	5.0	9.5*	16.9		102	15
5-10-15S	11222	4.9	9.7	16.6	*	101	15
5-10-15S	11605	5.1	9.8	14.9		100	15
5-10-15S	11606	4.9	9.6*	14.8	*	98	15
5-10-15S	11722	5.0	9.7	14.9		99	15
5-10-15S	11425	5.0	9.9	14.9		99	16
5-10-15S	11492	5.0	9.7*	15.0		99	16
5-20-20M	2251	4.7*	21.0	19.6		101	15
5-20-20M	10096	5.0	19.3*	20.6		99	15
5-20-20M	10702	4.6*	20.3	19.2*		98	15
5-20-20M	11168	4.7*	20.1	20.2		99	15
5-20-20M	11218	5.0	18.9*	20.5		98	15
5-20-20M	11223	4.9	18.5*	19.2*		95*	15
5-20-20M	11428	5.0	19.6	20.2		99	15
5-20-20M	11438	4.9	19.5*	21.0		100	15
5-20-20M	11476	4.9	19.6	20.3		99	15
5-20-20M	12012	5.1	19.8	19.2*		99	15
5-20-20M	12290	4.9	19.0*	18.6*		95*	15
5-20-20M	1291	4.7*	20.1	20.2		99	16
5-20-20M	10794	4.8	20.0	20.8		100	16
5-20-20M	11426	4.8	19.2*	19.6		96*	16
5-20-20M	11887	5.2	19.1*	19.2*		97*	16
5-20-20M W/B	1260	4.4*	19.8	18.7*		95*	15
6-10-10M	10806	5.9	11.6*	10.9		100	15
6-12-12M	1290	6.0	12.1	13.2		103	15
6-12-12M	2169	5.7*	12.1	13.9		102	15
6-12-12M	10335	5.9	11.3*	13.1		99	15
6-12-12M	10705	5.6*	11.7	12.6		98	15
6-12-12M	11167	6.0	11.8	12.7		100	15
6-12-12M	11723	5.5*	11.8	12.6		97*	15
6-12-12M	12013	5.3*	12.3	13.4		100	15
6-18-12M	10843	6.5	17.8	12.6		103	15
6-18-12M	12288	6.2	17.4*	11.6*		98	15
6-18-12M	10800	6.0	17.6	12.8		100	26
8-32- 8M	11888	7.4*	32.2	6.5*		97*	26
10- 0- 0	2168	11.0	0.	0.		110	11
10-10-10M	1289	9.6*	9.8	9.9		97*	15
10-10-10M	2249	9.5*	9.6*	10.8		97*	15
10-10-10M	10100	9.4*	10.2	10.5		98	15
10-10-10M	10703	9.6*	10.0	9.9		98	15
10-10-10M	10805	9.9	9.8	11.0		100	15
10-10-10M	10842	9.9	9.7	11.4		101	15
10-10-10M	11219	10.1	9.5*	11.0		100	15
10-10-10M	11431	10.1	10.1	9.5*		100	15
10-10-10M	11473	9.8	9.9	10.2		99	15
10-10-10M	11724	10.1	9.8	10.2		100	15
10-10-10M	10795	4.5*	14.9	4.7*		80*	16
10-10-10M	11889	9.8	10.1	10.2		99	16
10-10-15S	10099	9.0*	10.5	13.8*	*	95*	15
10-10-15S	10799	9.6*	10.8	15.4	*	101	15
10-10-15S	11430	9.3*	10.7	14.0*		97*	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

W. R. GRACE + COMPANY		NASHVILLE TENN			CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
12-12-12M	10803	11.5*	11.7	13.3		99	15
15-15-15M	11221	15.2	13.6*	14.4*		97*	25
15-15-15M	11604	14.8	13.4*	15.8		97*	25
W. R. GRACE + CO.		**NEW ALBANY IND.**					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-13-39M	10518	0.	17.6	35.1*		108	15
0-20- 0	2207	0.	19.3*	0.		97*	15
0-20- 0	10328	0.	19.1*	0.		95*	15
0-20- 0	10517	0.	20.1	0.		100	15
0-20-20M W/B	10571	0.	27.0	21.6		126	25
0-25-25M	10516	0.	27.4	21.9*		102	25
0-25-25M	10725	0.	29.3	19.5*		104	25
0-25-25M	10892	0.	26.6	23.1*		102	25
0-25-25M	12176	0.	31.4	16.7*		106	25
0-25-25M	12324	0.	23.9*	28.1		101	25
0-25-25M	10511	0.	26.5	24.5*		103	26
0-25-25M	11029	0.	25.3	24.9		101	26
0-25-25M W/B	1242	0.	23.8*	28.0		101	15
0-25-25M W/B	10166	0.	20.8*	30.3		96*	25
0-25-25M W/B	11446	0.	28.1	21.7*		104	25
0-46- 0	10329	0.	45.0*	0.		98	15
3-12-12M	12271	3.2	11.7	12.9		102	15
4-12- 8M	1784	4.0	12.3	9.5		105	15
4-12- 8M	2208	4.2	11.7	9.0		102	15
4-12- 8M	2218	4.1	12.0	9.2		103	15
4-12- 8M	10498	4.2	11.5*	8.4		100	15
4-12- 8M	10572	4.2	11.6*	9.1		102	15
4-12- 8M	10838	4.5	11.9	9.7		107	15
4-12- 8M	10935	4.3	11.2*	9.0		101	15
4-12- 8M	10383	4.1	12.2	8.1		102	16
4-12- 8M	10393	4.5	11.4*	8.9		103	16
4-12- 8M	11447	4.1	11.4*	8.9		100	16
4-16- 4S	216	4.3	16.6	5.0		106	11
4-16- 4S	10130	4.0	15.7	5.3		101	11
4-16- 4S	10326	3.9	16.3	4.8		102	11
4-16- 4S	10005	4.3	16.1	4.8		104	13
5-10-15S	319	4.5*	11.5	13.4*		100	15
5-10-15S	1245	5.0	10.4	14.9		101	15
5-10-15S	2206	5.4	10.5	15.2	*	105	15
5-10-15S	2217	4.7*	10.6	15.2		101	15
5-10-15S	10004	5.0	8.9*	15.1		96*	15
5-10-15S	10164	4.7*	10.2	14.7		98	15
5-10-15S	10289	4.7*	11.0	15.0	*	102	15
5-10-15S	10320	4.8	10.8	15.1		102	15
5-10-15S	10323	5.0	9.9	15.4		100	15
5-10-15S	10499	4.8	9.2*	15.2		96*	15
5-10-15S	10514	4.9	9.1*	15.6		97*	15
5-10-15S	10520	5.0	9.1*	15.5		97*	15
5-10-15S	10570	4.6*	9.8	15.2		97*	15
5-10-15S	10669	4.6*	10.1	15.4		99	15
5-10-15S	10724	4.6*	9.8	15.2		97*	15
5-10-15S	10839	4.8	9.7	16.1		100	15
5-10-15S	10921	5.1	11.6	13.6*	*	104	15
5-10-15S	10932	5.0	9.5*	14.9		98	15
5-10-15S	12032	5.4	9.8	15.7		103	15
5-10-15S	10384	5.1	9.0*	15.3		97*	16
5-10-15S	11028	4.8	10.2	15.2	*	100	16

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

W. R. GRACE + CO. GRADE	NUM	N	NEW ALBANY APA	IND. POT	CONT. XS CL	RV	PHYS
5-10-15S	11448	4.9	9.7	15.7		100	16
5-10-15S	11513	4.8	9.7	15.7		99	16
5-20-20M	217	5.3	19.9	20.8		102	15
5-20-20M	1785	4.9	20.7	19.5*		101	15
5-20-20M	2216	5.2	19.4*	21.7		101	15
5-20-20M	10081	5.1	19.9	20.8		101	15
5-20-20M	10163	4.8	19.5	20.9		99	15
5-20-20M	10381	5.3	19.8	20.5		101	15
5-20-20M	10515	5.2	18.8*	21.2		99	15
5-20-20M	10573	5.1	19.6	20.4		100	15
5-20-20M	10920	5.3	19.5*	19.9		100	15
5-20-20M	10933	5.1	19.7	20.0		100	15
5-20-20M	11799	5.1	19.8	20.8		101	15
5-20-20M	12023	5.1	20.2	20.5		102	15
5-20-20M	12177	5.1	20.0	21.6		103	15
5-20-20M	10385	5.0	19.2*	20.4		98	16
5-20-20M	10394	5.0	20.8	18.7*		100	16
5-20-20M	10512	5.0	19.0*	20.4		98	16
5-20-20M	11449	5.2	19.6	20.5		100	16
5-20-20M	11514	5.0	19.7	21.4		101	16
5-20-20M	12175	5.0	20.1	20.0		100	16
5-20-20M W/B	12179	5.0	19.8	20.1		100	15
6- 6-18S	10660	6.1	6.0	18.4		101	15
6- 6-18S	10727	5.8	6.5	18.4		101	15
6- 6-18S	11780	5.6*	7.5	19.8		107	15
6-12-12M	1730	6.0	12.3	12.6		102	15
6-12-12M	10382	6.1	12.2	13.4		104	15
6-12-12M	10840	6.0	14.6	12.6		111	15
6-12-12M	10936	6.0	11.8	12.8		101	15
6-12-12M	11031	5.9	12.3	11.9		100	15
6-12-12M	12178	6.2	11.6*	12.8		101	15
6-18-12M	10321	6.1	17.9	12.1		100	15
6-18-12M	11668	6.2	17.7	14.2		103	15
6-18-12M	10327	6.0	18.5	12.1		102	16
6-18-12M	12328	6.4	17.2*	14.0		102	16
6-24-24M	10804	6.0	23.9	24.7		101	15
6-24-24M	11493	6.2	24.6	24.4		103	15
10-10-10M	1244	10.3	10.2	10.5		103	15
10-10-10M	1786	9.6*	10.2	10.7		100	15
10-10-10M	2209	9.9	10.4	10.9		102	15
10-10-10M	2215	10.3	9.9	10.4		102	15
10-10-10M	10006	9.2*	10.2	10.1		97*	15
10-10-10M	10165	9.7	10.3	10.8		101	15
10-10-10M	10322	9.6*	10.4	11.7		102	15
10-10-10M	10500	9.6*	10.2	11.4		101	15
10-10-10M	10522	9.6*	10.2	11.3		101	15
10-10-10M	10575	9.5*	10.5	11.8		102	15
10-10-10M	10726	9.7	10.2	10.8		100	15
10-10-10M	10934	9.6*	11.1	11.7		104	15
10-10-10M	11423	10.0	10.9	10.5		104	15
10-10-10M	10395	9.6*	10.4	11.9		102	16
10-10-10M	10513	10.1	10.2	10.9		103	16
10-10-10M	11030	10.0	10.2	10.4		101	16
10-10-10M	11450	9.6*	11.1	11.3		104	16
10-10-10M	12174	10.1	9.9	10.7		101	16
12-12-12M	1243	12.0	12.2	12.5		101	15
12-12-12M	10574	11.6*	12.7	12.6		101	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

W. R. GRACE + CO.		NEW ALBANY IND. CONT.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
12-12-12M	10659	11.7	11.7	13.2		100	15
12-12-12M	10937	11.8	11.7	12.7		99	15
12-12-12M	11781	11.9	12.2	12.5		101	15
12-12-12M	12022	12.0	12.0	12.0		100	15
15-15-15M	1246	14.6*	15.7	15.4		101	15
15-15-15M	1787	14.2*	15.2	16.0		99	15
15-15-15M	10576	14.3*	15.7	16.3		101	15
15-15-15M	12024	14.7	15.9	14.6*		101	15
15-15-15M	12272	14.4*	15.5	15.5		100	16
W. R. GRACE + COMPANY		**MEMPHIS TENN**					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
45- 0- 0	2170	45.1	0.	0.		100*	15
GREEN VALLEY FARM SUPPLY		**ISLAND KY.**					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15S	12303	9.2	9.6*	16.2		126	25
5-20-20M	11406	5.6	21.8	19.1*		106	25
5-20-30M	12225	5.1	21.3	30.4		104	26
10-10-10M	11407	9.8	7.7*	10.7		92*	25
10-10-10M	12226	10.1	10.5	11.1		104	25
GRO-GREEN CHEMICAL CO., INC.		**SHELBYVILLE KY.**					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-30M W/B	10422	0.	7.1*	30.0		88*	13
0-10-30M W/B	11084	0.	11.1	30.5		105	23
0-10-30M W/B	11361	0.	8.0*	33.2		98	23
0-20-20M	10728	0.	13.5*	20.5		79*	15
4- 5- 7S	12244	4.3	6.3	8.2		114	24
5-10-15S	10007	5.2	10.0	15.3		102	13
5-10-15S	10171	5.3	9.8	16.3		104	13
5-10-15S	11295	5.6	10.3	14.9		104	13
5-10-15S	1271	5.0	9.9	14.9		99	14
5-10-15S	12245	4.5*	11.8	14.2*		103	14
5-10-15S	10730	5.4	10.5	13.7*		102	15
5-10-15S	11623	5.3	10.3	15.7		104	15
5-10-15S	11866	5.0	9.9	15.1		100	15
5-20-20M	10170	5.4	19.5*	19.5*		100	13
7-10-16S	10745	6.3*	8.2*	20.8		94*	16
8-10-15S	10167	7.6*	9.0*	15.7		96*	13
8-10-15S	1269	8.4	9.2*	15.4		100	14
8-10-15S	1270	7.8	9.1*	16.0		98	14
8-10-15S	1312	7.7*	9.4*	15.5		97*	14
8-10-15S	1323	7.3*	11.9	14.3*		102	14
8-10-15S	10009	7.4*	12.4	14.3*		104	15
8-10-15S	10272	7.3*	10.3	14.2*		96*	15
8-10-15S	10351	7.9	10.8	14.3*		101	15
8-10-15S	11294	7.6*	11.1	15.1		102	15
8-10-15S	11462	8.0	8.8*	15.7		97*	15
8-10-15S	11867	7.5*	10.3	14.4*		97*	15
8-12-15S	10168	8.2	13.7	14.3*		105	13
8-12-15S	1329	8.0	12.6	14.2*		101	14
8-12-15S	11525	8.5	14.4	14.6*		109	14
8-12-15S	10008	7.5*	12.6	14.5*		99	15
8-12-15S	10729	7.8	12.8	14.9		101	15
10-10-10M	10172	9.9	10.9	11.1		104	13
10-10-10M	11526	10.1	10.5	11.6		105	14
10-10-10M	10411	9.2*	10.6	11.3		100	15
10-10-10M	10731	10.2	12.1	10.2		108	15
10-10-10M	11297	9.4*	11.8	10.7		104	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

GRO-GREEN CHEMICAL CO., INC. SHELBYVILLE KY. CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-10M	11622	10.3	9.9	10.5		102	15
11- 0-30M	11293	12.9	0.	29.4*		113	26
12-12-12M	10169	10.7*	11.8	12.0		94*	13
12-12-12M	11527	11.5*	10.8*	11.7		94*	14
12-12-12M	12224	11.8	10.2*	11.3*		93*	14
12-12-12M	10739	9.7*	14.8	10.4*		96*	15
12-12-12M	11296	9.7*	16.8	5.4*		95*	15
12-12-12M	11624	10.9*	10.5*	11.6*		91*	15
14- 7- 7M	10732	11.1*	11.8	5.4*		99	16
18- 9-24M	10746	14.8*	8.6*	26.9		92*	26
24- 6- 6M	10743	23.0*	6.3	6.3		98	16
24- 6- 6M	10744	23.7	6.7	7.8		102	16

GRO-GREEN SALES CO. SHELBYVILLE KY.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 9-29M W/B	1311	0.	6.7*	30.4		93*	24
5-10- 9S	11524	4.6*	8.7*	10.6		95*	24
5-20-20M	11085	3.0*	13.8*	25.2		82*	24
5-20-20M	11523	4.2*	17.2*	22.7		93*	24
7-14-15S	11086	7.7	16.0	14.0*		106	24
12-14-14M	11521	10.9*	15.0	15.7		101	24
15-15-20M	11088	16.6	11.5*	24.5		102	26
19- 9-21M	11522	20.0	8.0*	23.2		103	26
30- 0-20M	11087	26.5*	0.	24.6		95*	26

HOWE-HILLIARD GRAIN CO. MAYFIELD KY.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
12-30-20M	10340	12.2	32.4	19.1*		104	28

HUTSON CHEMICAL COMPANY MURRAY KY.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-50S	11463	0.	0.	51.6		103	13
0- 0-60M	10679	0.	0.	60.5		101	15
0-19-38M W/B	11300	0.	17.9*	39.5		99	25
0-46- 0	12381	0.	45.1*	0.		98	15
4-12- 8M	10344	4.7	13.1	9.2		112	11
4-12- 8M	10680	4.6	12.5	8.1		107	11
4-12- 8M	10813	4.3	13.9	8.1		111	11
5-10-10M	11710	5.0	11.6	11.1		110	11
5-10-15S	11238	5.9	12.2	13.6*	*	111	11
5-10-15S	12387	4.5*	11.1	14.6*		101	11
5-20-10M	11466	5.5	20.3	9.5*		102	13
5-20-10M	12359	5.6	20.9	9.9		105	15
5-20-20M	11158	5.1	21.4	18.8*		103	13
5-20-20M	11240	5.2	20.6	19.4*		101	13
6-12-12M	10345	5.9	12.0	12.5		100	11
6-12-12M	12197	6.3	11.8	12.7		102	11
6-12-12M	11241	6.0	12.5	11.8		101	13
6-12-12M	11711	6.0	11.6*	12.6		100	13
6-12-12M	12377	5.6*	12.1	16.9		107	13
6-12-12M	12386	5.8	11.5*	16.9		106	13
9-27-18M	11234	6.9*	28.2	20.2		98	26
10-30-20M	10346	7.4*	24.1*	25.7		87*	26
14-14-14M	11239	13.4*	14.6	14.2		99	15
15-15-15M	10347	12.3*	17.0	19.8		101	26

HYDROPONIC CHEMICAL CO., INC. COPLEY OHIO

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
7- 6-19NIT	12389	7.3	7.2	19.8		108	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

INTERNATIONAL MIN + CHEM CORP		CINCINNATI		OHIO			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-30M W/B	12251	0.	9.5*	32.6		103	15
0-20- 0	10137	0.	20.0	0.		100	11
0-20-20M	10135	0.	19.5*	21.7		101	15
0-20-20M	11327	0.	19.9	20.7		101	15
3-12-12M	642	3.7	12.8	11.9		108	15
4-12- 8M	10408	4.8	12.3	9.9		111	15
4-12- 8M	11328	4.0	20.8	9.3		143	15
4-12- 8M	11962	4.2	12.1	9.3		105	15
4-12- 8M W/B	11930	4.0	18.8	8.6		132	15
4-16- 4S	569	4.8	14.1*	6.6	*	102	13
5-10-10M	624	5.0	11.3	11.3		109	15
5-10-10M	10191	5.6	11.4	13.0		117	15
5-10-10M	10407	5.4	11.3	11.2		111	15
5-10-10M	11298	5.5	11.1	11.4		111	15
5-10-10M W/B	10143	6.0	10.3	11.6		111	15
5-10-15S	623	4.5*	9.8	15.7	*	97*	15
5-10-15S	630	4.5*	10.2	15.1	*	98	15
5-10-15S	632	4.2*	9.1*	14.8		91*	15
5-10-15S	641	5.1	9.3*	14.6*		97*	15
5-10-15S	1721	5.0	8.8*	15.8		97*	15
5-10-15S	1737	5.0	8.9*	15.7		97*	15
5-10-15S	10144	4.5*	9.3*	15.4	*	95*	15
5-10-15S	10145	5.3	10.0	14.7		101	15
5-10-15S	11918	4.9	9.8	15.4		99	15
5-10-15S	11927	5.1	10.4	14.1*		100	15
5-10-15S	11931	5.4	9.9	14.9		102	15
5-10-15S	11925	4.9	9.6*	16.3		100	16
5-20-20M	1719	5.6	18.6*	20.4		99	15
5-20-20M	11329	4.8	20.0	20.4		100	15
5-20-20M	11919	4.9	18.4*	21.4		97*	15
5-20-20M	12247	4.9	19.5*	21.0		99	15
6- 6-18M	11134	6.0	9.8	16.9*		114	15
6- 6-18S	10136	5.8	7.4	16.4*	*	101	15
6- 8- 6S	10134	6.6	8.9	6.9		111	15
6- 8- 6S	11330	7.4	9.2	6.4		118	15
6-12-12M	204	5.8	12.3	13.1		102	13
6-12-18S	570	5.2*	11.9	18.4		96*	15
6-12-18S	625	6.0	11.9	17.9		99	15
6-12-18S	11920	5.6*	12.9	18.0		101	15
10-10-10M	626	8.6*	10.1	13.3		99	15
10-10-10M	627	9.0*	10.3	10.8		97*	15
10-10-10M	628	8.7*	10.0	11.4		96*	15
10-10-10M	643	9.8	9.9	11.0		100	15
10-10-10M	1720	8.9*	10.3	13.4		101	15
10-10-10M	10406	8.9*	10.4	12.9		101	15
10-10-10M	10526	9.1*	9.9	13.2		100	15
10-10-10M	10528	8.8*	10.0	11.6		96*	15
10-10-10M	11135	10.1	6.5*	11.6		91*	15
10-10-10M	11299	9.9	9.9	11.6		102	15
10-10-10M	11915	9.3*	10.6	10.7		100	15
10-10-10M	11921	9.5*	10.5	10.4		100	15
10-10-10M	11922	9.8	10.2	10.7		101	15
10-10-10M	11929	10.1	9.7*	11.3		102	15
10-10-10M	12252	9.3*	10.9	10.6		100	15
10-20-20M	629	9.0*	19.4*	21.1		96*	15
10-20-20M	10530	9.4*	18.7*	22.0		97*	15
10-20-20M	11923	9.9	19.3*	19.9		98	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

INTERNATIONAL MIN + CHEM CORP		CINCINNATI	OHIO CONT.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
12-12-12M	205	11.5*	12.1	12.1		98	15
12-12-12M	10405	11.5*	12.3	12.6		99	15
12-12-12M	10529	11.9	12.2	12.0		100	15
12-12-12M	10532	11.5*	12.6	13.0		101	15
12-12-12M	11924	11.6*	12.6	12.8		101	15
12-12-12M	12025	11.9	12.6	11.6*		101	15
12-12-12M	11926	12.1	11.4*	12.9		100	16
14-14-14M	10531	12.9*	15.0	14.3		99	15
INTERNATIONAL MIN + CHEM CORP		CLARKSVILLE	TENN				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	12311	0.	20.0	0.		100	11
0-20-20M	12357	0.	20.2	18.0*		97*	21
0-20-20M	12369	0.	13.7*	14.0*		69*	23
0-20-20M	10243	0.	19.6	19.4*		98	11
0-20-20M W/B	11065	0.	19.2*	20.5		98	11
4-12- 8M	10377	4.3	12.6	9.2		107	11
4-12- 8M	11669	4.2	12.8	9.1		107	13
5-10-10M	10684	5.2	10.5	10.5		105	15
5-10-15S	1214	5.0	10.2	14.4*	*	100	11
5-10-15S	1215	5.2	10.0	14.2*		100	11
5-10-15S	10378	5.0	10.1	15.4	*	101	11
5-10-15S	11716	5.1	10.7	15.3	*	104	11
5-10-15S	11717	5.0	9.5*	15.9		100	11
5-10-15S	10685	4.8	12.0	15.7	*	108	15
5-10-15S	11670	4.9	11.0	13.7*		101	15
5-20-20M	1286	4.7*	19.9	19.4*		98	11
5-20-20M	11256	5.3	18.6*	19.3*		97*	13
5-20-20M	12309	4.3*	19.3*	19.1*		94*	13
5-20-20M	11718	4.5*	16.6*	19.3*		88*	15
5-20-20M	12214	5.4	18.8*	18.1*		96*	23
6-12-12M	12370	6.2	11.8	12.9		102	11
6-12-12M	12310	5.6*	12.0	12.9		99	13
6-12-12M	11719	5.4*	12.4	12.9		100	15
6-24-24M	12215	6.6	25.7	18.5*		100	23
10-10-10M	1287	9.3*	10.8	10.8		100	11
10-10-10M	11064	9.9	9.9	10.8		100	11
10-10-10M	1212	9.7	9.9	10.1		99	13
10-10-10M	1213	9.0*	10.0	10.1		95*	13
10-10-10M	11720	8.7*	10.5	11.1		97*	13
10-10-10M	10379	9.5*	9.5*	12.1		99	15
10-10-10M	10686	9.7	9.4*	10.5		97*	15
10-10-10M	10687	8.2*	11.3	13.9		102	15
10-10-10M	11257	9.7	9.8	10.8		99	15
10-10-10M	11258	9.5*	9.7*	10.9		98	15
10-10-10M	11671	8.5*	10.6	12.7		99	15
12-12-12M	11721	10.2*	9.7*	15.1		90*	25
15-15-15M	10688	13.2*	14.1*	15.4		92*	25
INTERNATIONAL MIN + CHEM CORP		GREENVILLE	TENN				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	290	0.	18.5*	0.		92*	11
0-20-20M	206	0.	18.4*	20.0		94*	11
0-20-20M	285	0.	18.7*	20.5		96*	13
5-10- 5M	207	5.3	9.9	9.6		113	11
5-10- 5M	286	4.6*	10.0	6.0		99	13
5-10-10M	208	5.3	9.9	10.3		102	11
5-10-10M	287	5.2	10.2	10.2		103	11
6-12-12M	288	5.9	12.5	11.1*		100	13

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

INTERNATIONAL MIN + CHEM CORP		GREENVILLE		TENN CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-10M	289	9.9	10.8	9.3*		101	13
INTERNATIONAL MIN + CHEM CORP		SKOKIE		ILL.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-22S	11248	0.	0.	22.2		101	16
0- 0-50S	11974	0.	0.	50.3		101	11
0- 0-60M	12281	0.	0.	60.2		100	15
33- 0- 0	2193	33.5	0.	0.		100	15
33- 0- 0	11063	34.1	0.	0.		102	15
33- 0- 0	12055	33.4	0.	0.		100	17
INTERNATIONAL MIN + CHEM CORP		SOMERSET		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20-20M	10417	0.	20.6	19.8		102	13
0-20-20M	2257	0.	20.3	20.5		102	21
0-20-20M	10551	0.	20.3	19.8		100	21
0-20-20M W/B	10109	0.	19.5	19.9		98	21
3-12-12M	1239	3.3	12.1	12.6		104	11
3-12-12M	10220	3.3	12.5	11.5*		103	11
4-12- 8M	10162	3.8	12.0	11.0		105	11
4-12- 8M	10221	3.4*	11.3*	11.6		101	11
4-12- 8M	10418	4.4	12.4	8.4		105	11
5-10-10M	1236	5.6	10.1	11.1		107	13
5-10-10M	1237	5.5	9.6*	11.0		104	13
5-10-15M/S	10217	4.7*	9.8	15.2		98	11
5-10-15S	1235	4.9	10.2	15.1	*	100	11
5-10-15S	2260	4.7*	10.1	15.0		98	11
5-10-15S	10219	4.8	9.9	15.6		100	11
5-10-15S	10413	5.2	10.2	14.2*	*	101	11
5-10-15S	10416	5.2	9.9	15.2		101	11
5-10-15S	10553	5.2	9.9	15.6		102	11
5-10-15S	11175	5.0	10.2	15.0		101	11
5-10-15S	11176	4.8	9.9	15.4	*	99	11
5-10-15S	11383	5.1	10.2	14.9	*	101	11
5-10-15S	11380	5.2	10.6	14.0*	*	102	13
5-20-20M	2261	4.4*	19.2*	20.5		96*	11
5-20-20M	10110	4.6*	17.4*	21.1		93*	11
5-20-20M	2255	4.6*	21.2	19.0*		100	13
5-20-20M	10414	5.1	18.2*	20.0		95*	13
5-20-20M	10420	5.0	19.6	19.3*		98	13
5-20-20M	10663	4.7*	18.8*	19.2*		95*	13
5-20-20M	11379	4.9	19.4*	21.0		99	13
5-20-20M	10161	5.1	19.1*	21.1		100	15
5-20-20M	10550	4.9	20.1	19.6		99	15
5-20-20M	11381	4.9	22.2	17.7*		102	15
6-12-12M	10549	5.8	12.3	12.7		101	11
6-12-12M	11273	5.9	12.0	12.3		100	11
6-12-12M	11377	5.7*	12.2	12.9		101	11
6-12-12M	2259	6.1	12.0	12.9		102	13
6-12-12M	11382	5.9	12.2	12.6		101	13
6-12-18S	10412	5.5*	11.7	17.9		96*	13
6-12-18S	10552	5.6*	11.9	17.8		97*	13
6-12-18S	11177	5.6*	10.5*	19.3		95*	13
6-18-12M	10218	6.1	16.2*	12.2		95*	11
10-10-10M	2256	9.9	9.9	10.2		99	11
10-10-10M	2258	9.6*	10.0	9.6*		97*	11
10-10-10M	10222	9.7	10.5	9.5*		99	11
10-10-10M	1238	10.3	9.9	10.1		101	13
10-10-10M	10044	10.0	10.3	9.6*		100	13

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

INTERNATIONAL MIN + CHEM CORP		SOMERSET		KY. CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-10M	10216	8.9*	10.5	10.2		97*	13
10-10-10M	10415	10.2	10.0	9.9		101	13
10-10-10M	10421	10.0	10.0	9.9		100	13
10-10-10M	11178	9.3*	10.7	11.4		101	13
10-10-10M	11179	9.5*	10.4	10.4		100	13
10-10-10M	11378	9.9	9.9	10.7		100	13
12-12-12M	10419	11.3*	12.4	12.0		98	13
12-12-12M	10779	11.6*	12.0	12.0		98	15
20- 0-10M	10043	12.5*	0.	9.9		68*	13
20- 0-10M	10376	12.3*	0.	11.2		69*	13
20- 0-10M	11208	15.9*	0.	10.6		83*	13
INTERNATIONAL MIN + CHEM CORP		TORONTO		CAN.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-60M	305	0.	0.	60.2		100	15
KENCO FERTILIZER CO.		HORSE CAVE		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12- 8M	10259	4.2	13.2	8.4		108	25
5-10-15S	10258	4.7*	9.9	15.4		98	15
10-10-10M	1275	10.5	10.4	10.1		104	25
10-20-10M	10256	10.8	19.8	9.6*		102	26
17-17-17M	11477	18.9	16.9*	15.1*		99	26
20-10-10M	12116	17.0*	11.9	11.7		96*	25
20-10-10M	12122	20.6	10.2	9.8		102	25
20-20-10M	10257	19.7	20.5	9.9		100	25
KENTUCKY FERTILIZER WORKS		WINCHESTER		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-21S	11045	0.	0.	21.4		102	15
0- 0-50S	10187	0.	0.	49.0*		98	11
0- 0-60M	10186	0.	0.	59.7		100	15
0-20- 0	10233	0.	19.8	0.		99	11
0-20-20M	10461	0.	20.5	20.8		103	11
0-20-20M	11047	0.	18.8*	20.6		97*	11
0-20-20M	12098	0.	19.6	21.3		101	11
0-20-20M	11354	0.	19.7	21.3		101	12
0-20-20M W/B	12062	0.	16.9*	19.6		89*	11
4-12- 8M	10231	4.2	11.4*	8.3		99	11
4-12- 8M	10462	4.5	11.4*	9.8		105	11
4-12- 8M	11953	4.3	11.8	8.3		102	11
4-12- 8M	11955	4.5	11.9	9.3		106	11
4-12- 8M	12170	4.2	11.3*	9.3		101	11
4-16- 4S	10966	4.1	15.4*	5.1		101	11
5-10-10M	10463	5.1	10.2	10.9		103	11
5-10-10M	10967	5.3	9.9	10.7		103	11
5-10-15S	10051	4.8	9.6*	15.5		98	11
5-10-15S	10181	5.1	9.8	16.0		102	11
5-10-15S	10464	5.0	10.0	14.9		100	11
5-10-15S	10834	5.0	10.0	16.3		103	11
5-10-15S	10968	5.2	9.8	15.1		101	11
5-10-15S	11042	5.2	10.0	15.5		102	11
5-10-15S	11048	5.0	10.5	15.0		102	11
5-10-15S	11355	4.9	10.2	14.9		100	12
5-20-20M	10182	5.0	19.5*	20.6		99	11
5-20-20M	11049	5.1	19.9	19.9		100	11
5-20-20M	12049	5.3	19.1*	19.8		99	11
5-20-20M	12063	5.4	18.9*	20.8		100	11
5-20-20M	12099	5.3	19.2*	21.2		101	11
5-20-20M	12167	5.1	18.6*	19.7		96*	11

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

KENTUCKY FERTILIZER WORKS		WINCHESTER		KY. CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	11954	5.2	18.5*	20.0		97*	23
5-20-20M	11956	5.0	19.0*	21.9		100	23
6- 6-18S	10183	6.4	5.8	19.9		106	11
6- 6-18S	10969	6.8	5.9	17.6		104	11
6- 6-18S	11050	6.5	5.9	17.5*		102	11
6- 6-18S	12064	6.0	6.4	18.1		102	11
6- 6-18S	12331	6.5	6.1	17.4*		102	11
6- 6-18S	12059	6.2	6.2	17.2*		100	12
6- 6-18S	12061	6.5	6.1	19.2		106	12
6- 6-18S	10108	6.6	5.9	18.1		103	13
6- 8- 6S	10184	6.1	7.9	6.6		102	11
6- 8- 6S	10192	5.9	9.4	7.1	*	109	11
6- 8- 6S	10232	6.1	8.2	6.4		103	11
6- 8- 6S	11051	6.2	8.3	7.0		106	11
6- 8- 6S	11957	6.3	7.7	6.6		103	11
6- 8- 6S	12171	6.1	8.0	6.3		102	11
6- 8- 6S	12332	6.1	8.3	5.6*		101	11
6- 9-13S	12060	6.5	8.8	13.9		100	12
8-10-15S	11043	8.4	10.0	14.3*		101	11
8-10-15S	11788	8.3	9.9	14.8		101	11
10-10-10M	10185	9.1*	11.1	9.9		99	11
10-10-10M	10465	9.7	10.7	10.2		101	11
10-10-10M	10835	10.5	9.9	11.1		104	11
10-10-10M	11044	9.7	10.0	10.8		100	11
10-10-10M	12050	10.3	9.8	10.6		102	11
10-10-10M	12100	10.1	9.9	10.5		101	11
10-10-10M	12168	10.4	9.7	10.7		102	11
10-10-10M	10107	9.8	10.3	11.1		102	13
12-12-12M	10466	11.8	11.7	12.3		99	15
PRESCRIPTION FERT. SERVICE		GUTHRIE		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-30-15M	11068	0.	32.1	13.6*		104	26
4-32-16M	11066	4.3	32.1	16.0		101	25
4-32-16M	11570	4.6	32.2	15.8		102	25
15-15- 5M	11067	11.9*	22.3	5.3		107	26
S. S. KRESGE		DETROIT		MICH			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10- 6- 4M	10925	10.6	7.5	6.0		115	15
20-10- 5M	10926	19.4*	12.4	4.7*		103	15
LAND-O-NAN WAREHOUSE		MORGANFIELD		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	10370	5.0	19.9	18.2*		97*	15
LAND-O-NAN WAREHOUSE		STURGIS		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-23-30M	11105	0.	24.1	28.5*		101	26
5-20-30M	12305	4.9	18.0*	34.1		100	25
10-20-20M	11106	9.6*	19.7	22.6		101	26
12-12-12M	12307	11.3*	11.4*	14.0		98	14
LINCOLN FARM SERVICE		STANFORD		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
8-15-30S	11495	7.7*	14.8	31.5		100	26
MIDSOUTH CHEM. CO., INC.		MEMPHIS		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-46- 0	12000	0.	45.6	0.		99	16
MISSISSIPPI CHEMICAL CORP.		YAZOO CITY		MISS			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
33- 0- 0	10681	33.7	0.	0.		101	17

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

MONSANTO AGRI. CENTERS, INC.		SLAUGHTERS	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-23-30M	11441	0.	23.2	28.4*		98	26
5-10-15S	11099	4.9	10.1	13.8*	*	97*	15
5-20-20M	11097	5.6	22.1	19.9		108	25
5-20-20S	11442	6.5	18.5*	20.4		102	26
5-20-30M	12304	6.4	22.6	25.2*		105	25
6- 8- 6M	11098	6.2	14.5	8.5		140	25
6-26-26M	11096	7.3	28.3	22.9*		106	25
12-12-12M	10357	12.2	15.5	11.6*		110	25
NORTH AMERICAN FERT. CO.		LOUISVILLE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-50S	10943	0.	0.	49.5		99	11
0- 0-50S	11445	0.	0.	45.8*	*	92*	11
0- 0-50S	11304	0.	0.	49.3		99	13
0-20- 0	10942	0.	19.1*	0.		96*	11
0-20- 0	11305	0.	19.9	0.		100	11
0-20-20M	10666	0.	18.6*	20.3		96*	11
0-20-20M	10738	0.	18.3*	20.5		95*	11
0-20-20M	11860	0.	18.5*	20.5		96*	11
0-20-20M	11861	0.	18.5*	19.6		94*	11
3- 9- 6M	10205	4.4	12.8	14.6		162	11
3-12-12M	324	3.5	11.8	13.9		107	11
3-12-12M	10283	3.5	11.8	12.9		105	11
4-12- 8M	10204	3.9	12.0	8.9		101	11
4-12- 8M	10324	4.0	10.3*	9.3		95*	11
4-12- 8M	11893	4.4	11.6*	9.8		105	11
4-16- 4S	1793	4.2	15.3*	6.0		103	11
5-10-15S	325	4.9	9.3*	15.4		97*	11
5-10-15S	1261	5.1	10.3	16.0		104	11
5-10-15S	10268	4.9	9.9	15.4		100	11
5-10-15S	10280	5.1	9.7*	15.4		100	11
5-10-15S	10282	5.1	9.8	15.5		101	11
5-10-15S	10290	5.1	9.8	16.0		102	11
5-10-15S	10733	5.1	9.3*	16.3		100	11
5-10-15S	10939	5.5	9.6*	16.1		104	11
5-10-15S	11335	5.2	9.5*	15.2		100	11
5-10-15S	11443	5.3	9.9	15.1		101	11
5-10-15S	11858	5.1	9.6*	16.0		101	11
5-10-15S	11862	5.2	9.9	16.6		104	11
5-20-20M	10737	5.1	19.2*	19.9		98	11
5-20-20M	10940	5.3	19.1*	19.8		98	13
5-20-20M	10665	5.2	19.7	20.1		100	15
5-20-20M	11892	5.2	17.6*	24.6		101	15
6- 6-18S	10734	5.9	6.5	18.1		101	11
6- 6-18S	11306	5.9	6.5	18.4		102	13
6- 8- 6M	1772	5.9	8.2	8.1		106	11
6- 8- 6M	12181	5.7*	9.5	8.9		113	11
6- 8- 6M	12254	5.6*	9.2	8.0		108	11
8-10-15S	10723	7.8	9.6*	15.4		98	13
10-10-10M	1771	9.1*	9.8	12.6		99	11
10-10-10M	10281	9.3*	9.8	11.4		98	11
10-10-10M	10736	10.0	9.9	10.1		100	11
10-10-10M	11444	9.9	9.6*	12.4		102	11
10-10-10M	12255	9.6*	10.0	10.4		99	11
10-10-10M	10664	9.9	10.6	12.6		106	13
10-10-10M	10722	9.7	9.9	10.5		99	13
10-10-10M	10941	9.7	10.8	10.4		102	13
10-10-10M	11337	9.9	9.6*	10.9		100	13

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

NORTH AMERICAN FERT. CO.		LOUISVILLE KY. CONT.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-10M	12180	9.9	10.1	10.3		100	13
10-10-10M	11675	9.7	10.9	12.2		105	15
10-10-10M	11859	10.7	11.2	10.6		108	15
10-10-10M	11891	10.2	10.5	10.1		103	15
12-12-12M	10735	9.2*	12.3	14.5		93*	15
12-12-12M	11336	9.2*	12.5	14.5		93*	15
16-16-16M	11338	15.8	15.8	15.8		99	17
OHIO VALLEY FERTILIZER , INC.		**MAYSVILLE KY.**				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12- 8M	11646	4.1	12.0	8.1		101	11
4-12- 8M	10410	4.3	11.3*	8.9		101	13
4-18-18M W/B	11125	3.9*	16.5*	19.5		92*	23
4-19-19M W/B	11123	3.5*	17.9*	23.9		97*	25
5-10-15S	647	4.9	10.0	14.3*		98	11
5-10-15S	11120	5.2	9.9	14.7		100	11
5-10-15S	11648	5.1	9.7	15.1		100	11
5-10-15S	650	4.7*	9.9	15.1		98	13
5-10-15S	651	4.9	10.1	14.5*		99	13
5-10-15S	11131	5.2	10.0	14.1*		100	13
5-10-20S	11132	4.9	9.8	20.1		99	13
5-20-20M	655	4.7*	19.2*	20.1		97*	13
5-20-20M	11647	4.5*	18.0*	21.8		95*	13
6- 6-18S	653	5.9	6.3	18.1		101	13
6- 8- 6S	11645	6.1	7.8	7.0		103	11
6- 8- 6S	648	6.0	7.3*	5.1*		94*	13
6-12-18S	11133	6.1	11.1*	18.7		99	13
8-10-15S	652	7.8	9.9	15.8		100	13
10-10-10M	646	9.8	9.9	9.8		98	13
10-10-10M	654	9.4*	10.1	9.9		97*	13
10-10-10M	11124	9.5*	10.3	10.0		98	13
10-10-20S	11121	8.5*	8.6*	22.9		94*	23
10-10-20S	11122	7.8*	7.9*	22.6		88*	25
10-10-20S	11126	8.9*	9.2*	20.2		93*	25
10-10-20S	11127	12.4	13.0	18.2*		116	25
12-12-12M	10409	11.3*	13.3	12.0		101	15
OLIN MATHIESON CHEM. CORP.		**LITTLE ROCK ARK.**				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-18-36M	11603	5.9	17.1*	37.7		100	15
6-24-24M	11602	6.3	24.3	23.6		101	15
13-13-13M	264	12.7	13.2	13.9		100	15
13-13-13M	11601	13.0	13.7	13.4		102	15
OLIN MATHIESON CHEM. CORP.		**HOUSTON TEX.**				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-24-24M	262	6.1	25.0	25.3		104	15
6-24-24M	10337	6.0	24.7	24.0		102	17
10-20-20M	263	9.7	20.2	21.7		101	15
F. S. ROYSTER GUANO COMPANY		**NORFOLK VA.**				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20-20M	1790	0.	19.8	19.6		99	15
0-20-20M	11292	0.	20.1	20.8		102	15
0-20-20M W/B	1792	0.	20.3	18.9*		99	15
0-20-20M W/B	10027	0.	20.1	20.0		100	24
3-12-12M	10030	3.0	12.0	12.0		100	11
4-12- 8M	10025	4.2	11.9	9.6		104	14
4-12- 8M	10029	4.2	11.7	10.5		106	15
4-12- 8M	10927	3.9	11.3*	8.9		98	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

F. S. ROYSTER GUANO COMPANY		NORFOLK VA.			CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15M	11033	5.4	9.8	14.9		101	15
5-10-15S	1800	5.3	10.5	14.6		103	15
5-10-15S	10291	5.1	10.3	15.1		102	15
5-10-15S	10501	5.0	10.7	14.8		103	15
5-20-20M	10026	4.3*	19.8	19.5*		96*	14
5-20-20M	10028	4.8	19.8	19.9		99	15
5-20-20M	10502	4.6*	19.8	20.0		98	15
5-20-20M	11035	5.5	20.7	18.6*		102	15
5-20-20M	11289	5.1	18.7*	21.1		99	15
6-12-12M	1791	6.2	12.4	12.3		103	15
6-12-12M	1799	6.1	12.0	12.8		102	15
6-12-12M	10503	6.0	13.0	11.3*		102	15
6-12-12M	11034	6.2	12.3	11.3*		101	15
10-10-10M	1801	10.2	10.1	10.3		102	15
10-10-10M	10292	9.7	9.9	11.0		100	15
10-10-10M	11032	9.9	11.0	11.0		105	15
10-10-10M	11038	9.6*	10.9	11.6		104	15
10-10-10M	11290	10.3	10.3	10.4		103	15
10-10-10M	11345	10.0	10.0	10.9		101	15
10-10-15S	1788	9.6*	11.2	15.0		102	15
10-10-15S	11344	10.0	10.9	15.2		103	15
12-12-12M	1789	11.8	12.4	11.9		100	15
33- 0- 0	10965	33.6	0.	0.		100	17
33- 0- 0	12048	33.8	0.	0.		101	17
PRICE CHEMICAL COMPANY		LOUISVILLE KY.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-50S	10964	0.	0.	49.4		99	13
0-10-30M W/B	11356	0.	11.5	28.4*		103	16
0-20- 0	11667	0.	18.1*	0.		91*	15
0-20-20M	11282	0.	18.0*	19.3*		92*	13
0-20-20M	12041	0.	18.4*	18.7*		93*	13
0-20-20M	10958	0.	19.5*	20.4		99	15
0-20-20M	11331	0.	18.3*	21.6		97*	15
0-20-20M	11878	0.	18.7*	19.7		95*	15
0-20-20M	11419	0.	19.7	19.8		98	16
0-20-20M W/B	11880	0.	19.0*	19.8		96*	15
0-20-20M W/B	10712	0.	19.8	19.7		99	22
0-20-20M W/B	10879	0.	20.5	19.9		101	26
3-12-12M	10173	3.0	11.8	12.6		100	11
4-12- 8M	10174	4.2	12.1	10.1		106	11
4-12- 8M	10319	4.0	12.1	8.2		101	15
4-12- 8M	10617	4.0	12.2	9.5		104	15
4-12- 8M	11663	3.9	12.1	9.7		104	15
4-12- 8M	11664	4.0	12.4	9.8		106	15
4-12- 8M	12126	4.1	12.0	8.7		102	15
4-12- 8M	12269	4.1	12.4	9.8		106	15
4-12- 8M	12315	4.3	13.0	9.8		111	15
4-12- 8M W/B	10667	4.2	12.4	9.9		107	15
4-16- 4S	309	3.9	16.6	4.8		104	11
4-16- 4S	10959	4.5	16.4	5.1	*	107	11
5-10-15S	10618	5.2	9.2*	16.0		100	13
5-10-15S	10708	5.0	10.1	14.8		100	13
5-10-15S	10711	5.2	10.2	14.4*		101	13
5-10-15S	11269	5.4	9.9	14.6		101	13
5-10-15S	11314	5.4	10.3	14.8		103	13
5-10-15S	11752	5.1	10.1	14.6*		100	13
5-10-15S	10881	5.4	10.2	15.7		104	14

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

PRICE CHEMICAL COMPANY		LOUISVILLE KY. CONT.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-15S	578	5.1	10.5	14.6*		102	15
5-10-15S	10050	5.3	10.6	14.8		104	15
5-10-15S	10175	5.3	10.0	14.8		101	15
5-10-15S	10195	5.1	10.1	14.2*		100	15
5-10-15S	10668	5.0	10.5	14.4*		101	15
5-10-15S	10876	5.1	10.2	16.3		104	15
5-10-15S	10877	5.2	10.2	16.3		105	15
5-10-15S	10960	5.3	10.3	15.3		103	15
5-10-15S	11315	5.1	10.0	15.4		101	15
5-10-15S	11665	5.3	10.4	15.4		104	15
5-10-15S	11879	5.1	10.2	16.3	*	104	15
5-10-15S	11357	4.9	10.7	15.9		104	16
5-10-15S	11704	4.7*	11.4	15.7		105	16
5-10-15S	11707	4.9	11.1	15.7		105	16
5-20-20M	10706	4.9	19.3*	20.2		98	13
5-20-20M	10882	5.0	19.0*	19.9		97*	14
5-20-20M	308	4.7*	19.6	19.4*		97*	15
5-20-20M	10619	5.3	19.1*	19.1*		98	15
5-20-20M	11271	5.3	19.5*	19.5*		99	15
5-20-20M	11332	5.6	19.2*	18.5*		98	15
5-20-20M	11666	5.0	20.2	19.7		100	15
5-20-20M	11876	5.0	19.5*	21.4		101	15
5-20-20M	12221	4.9	19.3*	19.5*		97*	15
5-20-20M	11733	5.1	19.8	20.8		101	16
6- 6-18S	11787	6.1	6.3	18.5		103	13
6- 6-18S	10176	6.6	6.7	17.5*		106	15
6- 6-18S	10961	6.2	6.4	17.4*		102	15
6- 6-18S	12220	6.0	6.4	17.9		101	15
6- 6-18S	11358	6.3	6.4	17.5*		103	16
6- 8- 6S	10177	5.8	10.0	7.0		111	15
6- 8- 6S	10962	6.2	8.8	6.7		107	15
6- 8- 6S	12047	6.0	8.6	6.6		105	15
6-12-12M	10709	6.3	12.1	12.8		104	13
6-12-12M	10178	6.2	12.3	11.9		102	15
6-12-12M	11705	6.5	12.5	12.3		105	16
8-10-15S	307	7.5*	10.3	15.7		100	15
10-10-10M	10707	9.7	9.9	10.5		99	13
10-10-10M	11313	10.2	9.9	10.9		102	13
10-10-10M	12123	10.1	10.0	10.9		102	13
10-10-10M	10049	10.4	10.3	10.0		103	15
10-10-10M	10179	10.2	10.4	10.2		102	15
10-10-10M	10620	9.9	10.5	9.6*		101	15
10-10-10M	10963	10.2	10.0	11.1		103	15
10-10-10M	11272	10.1	9.9	10.8		102	15
10-10-10M	11333	10.4	10.4	10.1		103	15
10-10-10M	11877	9.9	10.2	10.8		101	15
10-10-10M	11881	9.9	11.1	10.9		105	15
10-10-10M	10880	10.2	10.4	10.7		103	16
10-10-10M	11706	10.1	10.2	10.8		102	16
10-10-15S	10710	9.7	10.7	15.1		101	13
10-10-15S	306	9.2*	10.6	15.1	*	98	15
10-10-15S	1216	9.7	11.7	15.1	*	104	15
10-10-15S	10875	9.8	10.7	16.3		103	15
10-10-15S	10878	9.8	11.0	14.5*		101	15
10-10-15S	12270	9.5*	10.5	15.5		100	15
10-10-15S	11359	9.0*	10.7	15.6		98	16
10-10-15S	11360	10.0	10.9	15.6		104	16

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

PRICE CHEMICAL COMPANY		LOUISVILLE		KY. CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
12-12-12M	11270	11.8	12.6	11.5*		100	15
12-12-12M	11334	12.0	12.3	12.0		101	15
12-12-12M	11621	11.2*	12.0	12.6		97*	15
SADLER FERTILIZER COMPANY		UNION CITY		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-24-24M	11607	3.8*	33.3	20.0*		109	11
O. M. SCOTT + SONS		MARYSVILLE		OHIO			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
23- 7- 7M	328	22.8	6.9	7.5		100	15
SPENCER CHEMICAL COMPANY		KANSAS CITY		MO.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
33- 0- 0	10754	33.6	0.	0.		100	17
33- 0- 0	11960	33.4	0.	0.		100	17
STEWART FERTILIZER SERVICE		MT. VERNON		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20-20M	10034	0.	19.9	24.1		107	25
0-20-20M	11280	0.	22.8	21.0		111	26
4-12- 8M	12144	4.2	12.0	8.1		102	25
4-12- 8M	11279	4.7	13.5	9.9		116	26
5-10-15S	12141	4.5*	10.4	16.3		101	23
5-10-15S	10033	6.5	13.2	19.7		131	25
5-10-15S	10759	4.9	9.8	13.8*		96*	25
5-10-15S	10766	4.3*	8.7*	11.7*		84*	25
5-10-15S	11308	5.4	10.0	14.9		102	25
5-10-15S	11274	5.9	12.0	16.7		117	26
5-20-20M	10032	5.0	19.7	20.2		99	25
5-20-20M	10758	5.1	20.8	19.8		102	25
5-20-20M	12142	6.3	20.3	19.8		106	25
5-20-20M	11265	4.9	22.0	23.4		109	26
5-20-20M	11267	4.8	16.7*	17.2*		87*	26
5-20-20M	11277	6.5	22.2	20.2		112	26
5-20-20M	11278	7.6	22.1	17.3*		112	26
5-20-20M	11281	4.7*	21.0	25.5		109	26
7- 9-14S	11263	7.3	9.3	14.2		104	26
7-10-15S	11276	9.3	10.4	14.1*		112	26
8-10-15S	11266	10.8	10.7	16.8		120	26
10-10-10M	10031	8.6*	9.0*	10.7		91*	25
10-10-10M	10760	10.4	10.6	10.4		105	25
10-10-10M	12143	10.4	11.4	10.3		107	25
10-10-10M	11275	10.2	10.4	11.1		104	26
13-10-15S	11264	15.2	12.2	19.0		120	26
33- 0- 0	12344	33.6	0.	0.		100	17
SWIFT + COMPANY		NAT STOCKYDS		ILL.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
3-12-12M	12206	3.2	11.3*	13.0		101	15
4-12- 8S	12207	3.8	12.1	8.2		100	15
5-20-20M	10369	5.0	19.5*	21.2		100	15
5-20-20M	12208	4.9	21.0	19.9		102	15
6-24-24M	11166	5.6*	22.1*	25.7		96*	15
6-24-24M	11598	6.1	23.1*	25.5		100	15
6-24-24M	11599	5.9	23.8	24.6		100	15
10-10-10M	265	9.2*	11.2	10.1		100	15
12-12-12M	266	12.0	12.2	12.3		101	15
12-12-12M	12209	11.9	12.4	12.3		101	15
TENNESSEE CORPORATION		ATLANTA		GA.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-46- 0	11246	0.	46.2	0.		100	16

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

TENNESSEE CORPORATION		ATLANTA	GA. CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
18-46- 0	11245	18.1	46.4	0.		101	16
TENNESSEE CORPORATION		CINCINNATI	OHIO			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	10013	0.	18.4*	0.		92*	11
0-20-20M	1717	0.	17.8*	21.0		94*	11
0-20-20M	10014	0.	18.6*	20.8		97*	13
4-12- 8M	11017	4.8	11.4*	8.9		105	13
4-16- 4S	10521	3.8	15.5*	5.4	*	100	11
5-10- 5M	1797	5.9	10.0	6.0		109	11
5-10-15S	1718	5.9	10.2	15.6		107	11
5-10-15S	11016	5.3	9.9	15.3		102	13
5-10-15S	12249	5.5	10.3	15.6		105	15
5-20-20M	10015	5.3	19.5*	20.2		100	15
10-10-10M	11910	10.7	10.2	9.8		104	15
TENNESSEE CORPORATION		NEW ALBANY	IND.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20- 0	10755	0.	19.1*	0.		96*	11
0-20- 0	10873	0.	20.0	0.		100	11
0-20-20M	10116	0.	19.5	20.0		98	11
0-20-20M	10757	0.	19.2*	18.9*		95*	21
0-25-25M	11791	0.	23.4*	26.1		97*	25
0-25-25M W/B	10117	0.	20.4*	23.2*		85*	15
3-12-12M	10869	3.4	12.3	13.9		108	11
3-12-12M	11944	3.5	12.1	13.0		106	13
4-12- 8M	10113	4.5	11.9	9.0		105	11
4-12- 8M	10756	5.2	12.7	12.4		121	11
5-10-10M	10111	5.0	10.4	10.6		103	11
5-10-15S	10114	5.3	10.4	14.7		103	11
5-10-15S	10872	5.3	10.0	16.9		105	11
5-10-15S	12045	5.2	10.2	15.8		104	11
5-10-15S	1798	5.6	10.2	15.1		105	15
5-10-15S	10884	5.5	9.8	15.4		103	15
5-20-20M	10874	5.0	19.7	20.9		100	13
5-20-20M	11754	5.3	18.5*	21.0		99	13
5-20-20M	12044	4.8	20.2	21.2		101	13
5-20-20M	10112	4.8	20.0	21.8		102	15
5-20-20M	11789	5.4	18.6*	20.8		99	15
6- 6-18S	10870	6.5	6.9	16.4*		104	11
6- 8- 6S	10871	6.1	8.6	7.8	*	109	11
10-10-10M	11790	10.6	10.0	10.1		103	11
10-10-10M	10115	9.0*	11.9	12.2		105	13
10-10-10M	10868	10.8	10.0	10.5		105	13
10-10-10M	11945	10.7	9.9	10.4		104	13
10-10-20S	10883	10.5	12.0	18.6*		106	15
TENNESSEE FARMERS COOP.		LAVERGNE	TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
15-15-15	1732	13.9*	14.9	15.7		97*	15
15-15-15M	12384	14.5*	15.0	15.9		99	15
THOMPSON SALES COMPANY		MONTGOMERY	ALA.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
18-46- 0	1731	18.0	46.4	0.		101	18
TRI-STATE CHEMICAL CO.		HENDERSON	KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-20-20M	11808	0.	20.8	29.6		118	16
0-20-20M	11811	0.	19.8	20.2		99	25
0-25-25M	12301	0.	22.0*	26.8		94*	23
4-10-15M	12308	4.6	10.0	14.8		103	14

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

TRI-STATE CHEMICAL CO.		HENDERSON	KY. CONT.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-10-15M	10924	4.7	11.0	15.2		109	15
4-10-15M	11809	5.2	14.6	12.2*		121	15
4-10-15M	11816	4.7	9.1*	17.5		106	16
5-10-15S	11100	5.6	11.7	15.5	*	111	13
5-10-15S	11432	5.6	11.5	16.1	*	112	14
5-10-15S	10908	5.6	11.9	17.3	*	116	15
5-10-15S	12021	5.6	12.1	15.6	*	113	16
5-20-20M	12302	4.7*	17.6*	21.9		95*	13
5-20-20M	10909	5.7	18.5*	18.8*		97*	15
5-20-20M	11439	5.5	19.4*	21.7		103	15
5-20-20M	11805	6.3	21.0	20.1		108	15
5-20-20M	11807	5.9	19.6	22.4		106	15
5-20-20M	11813	6.3	22.1	19.3*		110	15
5-20-20M	11815	6.0	21.8	20.2		109	15
5-20-20M	10353	4.8	17.8*	24.0		99	16
5-20-20M	11433	5.1	20.5	18.9*		100	16
5-20-30M	11806	4.6*	25.3	22.6*		102	15
5-20-30M	11810	4.5*	22.0	26.3*		98	15
5-20-30M	10355	5.2	20.6	29.4		101	16
5-20-30M	11101	4.7*	19.2*	31.0		98	16
5-20-30M	12236	5.2	21.9	27.6*		102	25
6-18-12M	10356	6.3	17.9	11.7		101	14
6-18-12M	12017	6.8	18.1	13.0		106	15
6-18-12M	12019	6.9	16.3*	15.8		105	16
6-24-24M	11814	5.8	23.2*	23.5		97*	16
10-10-10M	10910	10.2	10.8	10.0		104	15
10-10-10M	11812	9.9	10.3	11.1		102	15
10-10-10M	12018	10.2	10.7	9.9		103	15
10-10-10M	11434	9.6*	11.1	10.5		102	16
10-10-10M	12020	10.1	11.4	9.1*		104	16
12-12-12M	11440	11.2*	17.0	11.9		111	15
12-12-12M	10354	11.7	12.9	13.1		103	16
UNION FERTILIZER CO.		MORGANFIELD	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-15-39M	11095	0.	15.3	40.2		100	26
0-30-20M	11094	0.	32.0	21.2		105	26
VALLEY COUNTIES OF KY. COOP.		BENTON	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-49S	10678	0.	0.	49.0		100	15
0- 0-49S	10675	0.	0.	48.9		100	16
0- 0-51S	11715	0.	0.	51.1		100	16
0- 0-60M	10038	0.	0.	60.8		101	16
0- 0-60M	10674	0.	0.	61.4		102	16
0-30-30M	11885	0.	30.5	31.2		103	26
0-60- 0	10037	0.	60.4	0.		101	16
5- 0-50M	12289	5.2	0.	49.9		101	25
5-10-15S	10671	4.5*	9.8	14.5*	*	95*	16
5-10-15S	12186	5.1	10.0	14.8		100	25
5-10-15S	12371	4.8	10.2	13.8*		97*	25
5-10-15S	12183	5.2	9.8	16.1		103	26
5-20-20M	12287	5.0	19.5	21.0		100	13
5-20-20M	10039	4.8	23.3	19.0*		107	15
5-20-20M	10341	4.9	22.3	19.5*		105	23
5-20-20M	12198	5.1	20.3	20.5		102	25
5-20-20M	12185	5.4	19.9	20.9		103	26
6-24-24M	10040	5.9	23.7	24.3		99	15
6-24-24M	10676	6.0	24.8	23.5		101	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

VALLEY COUNTIES OF KY. COOP.		BENTON		KY. CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-24-24M	11592	5.3*	24.9	23.8		100	25
6-24-24M	11712	6.3	23.5	24.6		101	25
6-24-24M	11713	6.1	24.4	24.7		102	25
6-24-24M	12010	5.6*	22.3*	26.1		97*	25
6-24-24M	12187	6.1	24.0	26.0		103	25
6-24-24M	12372	6.1	24.4	24.0		101	25
6-24-24M	12382	6.0	25.7	22.6*		102	25
6-24-24M	11886	5.8	25.0	23.9		101	26
6-24-24M	12374	6.3	25.0	24.0		103	26
15-15-15M	10342	14.4*	16.7	16.0		103	23
15-15-15M	12286	14.5*	16.4	14.9		101	25
16-16-16M	10677	15.7	15.7	16.0		98	15
16-16-16M	11201	16.0	15.7	15.8		99	15
16-16-16M	11593	15.9	15.9	16.4		100	15
16-16-16M	11714	15.9	16.0	16.3		100	15
16-16-16M	12188	15.7	15.8	16.2		99	15
16-16-16M	12285	15.8	15.8	16.1		99	15
16-16-16M	12373	15.9	16.0	16.2		100	15
16-16-16M	10672	15.9	15.6*	15.8		99	16
16-16-16M	10343	16.0	15.7	16.0		99	17
18-46- 0	10036	17.6	45.9	0.		99	16
21-53- 0	10689	20.9	53.2	0.		100	15
22- 7- 7M	12184	22.9	7.3	8.1		105	25
30- 0- 0	10035	30.5	0.	0.		102	16
30- 0- 0	10673	30.3	0.	0.		101	16
V-C CHEMICAL COMPANY		CINCINNATI		OHIO			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-30M W/B	12335	0.	10.0	27.6*		95*	11
0-10-30M W/B	12139	0.	9.6*	30.8		100	12
0-10-30M W/B	12110	0.	9.3*	30.7		99	13
0-10-30M W/B	10019	0.	8.6*	32.2		99	22
0-19-19M W/B	1308	0.	19.5	19.0		102	15
0-19-19M W/B	11339	0.	18.5*	19.6		99	15
0-19-19M W/B	12259	0.	18.1*	19.8		98	15
0-19-19M W/B	12336	0.	19.1	19.8		102	15
0-19-19M W/B	12333	0.	18.0*	19.6		98	16
0-20- 0	10496	0.	19.4*	0.		97*	14
0-20- 0	12340	0.	19.3*	0.		97*	15
0-20- 0	11367	0.	19.5*	0.		97*	16
0-20-20M	12390	0.	18.3*	20.8		96*	13
0-20-20M	10494	0.	19.6	20.4		99	14
0-20-20M	1742	0.	20.0	20.8		101	15
0-20-20M	2281	0.	19.3*	21.0		99	15
0-20-20M	11024	0.	19.9	20.5		100	15
0-20-20M	11795	0.	18.1*	19.6		93*	15
0-20-20M	11850	0.	19.1*	20.5		98	15
0-20-20M	12260	0.	18.6*	21.9		99	15
0-20-20M	11369	0.	19.5*	19.2*		97*	16
0-20-20M	12334	0.	16.8*	23.5		95*	16
0-20-20M	2277	0.	18.4*	23.5		100	23
0-20-20M	10147	0.	19.6	20.8		100	25
0-20-20M	10569	0.	20.1	18.4*		98	25
3-12-12M	1739	3.0	11.7	13.1		101	15
3-12-12M	2279	3.4	12.2	13.2		106	15
3-12-12M	10567	3.1	11.5*	12.6		100	15
3-12-12M	11793	3.6	11.9	12.5		105	15
4-12- 8M	12137	4.8	12.4	10.6		113	14

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

V-C CHEMICAL COMPANY		CINCINNATI	OHIO CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12- 8M	2275	4.3	12.4	8.2		104	15
4-12- 8M	10148	4.5	11.6*	9.0		104	15
4-12- 8M	10568	4.4	11.5*	8.7		102	15
4-12- 8M	10763	4.6	11.8	8.4		104	15
4-12- 8M	11023	4.8	11.8	10.1		109	15
4-12- 8M	11898	4.4	11.9	7.8		102	15
4-12- 8M	12337	4.9	12.0	7.1*		104	15
4-12- 8M	10495	4.1	12.3	9.1		104	16
4-12- 8M	11366	5.8	11.2*	8.8		110	16
4-16- 4S	276	4.9	15.5*	5.6	*	107	11
4-16- 4S	2278	4.5	15.4*	4.9		103	11
4-16-16M	11027	5.2	14.9*	17.6		105	15
5-10-10M	10024	5.6	10.0	9.9		104	15
5-10-10M	10823	5.3	9.7	10.5		102	15
5-10-10M	11796	6.5	8.9*	11.4		108	15
5-10-10M	12338	5.1	9.6*	10.7		101	15
5-10-15S	11899	5.3	10.3	15.2	*	104	13
5-10-15S	277	5.5	9.7	15.1		102	15
5-10-15S	1248	5.7	9.6*	15.1		103	15
5-10-15S	1251	5.1	9.7*	16.3		102	15
5-10-15S	10146	5.5	10.0	15.4	*	104	15
5-10-15S	10764	5.6	9.7*	15.1		102	15
5-10-15S	10956	5.1	9.7*	14.2*		98	15
5-10-15S	11019	5.9	9.8	14.6*		104	15
5-10-15S	11341	5.6	9.7	15.5		104	15
5-10-15S	11362	5.3	10.0	15.4		103	15
5-10-15S	11900	5.3	9.8	15.0		101	15
5-10-15S	283	5.5	9.9	15.4		103	16
5-20-20M	10018	5.3	18.8*	19.5*		97*	14
5-20-20M	11311	5.8	17.6*	21.9		99	14
5-20-20M	1250	5.4	18.5*	20.2		98	15
5-20-20M	1307	5.5	18.2*	19.3*		96*	15
5-20-20M	1741	5.2	19.3*	19.7		99	15
5-20-20M	2276	5.2	19.3*	17.9*		96*	15
5-20-20M	10022	5.2	20.0	18.9*		99	15
5-20-20M	10955	5.6	18.8*	20.5		100	15
5-20-20M	11340	5.6	19.2*	18.0*		97*	15
5-20-20M	11792	5.7	18.4*	20.0		98	15
5-20-20M	11849	6.0	19.0*	20.0		101	15
5-20-20M	12258	5.4	18.1*	20.9		98	15
5-20-20M	282	5.3	19.7	18.8*		99	16
5-20-20M	1336	5.1	19.3*	19.0*		97*	16
6- 6-18S	278	6.2	7.6	18.2	*	108	15
6-12-12M	10765	6.6	12.9	12.6		108	15
6-12-18S	11310	5.9	13.3	17.5*	*	103	14
6-12-18S	275	5.7*	11.9	17.7		98	15
6-12-18S	1247	6.4	12.9	18.4		106	15
6-12-18S	2283	5.6*	12.6	17.5*		99	15
6-12-18S	11018	6.3	11.5*	18.1		100	15
6-12-18S	11343	6.8	11.7	18.0	*	103	15
6-12-18S	11851	6.6	12.1	17.9		103	15
6-12-18S	12111	6.5	11.3*	17.9		100	15
6-12-18S	12339	6.2	11.8	17.9		100	15
6-24-12M	11848	6.5	22.8*	13.0		100	15
6-24-12M	10021	6.1	22.4*	11.8		96*	16
6-24-24M	11026	5.4*	20.7*	26.4		93*	15
10-10-10M	10020	9.4*	10.8	9.4*		99	12

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

V-C CHEMICAL COMPANY — CINCINNATI OHIO CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-10-10M	12138	9.7	10.4	9.7		99	14
10-10-10M	1249	10.2	10.0	9.9		101	15
10-10-10M	1740	10.0	9.9	9.9		99	15
10-10-10M	10023	10.2	10.0	9.6*		100	15
10-10-10M	10157	10.0	10.2	9.9		100	15
10-10-10M	10566	10.3	10.2	8.7*		100	15
10-10-10M	10762	10.5	9.4*	10.7		102	15
10-10-10M	10825	10.4	9.8	10.0		101	15
10-10-10M	10957	10.5	9.6*	10.5		102	15
10-10-10M	11342	10.3	9.8	10.8		102	15
10-10-10M	11363	10.2	10.1	10.6		102	15
10-10-10M	12246	10.0	10.3	10.3		101	15
10-10-10M	280	9.7	11.0	9.8		101	16
10-10-10M	281	9.4*	10.5	9.4*		98	16
10-10-10M	11908	9.7	9.8	9.7		97*	16
12-12-12M	11312	11.8	11.5*	11.9		97*	14
12-12-12M	279	11.9	12.0	11.6*		99	15
12-12-12M	2280	11.7	11.5*	12.2		97*	15
12-12-12M	11025	11.6*	11.8	13.0		99	15
12-12-12M	11794	12.1	11.5*	12.5		100	15
12-12-12M	11368	11.8	12.7	11.8		101	16
16- 8- 8M	11309	16.6	7.5*	8.4		102	14

V-C CHEMICAL COMPANY — HOPKINSVILLE KY

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-30M W/B	2320	0.	10.1	28.2*		97*	25
0-20-20M	12329	0.	18.8*	19.9		96*	15
0-20-20M	11499	0.	18.2*	21.5		96*	26
0-20-20M W/B	11537	0.	18.4*	22.5		99	23
4-12- 8M	11672	4.6	12.6	9.7		111	15
4-12- 8M	11976	4.3	11.9	9.0		104	15
4-12- 8M	11993	4.7	11.8	8.4		105	15
4-12- 8M	1756	3.9	12.1	9.4		103	16
4-12- 8M	11980	4.0	11.8	8.9		101	16
4-16- 4S	1769	4.0	17.1	5.8	*	108	13
4-16- 4S	2198	4.4	15.9	7.9	*	110	15
5-10-15S	11536	4.9	10.4	15.1	*	101	13
5-10-15S	11540	5.0	10.3	15.4	*	102	13
5-10-15S	11538	4.9	10.2	15.8		102	14
5-10-15S	11591	4.6*	9.9	16.3	*	100	15
5-10-15S	11890	5.0	9.9	14.3*	*	98	15
5-10-15S	11977	5.2	9.9	15.4		102	15
5-10-15S	11990	5.0	10.7	15.4	*	103	15
5-10-15S	11995	6.1	10.4	14.1*	*	107	15
5-10-15S	1754	4.9	10.4	14.9	*	101	16
5-20-20M	11535	5.7	17.6*	19.8		96*	14
5-20-20M	11543	6.2	16.4*	17.9*		92*	14
5-20-20M	2197	4.7*	20.1	19.3*		98	15
5-20-20M	2199	5.3	20.6	18.7*		101	15
5-20-20M	11746	4.9	17.9*	19.9		94*	15
5-20-20M	11991	5.7	15.9*	21.3		94*	15
5-20-20M	12007	5.2	18.9*	20.7		99	15
5-20-20M	11501	5.7	15.8*	15.2*		85*	25
5-20-20M W/B	11750	4.8	17.4*	21.6		94*	13
6-12-12M	11745	5.9	11.6*	13.1		100	13
6-12-12M	2319	5.8	12.3	12.9		102	15
6-12-12M	11590	6.1	11.9	12.3		101	15
6-12-12M	12388	5.8	11.9	12.2		99	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

V-C CHEMICAL COMPANY — HOPKINSVILLE KY CONT.

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-12-18S	11541	6.1	12.3	18.1	*	102	13
6-12-18S	11744	5.9	11.9	19.7	*	102	13
6-12-18S	11751	5.9	12.1	18.4	*	100	13
6-12-18S	11539	6.0	12.6	18.1	*	102	14
6-12-18S	2316	5.7*	12.1	17.9	*	99	16
6-12-18S	11500	6.1	12.2	17.8	*	101	16
6-18-12M	11673	6.0	16.6*	13.1		97*	15
6-18-12M	2317	5.7*	16.5*	12.6		95*	16
10-10-10M	587	10.2	9.9	10.6		102	15
10-10-10M	588	10.2	9.9	10.5		101	15
10-10-10M	2282	9.1*	11.0	10.0		99	15
10-10-10M	11674	9.6*	10.1	10.8		100	15
10-10-10M	11975	9.3*	10.7	10.4		100	15
10-10-10M	11994	9.0*	10.7	10.8		99	15
10-10-10M	11996	8.7*	10.7	11.0		97*	15
10-10-10M	12008	9.2*	10.2	10.9		98	15
10-10-10M	1755	9.9	10.2	10.8		101	16
10-10-10M	2315	9.2*	10.1	11.9		100	16
10-10-10M	11978	9.3*	10.3	11.1		99	16
10-10-10M	11979	9.3*	10.4	9.9		98	16
10-10-10M	11544	8.6*	10.7	11.3		97*	24
10-10-10M	11545	9.2*	10.1	11.3		98	24
15-15-15M	11542	12.7*	14.0*	16.5		92*	15
15-15-15M	11992	13.0*	12.9*	15.9		90*	15
15-15-15M	12330	14.1*	16.0	14.0*		98	15

V-C CHEMICAL COMPANY — MT. PLEASANT TENN

GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-30M	10372	0.	10.5	27.5*		97*	16
0-10-30M W/B	12128	0.	9.8	30.5		100	13
0-10-30M	10692	0.	11.3	25.1*		95*	23
0-20- 0	10699	0.	19.1*	0.		96*	25
0-20-20M	10255	0.	19.6	16.1*		92*	15
0-20-20M	11113	0.	19.7	18.1*		96*	23
0-20-20M	11114	0.	18.8*	17.8*		92*	23
0-20-20M	10635	0.	17.8*	24.8		101	25
0-20-20M W/B	10694	0.	18.6*	18.9*		93*	23
3-12-12M	267	3.4	12.1	12.9		105	15
4-10-30M	11414	4.2	10.6	27.2*		98	16
4-12- 8M	268	4.0	12.3	9.2		104	15
4-12- 8M	10698	4.1	11.8	8.7		101	15
4-12- 8M	11482	4.4	11.6*	9.1		103	16
5-10-10M	10697	5.7	10.7	10.8		110	13
5-10-15S	608	4.4*	10.2	15.4		98	15
5-10-15S	10695	4.7*	9.7	15.8		99	15
5-10-15S	10918	5.0	9.6*	15.1		98	15
5-10-15S	11199	4.8	9.6*	15.6		98	15
5-10-15S	12210	4.6*	9.7	15.6		98	15
5-20-20M	605	4.9	19.1*	20.1		97*	15
5-20-20M	606	5.0	19.0*	19.8		97*	15
5-20-20M	607	5.0	20.4	19.4*		100	15
5-20-20M	10086	5.2	19.5*	20.6		100	15
5-20-20M	10090	5.3	19.0*	20.5		99	15
5-20-20M	10092	5.1	19.4*	20.1		99	15
5-20-20M	10254	4.9	19.1*	22.1		100	15
5-20-20M	10633	5.0	18.4*	21.1		97*	15
5-20-20M	10919	5.2	19.7	20.2		100	15
5-20-20M	11676	5.3	19.5*	20.7		101	15

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

V-C CHEMICAL COMPANY		MT. PLEASANT TENN CONT.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-20-20M	11415	4.9	19.9	19.6		99	16
5-20-20M W/B	10691	4.9	18.5*	20.2		96*	15
5-20-20M W/B	11483	5.3	18.6*	20.9		99	16
6-12-12M	10632	5.8	12.3	12.0		100	15
6-12-12M	11171	6.3	11.2*	13.1		101	15
6-12-12M	10373	6.1	11.3*	12.4		99	16
6-12-18S	10085	5.6*	11.8	17.4*	*	96*	13
6-12-18S	1301	5.9	12.0	18.7		101	15
6-12-18S	10088	5.9	11.8	19.1	*	101	15
6-12-18S	10386	5.8	12.0	17.9	*	99	15
6-12-18S	10623	5.5*	12.0	18.7	*	98	15
6-12-18S	10634	6.2	11.4*	18.1	*	99	15
6-12-18S	10693	5.8	11.9	18.5	*	99	15
6-12-18S	11416	6.2	11.5*.	18.2	*	100	16
6-12-18S	11484	6.1	11.8	18.7	*	101	16
6-18-12M	12295	5.8	16.7*	12.5		96*	13
6-24-24M	10089	6.3	20.8*	23.8		94*	15
6-24-24M	10094	5.8	23.0*	24.1		97*	15
6-24-24M	10095	5.7*	20.4*	22.5*		89*	15
6-24-24M	11422	5.8	21.3*	22.6*		92*	15
10-10-10M	12127	8.9*	10.3	11.9		99	13
10-10-10M	1279	9.7	10.4	10.0		100	14
10-10-10M	11172	9.0*	10.3	10.7		97*	15
10-10-10M	11200	9.1*	9.3*	14.4		100	15
10-10-10M	12211	9.5*	9.5*	11.1		98	15
12-12-12M	10087	10.8*	12.0	12.9		96*	15
15-15-15M	10093	14.2*	15.6	15.2		99	15
V-C CHEMICAL COMPANY		RICHMOND VA.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0-10-30M W/B	10434	0.	9.8	29.5		98	13
0-10-30M W/B	10437	0.	9.6*	27.8*		94*	13
0-20-20M	10060	0.	19.5*	20.2		98	15
5-10-10M	10433	5.7	9.5*	10.9		104	15
5-10-10M	10439	5.7	9.5*	10.7		104	15
5-10-15S	1726	5.4	9.9	15.2		102	15
5-10-15S	1727	5.6	9.4*	14.8		101	15
5-10-15S	10012	5.4	9.7	15.2		102	15
5-10-15S	10058	5.6	9.9	14.7		102	15
5-10-15S	10059	5.6	9.7	15.0		103	15
5-10-15S	10435	5.7	10.1	14.5*		103	15
5-10-15S	10438	5.7	9.9	14.4*		102	15
5-20-20M	10062	5.3	18.9*	19.9		98	15
6-12-18S	10057	7.0	11.5*	17.8	*	103	15
6-12-18S	10846	5.8	12.6	16.3*	*	98	15
6-18-12M	10847	5.5*	16.6*	14.9		98	15
10-10-10M	1692	9.8	10.3	10.1		100	13
10-10-10M	10061	9.9	10.5	8.7*		99	15
10-10-10M	10436	10.7	9.5*	9.6*		101	15
10-10-10M	10848	9.2*	10.3	11.1		99	15
12-12-12M	10063	11.4*	12.1	11.0*		97*	15
WATHENS FARM SERVICE		MADISONVILLE KY.					
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
0- 0-60M	12001	0.	0.	60.7		101	16
0- 0-60M	12003	0.	0.	60.9		101	16
0-20-20M	12006	0.	21.5	19.0*		103	26
0-40- 0	12002	0.	42.5	0.		106	16
5-20-20M	12005	4.8	18.9*	21.0		97*	26

TABLE 1.— Analyses of Inspection Samples of Dry Fertilizers, January-June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

WATHENS FARM SERVICE			MADISONVILLE KY. CONT.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-24-24M	11997	8.4	27.7	20.3*		112	26
6-24-24M	11999	5.8	23.5*	25.5		100	26
10-10-10M	11998	9.5*	9.3*	10.4		96*	26

TABLE 2.— Analyses of Inspection Samples of Liquid Fertilizers, January - June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

ALLIED CHEM. CORP., NIT. DIV.		MEMPHIS		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
28- 0- 0	12227	23.0*	0.	0.		82*	19
32- 0- 0	12242	31.9	0.	0.		100	19
AMERICAN AGRI. CHEM. CO.		CINCINNATI		OHIO			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
30- 0- 0	11586	29.3*	0.	0.		98	19
ARMOUR AGRI. CHEMICAL CO.		ATLANTA		GA.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
10-20-10S	12046	10.0	20.1	10.4		101	19
ARMOUR AGRI. CHEMICAL CO.		CHEROKEE		ALA.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12394	82.0	0.	0.		100	19
82- 0- 0	12397	82.0	0.	0.		100	19
82- 0- 0	12414	82.0	0.	0.		100	19
82- 0- 0	12418	82.0	0.	0.		100	19
82- 0- 0	12425	82.0	0.	0.		100	19
82- 0- 0	12429	82.0	0.	0.		100	19
82- 0- 0	12430	82.0	0.	0.		100	19
82- 0- 0	12438	82.0	0.	0.		100	19
82- 0- 0	12448	82.0	0.	0.		100	19
82- 0- 0	12459	82.0	0.	0.		100	19
82- 0- 0	12461	82.0	0.	0.		100	19
82- 0- 0	12467	82.0	0.	0.		100	19
82- 0- 0	12472	82.0	0.	0.		100	19
82- 0- 0	12474	82.0	0.	0.		100	19
BARTLETT + O BRYAN FERT. CO.		OWENSBORO		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12-12M	11685	4.3	11.1*	12.1		98	19
4-12-12M	11689	4.6	11.5*	12.1		102	19
4-12-12M	11691	4.4	10.6*	11.5*		95*	19
FARMERS CHEMICAL ASSN., INC.		TYNER		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
28- 0- 0	11173	29.8	0.	0.		106	19
30- 0- 0	10658	30.0	0.	0.		100	19
30- 0- 0	11261	30.6	0.	0.		102	19
30- 0- 0	11262	30.3	0.	0.		101	19
30- 0- 0	11385	30.7	0.	0.		102	19
30- 0- 0	12014	30.4	0.	0.		101	19
30- 0- 0	12200	29.7	0.	0.		99	19
FEDERAL CHEMICAL COMPANY		LOUISVILLE		KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12432	82.0	0.	0.		100	19
82- 0- 0	12466	82.0	0.	0.		100	19
82- 0- 0	12470	82.0	0.	0.		100	19
82- 0- 0	12475	82.0	0.	0.		100	19
W. R. GRACE + CO.		NEW ALBANY		IND.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
28- 0- 0	11451	28.0	0.	0.		100	19
30- 0- 0	12223	31.5	0.	0.		105	19
W. R. GRACE + COMPANY		MEMPHIS		TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12402	82.0	0.	0.		100	19
82- 0- 0	12406	82.0	0.	0.		100	19
82- 0- 0	12409	82.0	0.	0.		100	19
82- 0- 0	12411	82.0	0.	0.		100	19

TABLE 2.— Analyses of Inspection Samples of Liquid Fertilizers, January - June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

W. R. GRACE + COMPANY		MEMPHIS	TENN CONT.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12413	82.0	0.	0.		100	19
82- 0- 0	12422	82.0	0.	0.		100	19
82- 0- 0	12424	82.0	0.	0.		100	19
82- 0- 0	12435	82.0	0.	0.		100	19
82- 0- 0	12445	82.0	0.	0.		100	19
82- 0- 0	12450	82.0	0.	0.		100	19
82- 0- 0	12453	82.0	0.	0.		100	19
82- 0- 0	12454	82.0	0.	0.		100	19
82- 0- 0	12455	82.0	0.	0.		100	19
82- 0- 0	12458	82.0	0.	0.		100	19
82- 0- 0	12465	82.0	0.	0.		100	19
82- 0- 0	12468	82.0	0.	0.		100	19
82- 0- 0	12477	82.0	0.	0.		100	19
HUTSON CHEMICAL COMPANY		MURRAY	KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
8- 8- 8M	11766	7.9	8.4	8.3		102	19
11-37- 0	11625	10.9	37.0	0.		100	19
30- 0- 0	11626	30.4	0.	0.		101	19
INTERNATIONAL MIN + CHEM CORP		CLARKSVILLE	TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
28- 0- 0	11112	28.5	0.	0.		102	19
INTERNATIONAL MIN + CHEM CORP		SKOKIE	ILL.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12427	82.0	0.	0.		100	19
LAND-O-NAN WAREHOUSE		MORGANFIELD	KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10-10M	11089	5.3	10.3	10.9		105	19
6-18- 6M	10371	6.9	15.6*	6.0		97*	19
6-18- 6M	11090	6.1	17.7	6.5		100	19
11-37- 0	11091	11.1	37.1	0.		100	19
LAND-O-NAN WAREHOUSE		STURGIS	KY.			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
6-18- 6M	11039	7.4	15.7*	6.3		100	19
MIDSOUTH CHEM. CO., INC.		MEMPHIS	TENN			
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12396	82.0	0.	0.		100	19
82- 0- 0	12400	82.0	0.	0.		100	19
82- 0- 0	12403	82.0	0.	0.		100	19
82- 0- 0	12405	82.0	0.	0.		100	19
82- 0- 0	12410	82.0	0.	0.		100	19
82- 0- 0	12415	82.0	0.	0.		100	19
82- 0- 0	12419	82.0	0.	0.		100	19
82- 0- 0	12420	82.0	0.	0.		100	19
82- 0- 0	12421	82.0	0.	0.		100	19
82- 0- 0	12426	82.0	0.	0.		100	19
82- 0- 0	12428	82.0	0.	0.		100	19
82- 0- 0	12431	82.0	0.	0.		100	19
82- 0- 0	12433	82.0	0.	0.		100	19
82- 0- 0	12434	82.0	0.	0.		100	19
82- 0- 0	12436	82.0	0.	0.		100	19
82- 0- 0	12440	82.0	0.	0.		100	19
82- 0- 0	12443	82.0	0.	0.		100	19
82- 0- 0	12446	82.0	0.	0.		100	19
82- 0- 0	12449	82.0	0.	0.		100	19
82- 0- 0	12457	82.0	0.	0.		100	19
82- 0- 0	12462	82.0	0.	0.		100	19
82- 0- 0	12463	82.0	0.	0.		100	19

TABLE 2.— Analyses of Inspection Samples of Liquid Fertilizers, January - June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

MIDSOUTH CHEM. CO., INC.		MEMPHIS	TENN	CONT.		
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12464	82.0	0.	0.		100	19
82- 0- 0	12469	82.0	0.	0.		100	19
82- 0- 0	12471	82.0	0.	0.		100	19
82- 0- 0	12473	82.0	0.	0.		100	19
82- 0- 0	12476	82.0	0.	0.		100	19
82- 0- 0	12478	82.0	0.	0.		100	19
82- 0- 0	12480	82.0	0.	0.		100	19
MONSANTO COMPANY		ST. LOUIS	MO.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12398	82.0	0.	0.		100	19
82- 0- 0	12401	82.0	0.	0.		100	19
82- 0- 0	12441	82.0	0.	0.		100	19
82- 0- 0	12444	82.0	0.	0.		100	19
82- 0- 0	12479	82.0	0.	0.		100	19
OLIN MATHIESON CHEM. CORP.		LAKE CHARLES	LA.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12416	82.0	0.	0.		100	19
PHILLIPS PETROLEUM CO.		BARTLESVILLE	OKLA				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
82- 0- 0	12395	82.0	0.	0.		100	19
82- 0- 0	12407	82.0	0.	0.		100	19
82- 0- 0	12412	82.0	0.	0.		100	19
82- 0- 0	12417	82.0	0.	0.		100	19
82- 0- 0	12423	82.0	0.	0.		100	19
82- 0- 0	12437	82.0	0.	0.		100	19
82- 0- 0	12451	82.0	0.	0.		100	19
82- 0- 0	12456	82.0	0.	0.		100	19
82- 0- 0	12460	82.0	0.	0.		100	19
F. S. ROYSTER GUANO CO.		MARSEILLES	ILL.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
30- 0- 0	11268	29.8	0.	0.		99	19
SOUTHERN NITROGEN COMPANY		DECATUR	ILL.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
30- 0- 0	12238	30.6	0.	0.		102	19
30- 0- 0	12239	30.0	0.	0.		100	19
SOUTHERN STATES CLARK COOP.		WINCHESTER	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-10- 5M	12065	4.9	12.3	5.3		111	19
SPENCER CHEMICAL COMPANY		HENDERSON	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
30- 0- 0	10352	30.2	0.	0.		101	19
30- 0- 0	12237	29.7	0.	0.		99	19
30- 0- 0	12243	30.1	0.	0.		100	19
37- 0- 0	12231	37.3	0.	0.		101	19
82- 0- 0	12393	82.0	0.	0.		100	19
82- 0- 0	12399	82.0	0.	0.		100	19
82- 0- 0	12404	82.0	0.	0.		100	19
82- 0- 0	12408	82.0	0.	0.		100	19
82- 0- 0	12439	82.0	0.	0.		100	19
82- 0- 0	12442	82.0	0.	0.		100	19
82- 0- 0	12447	82.0	0.	0.		100	19
82- 0- 0	12452	82.0	0.	0.		100	19
TOBACCO STATES CHEMICAL CO.		LEXINGTON	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
7-14- 7KOH	12146	7.4	14.9	7.2		106	19
10-20-10KOH	12147	9.9	20.5	9.9		101	19

TABLE 2.— Analyses of Inspection Samples of Liquid Fertilizers, January - June, 1965

Analyses deficient more than tolerance and relative values of 97 percent or less indicated by asterisk.

V-C CHEMICAL COMPANY		CINCINNATI	OHIO				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
28- 0- 0	12140	27.7	0.	0.		139	19
WEST KY. LIQUID FERT. CO.		BOWLING GREEN	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-15-10M	11582	5.1	15.5	9.8		102	10
9-27- 0	11581	9.0	27.3	0.		101	10
9-27- 0	11583	8.9	27.4	0.		101	10
18-12- 0	11584	17.8	13.2	0.		102	10
WEST KY. LIQUID FERT. CO.		GUTHRIE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
5-15-10M	11070	5.1	15.9	9.4*		103	10
5-15-10M	11071	5.0	15.3	8.9*		99	10
5-15-10M	11571	4.9	15.3	9.8		100	10
5-15-10M	12132	5.1	15.5	9.6*		102	10
6-20-10M	11069	6.9	21.9	9.5*		109	10
WEST KY. LIQUID FERT. CO.		RICH POND	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12-24M	12131	4.3	12.9	33.0		119	10
6-12-18S	12129	6.2	12.8	17.5*	*	103	10
30- 0- 0	12130	30.1	0.	0.		100	19
WEST KY. LIQUID FERT. CO.		HOPKINSVILLE	KY.				
GRADE	NUM	N	APA	POT	XS CL	RV	PHYS
4-12-12M	11557	4.2	12.1	11.9		101	10
4-12-24M	11077	4.8	13.1	23.7		107	10
4-12-24M	11080	4.2	12.9	24.9		106	10
4-12-24M	11550	3.8	11.1*	25.8		99	10
4-12-24M	11551	3.9	11.5*	25.4		100	10
4-16-16M W/B	11082	5.4	16.9	19.9		117	10
5-15- 5M	11556	4.9	15.5	5.2		102	10
5-15-10M	11559	5.0	15.0	10.1		100	10
5-15-10M	11565	5.1	15.6	9.8		103	10
5-15-10M	11567	5.3	15.4	10.0		103	10
5-15-15M	11081	5.2	16.5	16.1		108	10
5-15-15M	11546	5.3	17.0	12.0*		103	10
5-15-15M	11547	5.0	15.5	14.8		101	10
5-15-15M	11549	5.1	14.8	19.5		108	10
5-15-15M	11555	5.6	16.1	21.0		117	10
5-15-15M	11558	4.7*	14.0*	14.9		95*	10
5-15-15M	11562	4.7*	13.7*	21.5		105	10
6-12-12M	11552	6.2	13.2	11.2*		104	10
6-12-18S	11076	5.6*	11.5*	25.0	*	108	10
6-12-18S	11554	4.8*	11.8	19.6		96*	10
6-12-18S	11566	5.2*	12.4	19.6		100	10
6-12-18S	11585	6.3	13.0	15.9*		101	10
6-20-10M	11548	6.5	20.6	9.6*		103	10
6-20-10M	11553	6.9	20.6	9.2*		105	10
7-14-14M	11079	7.0	14.7	14.4		103	10
9-10-15S	11568	7.8*	10.6	15.3		97*	10
10-20-10KOH	11083	11.0	21.5	10.2		108	19
15-10-10M	11078	15.1	10.2	10.8		102	10
15-10-10M	11560	14.9	10.3	11.3		102	10
15-10-10M	11561	15.1	10.4	9.8		101	10
15-10-10M	11564	13.9*	10.4	11.7		99	10
16-12- 6M	11563	15.7	12.4	6.1		100	10

TABLE 3 - Analyses of Inspection Samples of Rock Phosphate, Soft Phosphate with Colloidal Clay and Basic Slag

Sample Number	Manufacturer, Brand Name	Phosphoric Acid Available Guar.	Phosphoric Acid Available Found	Phosphoric Acid Total Guar.	Phosphoric Acid Total Found	Percent of Relative Value Found
	American Agri. Chem.Co.					
2284	Rock Phosphate	3.0	5.0	31.0	31.0	100
11630	Rock Phosphate	3.0	4.3	31.0	31.2	101
12320	Rock Phosphate	3.0	4.4	31.0	31.9	103
	Robin Jones Phosphate Co.					
12316	Rock Phosphate	3.0	3.0	30.0	30.0	100
	Ruhm Phosphate & Chem. Co.					
10091	Rock Phosphate	3.0	3.5	30.0	29.0*	97*
	Schrock - Tuloma Gas Products Co.					
11427	Rock Phosphate	---	---	33.0	33.0	100
	Thompson Sales Company					
1262	Calphos	2.0	2.9	18.0	19.6	109
10260	Calphos	2.0	2.5	18.0	20.8	116
10540	Calphos	2.0	4.8	18.0	19.8	110
10615	Calphos	2.0	3.4	18.0	19.4	108
10670	Calphos	2.0	3.1	18.0	20.0	111
10696	Calphos	2.0	3.1	18.0	19.9	111
10867	Calphos	2.0	2.9	18.0	21.6	120
11303	Calphos	2.0	2.7	18.0	21.7	120
	U.S. Steel Corporation					
11747	Basic Slag	---	---	6.5	5.3*	88*

TABLE 4 - Analyses of Inspection Samples of Organic Material

Sample Number	Manufacturer, Brand	Nitrogen	Total Phosphoric Acid	Potash	Percent of Relative Value Found
	American Agri. Chem. Co.				
10196	7-0-0 Agrinite	7.7	---	---	110
10226	7-0-0 Agrinite	7.5	---	---	107
11046	7-0-0 Agrinite	8.6	---	---	123
	Armour Agri. Chem. Co.				
12161	2.3-23-0 Steamed Bone Meal	3.2	25.8	---	121
	Burley Belt Fert. Co.				
1778	9-0-0 Burl-Organic	9.9	---	---	110
	F.S. Royster, Price Chem. Div.				
10180	10-0-0 Nitrolene	9.9	---	---	99
10616	10-0-0 Nitrolene	9.8	---	---	98
	Sewerage Commission, City of Milwaukee				
12205	6-3-0 Milorganite	5.7*	3.0	---	95*

TABLE 5. - Results of Analyses of Boron in Fertilizers Reported in Tables 1 and 2. Analyses Deficient Are Underlined.

COMPANY AND PLANT	Sample Number	Guarantee	Found
American Agricultural Chemical Company Cincinnati, Ohio	11013	0.50	0.30
	11015	0.50	0.19
American Agricultural Chemical Company Greensboro, North Carolina	10599	0.28	0.19
	10600	0.28	0.23
American Agricultural Chemical Company London, Kentucky	10928	0.34	0.35
	11386	0.57	0.50
American Agricultural Chemical Company Nashville, Tennessee	10901	0.57	0.63
Armour Agricultural Chemical Company Jeffersonville, Indiana	10261	0.57	0.58
	10865	0.57	0.40
	11283	0.57	0.45
	11846	0.57	0.72
	12268	0.57	0.48
Armour Agricultural Chemical Company Nashville, Tennessee	618	0.34	0.40
	10045	0.34	0.40
	10300	0.34	0.47
	10508	0.57	0.77
	10547	0.57	0.44
	10655	0.57	0.44
	11092	0.34	0.44
Bale Fertilizer Company Horse Cave, Kentucky	1305	0.60	0.93
	1306	0.50	0.67
Bluegrass Plant Foods, Inc. Cynthiana, Kentucky	11868	0.57	0.43
Bluegrass Plant Foods, Inc. Danville, Kentucky	1228	0.57	0.52
	10271	0.57	0.38
	11242	0.23	0.33
Burley Belt Fertilizer Company Lexington, Kentucky	12109	0.57	0.60
Christian County Supply Company Hopkinsville, Kentucky	12074	0.56	0.61
	12075	0.56	0.44
Commonwealth Fertilizer Company Russellville, Kentucky	11109	0.45	0.32
Cooperative Fertilizer Service Louisville, Kentucky	223	0.45	0.54
	2165	0.45	0.45
	10141	0.45	0.41
	10278	0.45	0.34
	10350	0.45	0.52
	11268	0.45	0.46

(Continued)

TABLE 5 (Cont'd.) - Results of Analyses of Boron in Fertilizers Reported in Tables 1 and 2. Analyses Deficient Are Underlined.

COMPANY AND PLANT	Sample Number	Guarantee	Found
Cooperative Fertilizer Service Cont.	11384	0.45	0.46
Louisville, Kentucky	11837	0.34	0.38
	12101	0.45	0.49
	12262	0.45	0.49
	12277	0.45	0.41
Cooperative Fertilizer Service	10119	0.45	0.49
Russellville, Kentucky	10542	0.45	0.46
	10554	0.45	0.56
	10811	0.45	0.46
	12279	0.45	0.48
Cooperative Fertilizer Service	1234	0.45	0.40
Winchester, Kentucky	11896	0.45	0.41
	11973	0.45	0.44
Darling and Company	12376	0.13	0.32
Cairo, Illinois			
Darling and Company	12297	0.56	0.80
Cedar Rapids, Iowa			
Federal Chemical Company	10591	0.57	0.69
Louisville, Kentucky	11142	0.57	0.66
	12051	0.57	0.44
	12261	0.57	0.44
Federal Chemical Company	2185	0.46	0.53
Nashville, Tennessee	10985	0.45	0.29
Glasgow Fertilizer Company	2177	0.57	0.35
Glasgow, Kentucky	2224	0.57	0.62
W. R. Grace & Company	1260	0.57	0.26
Davison Chemical Division			
Nashville, Tennessee			
W. R. Grace & Company	1242	0.50	0.29
Davison Chemical Division	10166	0.50	0.79
New Albany, Indiana	10571	0.50	0.48
	11446	0.50	0.20
	12179	0.50	0.46
Gro-Green Chemical Company	10422	0.57	0.44
Shelbyville, Kentucky	11084	0.57	0.38
	11361	0.57	0.66
Gro-Green Chemical Company	1311	0.20	0.77
Lebanon, Kentucky			
Hutson Chemical Company	11300	0.34	0.48
Murray, Kentucky			

(Continued)

TABLE 5 (Cont'd.) - Results of Analyses of Boron in Fertilizers Reported in Tables 1 and 2. Analyses Deficient Are Underlined.

COMPANY AND PLANT	Sample Number	Guarantee	Found
International Mineral & Chemical Corp. Cincinnati, Ohio	10143	0.57	0.65
	11930	0.57	0.65
	12251	0.57	0.50
International Mineral & Chemical Corp. Clarksville, Tennessee	11065	0.57	0.23
International Mineral & Chemical Corp. Somerset, Kentucky	10109	0.57	0.32
Kentucky Fertilizer Works Winchester, Kentucky	12062	0.57	0.53
Ohio Valley Fertilizer, Inc. Maysville, Kentucky	11123	0.99	0.39
	11125	0.99	1.03
F. S. Royster Guano Company Norfolk, Virginia	1792	0.57	0.62
	10027	0.57	0.68
F. S. Royster Guano Company Price Chemical Division Louisville, Kentucky	10667	0.60	0.99
	10712	0.57	0.56
	10879	0.57	0.59
	11356	0.57	0.51
	11880	0.57	0.39
Tennessee Corporation New Albany, Indiana	10117	0.68	1.95
V-C Chemical Company Cincinnati, Ohio	1308	0.57	0.57
	10019	0.57	0.38
	11339	0.57	0.40
	12110	0.57	0.34
	12139	0.57	0.42
	12259	0.57	0.51
	12333	0.57	0.47
	12335	0.57	0.48
	12336	0.57	0.74
V-C Chemical Company Hopkinsville, Kentucky	2320	0.45	0.45
	11537	0.45	0.34
	11750	0.34	0.42
V-C Chemical Company Mt. Pleasant, Tennessee	10691	0.57	0.32
	10694	0.57	0.50
	11483	0.34	0.19
	12128	0.47	0.37
V-C Chemical Company Richmond, Virginia	10434	0.57	0.03
	10437	0.57	0.72
West Kentucky Liquid Fertilizer Company Hopkinsville, Kentucky	11082	0.47	0.11

3.5M—9-6