

# ANALYSES OF OFFICIAL FERTILIZER SAMPLES

by the

**FEED AND FERTILIZER DEPARTMENT**

**KENTUCKY AGRICULTURAL EXPERIMENT STATION**

**Semi-Annual Report**

**Spring Season**

**January-June, 1955**



**UNIVERSITY OF KENTUCKY, LEXINGTON**

FEED AND FERTILIZER DEPARTMENT  
KENTUCKY AGRICULTURAL EXPERIMENT STATION

Bruce Poundstone, Head of Department

FIELD INSPECTION

Robert Mathews  
Neville Hulette

Otis R. Wheeler  
Robert B. Simon

Noel J. Howard  
Josiah E. Anderson

LABORATORY

Harry R. Allen  
Valva Midkiff  
Louise Jett

J. A. Shrader  
Joan Ryan  
Charles Broaddus

Lelah Gault  
Thelma S. Anderson  
Robert N. Price

---

CONTENTS

	Page
Explanation of Tables . . . . .	3
Companies Represented by Samples Reported in This Bulletin . . . . .	4
Table 1, - Analyses of Inspection Samples of Mixed Fertilizer, Super-phosphate and Fertilizer Salts, January-June 1955 . . . . .	6
Table 2, - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tricalcium Phosphate, January-June 1955 . . . . .	53
Table 3, - Analyses of Inspection Samples of Bone, Dried Manures etc., January-June 1955 . . . . .	54



## Commercial Fertilizer in Kentucky, Spring Season 1955

This bulletin contains analyses of official samples of commercial fertilizers offered for sale in Kentucky between January 1, 1955 and June 30, 1955.

As in the last two bulletins, Tables 1, 2 and 3 of this bulletin are somewhat more condensed. The names of the manufacturers are abbreviated. Also the name of the dealer is indicated but the town has been omitted. It is hoped, however, that sufficient information is given to indicate clearly the company, the fertilizer plant, and the dealer responsible for every sample. The full names and addresses of all companies represented by samples in this report are given on Page 4 and 5. Anyone desiring the full address of a dealer from whose warehouse a sample was taken may secure this information by writing to the Department of Feed and Fertilizer.

### EXPLANATION OF TABLES

The information given should be useful to farmers, agricultural workers, and company representatives to determine how closely a given manufacturer is meeting the chemical guarantee printed on the bag for all or specific fertilizers. This may be done by comparing the guarantee shown at the beginning of each listing of sample with the actual analysis in the columns at the right in terms of nitrogen, available phosphoric acid, and potash.

An additional means of comparing guarantees with the analysis of samples is in the percent of relative value found, shown in the extreme right-hand column. 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 phosphoric acid, and 15 units of potash. Factors for computing the relative values of these plant foods are: 1 for potash, 2 for available phosphoric acid and 3 for nitrogen. 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				<u>50.0</u>

The same procedure is followed for "found values". Assuming a sample of 5-10-15 was found to contain 5.1 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				<u>50.8</u>

50.8 (computed 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.

## COMPANIES REPRESENTED BY SAMPLES REPORTED IN THIS BULLETIN

- Allied Chemical & Dye Corporation  
Nitrogen Division  
40 Rector St., New York, N. Y.
- American Agricultural Chemical Co.  
50 Church St., New York, N. Y.
- American Cyanamid Co.  
30 Rockefeller Plaza, New York 20, N. Y.
- American Liquid Fertilizer Co.  
2nd St. & St. Clair, Marietta, Ohio
- Armour Fertilizer Works  
350 Hart Bldg., Atlanta, Georgia  
Bartow, Florida  
St. Bernard Sta., Cincinnati 17, Ohio  
14th & Watt St., Jeffersonville, Ind.  
Box 1088, Nashville, Tennessee
- Associated Cooperatives Inc.  
312 Montgomery Ave., Sheffield, Ala.
- Bartlett & O'Bryan Fertilizer Co.  
108 River Road, Owensboro, Ky.
- Bluegrass Plant Foods Inc.  
Cynthiana, Kentucky  
Danville, Kentucky
- The Buhner Fertilizer Co., Inc.  
Seymour, Indiana
- Bunton Seed Co.  
300-312 E. Jefferson Street  
Louisville, Kentucky
- Burley Belt Plant Food Works  
Route #4, Lexington, Kentucky
- Chilean Nitrate Sales Corporation  
120 Broadway, New York 5, N. Y.
- Commercial Solvents Corporation  
260 Madison Ave., New York 16, N. Y.
- Commonwealth Fertilizer Co., Inc.  
Morgantown Rd., Russellville, Ky.
- Consolidated Chemical Co.  
Miller's Lane, Louisville, Ky.  
(See Price Chemical Co.)
- Cooperative Fertilizer Service  
S. S. Bldg., Richmond, Virginia
- Darling & Co.  
4201 S. Ashland Ave., Chicago 9, Ill.
- Davison Chemical Corporation  
Box 1009, 54th Avenue, North  
Nashville, Tennessee  
Box 350, W. 10th St.  
New Albany, Indiana
- Elizabethtown Fertilizer Co.  
716 East Dixie Avenue  
Elizabethtown, Kentucky
- J. H. Erbrich Products Co.  
East 32nd & Monon R. R.  
Indianapolis 7, Indiana
- The E'Town Anhydrous Ammonia Co.  
First Hardin National Bank Bldg.  
Elizabethtown, Kentucky
- Federal Chemical Co.  
Columbus, Ohio  
Henderson, Kentucky  
Humbolt, Tennessee  
Starks Bldg., Louisville, Ky.  
Nashville 9, Tennessee
- Hutson Chemical Co.  
Murray, Kentucky
- International Minerals & Chemical Corp.  
Carlsbad, New Mexico  
Box 224, Greenville, Tennessee  
20 N. Wacker Dr., Chicago, Ill.  
Lockland Sta., Cincinnati 15, O.  
Box 69, Clarksville, Tennessee  
Somerset, Kentucky
- Kentucky Fertilizer Works  
222 Cook Ave., Winchester, Ky.
- Knoxville Fertilizer Co.  
Box 274, London, Kentucky  
Knoxville, Tennessee  
Box 118, Nashville, Tennessee
- Land O Nan Warehouse  
Sturgis, Kentucky

Continued on next page



Continued from previous page

- Lion Oil Co.  
Lion Oil Bldg., El Dorado, Ark.
- Louisville Fertilizer Co.  
Box 1088, Nashville, Tennessee  
(See Armour Fertilizer Works)
- Mathieson Chemical Corporation  
Houston, Texas
- Morgantown, West Virginia
- Midsouth Chemical Company, Inc.  
1235 Riverside Drive  
Memphis, Tennessee
- Mississippi Chemical Corporation  
Yazoo City, Mississippi
- Missouri Plant Food Co., Inc.  
Sikeston, Missouri
- National Chemical Co.  
Preston St. at Bergman  
Louisville, Kentucky  
(See North American Fertilizer Co.)
- Nitrogen Fertilizer Service  
Owensboro, Kentucky
- North American Fertilizer Co.  
Preston St. at Bergman  
Louisville, Kentucky
- The Ohio Valley Fertilizer Corporation  
Maysville, Kentucky
- Price Chemical Co.  
Miller's Lane, Louisville, Ky.
- Ruhm Phosphate & Chemical Co.  
813 Garden St., Columbia, Tenn.
- O. M. Scott & Sons Co.  
Marysville, Ohio
- Schrock Fertilizer Service  
Congerville, Illinois
- Sears, Roebuck & Company  
Lawn & Garden Department 671  
Chicago, Illinois
- Sewerage Commission City of Milwaukee  
Milwaukee, Wisconsin
- Spencer Chemical Co.  
Box 604, Pittsburg, Kansas
- Swift & Co.  
Union Stock Yards, Chicago 9, Ill.  
National Stock Yards, Illinois
- Tennessee Chemical Co.  
Box 1088, Nashville, Tennessee  
(See Armour Fertilizer Works)
- Tennessee Corporation  
Lockland Sta., Cincinnati 15, O.  
New Albany, Indiana
- Thompson Sales Co.  
Box 246, Montgomery, Alabama
- Thomson Phosphate Department  
International Min. & Chem. Corp.  
20 N. Wacker Drive  
Chicago, Illinois
- Tri-State Chemical Co.  
Henderson, Kentucky
- Valley Counties of Ky. Cooperative, Inc.  
Box 351, Murray, Kentucky
- Virginia-Carolina Chemical Corp.  
Murray Road, St. Bernard Sta.  
Cincinnati, Ohio  
Hopkinsville, Kentucky  
Mt. Pleasant, Tennessee

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ALLIED CHEMICAL &amp; DYE CORP. NIT. DIV.</u>					
	12 12 12M				
5987	G. W. BOWLING & SON	12.3	12.9	12.6	105
6018	RALPH HOVIOUS	12.4	13.0	12.2	105
6067	J. H. FEDDERS INC.	12.9	14.9	12.8	113
6328	FRANCIS WHOLESALE COMPANY	12.3	13.0	12.4	105
6353	PEOPLES ICE & COAL COMPANY	12.1	12.5	12.0	102
6747	HARRISON BROTHERS FARM SUPPLY	12.0	12.4	12.6	102
6905	E. S. FERRILL HARDWARE	12.4	12.7	12.1	104
6964	GEORGE PATMOR & SON	12.1	12.8	12.3	103
6981	CAMPBELLS MILL	12.0	12.5	12.8	102
7289	G. H. BOWLES & SON	12.7	13.1	12.5	107
	16 NITRATE OF SODA				
7290	G. H. BOWLES & SON	16.3			102
7313	PAINTSVILLE FARMERS SUPPLY COMPANY	16.3			102
7466	J. T. LAWSON HARDWARE COMPANY	16.1			101
	20.5 AMMONIUM NITRATE LIMESTONE				
7178	JELICO GROCERY	20.9			102
	32 NITROGEN SOLUTION				
7645	HAYDON COAL & OIL COMPANY	32.4			103
	41 NITROGEN SOLUTION NO. 2				
7501	LAND O NAN WAREHOUSE	41.0			100
	45 UREA COMPOUND				
7113	CAYCE & YOST COMPANY	45.7			102
7360	LAND O NAN WAREHOUSE	45.0			100
<u>AMERICAN AGRICULTURAL CHEMICAL CO.</u>					
	0 20 20M				
5959	MCDONALD HARDWARE		18.6*	19.2*	94*
7440	JOHN A. SHEEHAN		20.2	20.0	101
	2 12 6M				
6555	JOHN A. SHEEHAN	2.2	11.8	6.1	101
6693	LEBANON CARRIAGE & IMPLEMENT COMPANY	1.7*	12.3	6.4	100
	3 9 6 3M 3S				
6074	JOHN A. SHEEHAN	3.1	9.2	6.2	103
	3 12 12M				
5667	MONARCH MILLING COMPANY	3.0	11.8	12.9	101
5786	WOODSON LEWIS	3.0	12.0	12.7	102
5847	WALTERS & THOMPSON	3.0	12.1	12.6	102
5928	WOODFORD SPEARS & SONS	3.0	11.7*	12.7	100
5958	MCDONALD HARDWARE	3.1	12.1	12.5	102
5983	L. F. WELLMAN HARDWARE	3.0	12.0	12.5	101
6010	COFFEYS STORE	3.0	11.8	12.3	100
6070	BURLINGTON LUMBER & BUILDING SUPPLY	3.0	12.3	12.5	102
6202	JOHN A. SHEEHAN	2.8	11.8	12.8	100
6260	WALTERS & THOMPSON	3.0	12.0	11.9	100
6565	BUTLER MERCANTILE COMPANY	2.9	11.9	13.0	101
6633	READNOUR COAL & FEED COMPANY	3.0	12.4	11.9	102
7147	JOHNNYS GENERAL STORE	3.1	11.9	12.7	102
7205	MCDONALD HARDWARE	3.0	12.0	11.8	100
	4 12 8M				
6023	BAUGHMAN MILLING COMPANY	4.0	12.2	8.7	102
6691	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.0	12.0	9.1	102



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>AMERICAN AGRICULTURAL CHEM. CONTINUED</i>					
<i>4 12 8S</i>					
5674	BEDFORD & TUTTLE	4.2	11.4*	8.9	101
5935	MILLERSBURG COAL & LUMBER COMPANY	4.1	12.3	8.3	103
6201	JOHN A. SHEEHAN	4.1	11.4*	8.6	99
6547	C. P. HOUGHINS	3.9	12.2	7.8	100
6552	LELAND BOWLES	4.1	11.7*	8.5	100
6564	BUTLER MERCANTILE COMPANY	3.9	11.7*	8.0	98
6634	READNOUR COAL & FEED COMPANY	4.0	12.0	8.3	101
6689	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.0	11.9	8.1	100
6758	BILLY ROBERSON	4.0	12.8	8.5	105
<i>5 10 15S</i>					
5666	MONARCH MILLING COMPANY	5.1	10.0	15.7	102
5787	WOODSON LEWIS	5.1	10.3	15.4	103
5929	WOODFORD SPEARS & SONS	4.9	10.4	15.1	101
5933	MILLERSBURG COAL & LUMBER COMPANY	4.9	10.6	15.2	102
5960	MCDONALD HARDWARE	4.9	10.2	15.5	101
6003	J. W. DAVIDSON	4.8	10.8	14.9	102
6068	J. H. FEDDERS INC.	4.9	12.0	15.1	108
6071	BURLINGTON LUMBER & BUILDING SUPPLY	5.0	11.5	15.3	107
6075	JOHN A. SHEEHAN	5.2	10.2	15.8	104
6218	BEDFORD & TUTTLE	5.1	10.4	14.9	102
6258	WALTERS & THOMPSON	5.1	10.2	15.4	102
6298	CARROLL COUNTY FARM BUREAU COOP.	5.0	9.9	15.3	100
6301	LEMONS BROTHERS	5.0	10.1	15.1	101
6550	LELAND BOWLES	4.9	9.9	14.9	99
7129	THURMAN BROWNFIELD	5.1	10.0	15.3	101
7148	JOHNNYS GENERAL STORE	5.0	10.2	15.1	101
<i>6 6 18S</i>					
6302	LEMONS BROTHERS	6.0	6.8	17.2*	102
7094	J. W. SETTLE FEED STORE	5.9	6.9	17.5*(1)	102
<i>6 8 6S</i>					
5930	WOODFORD SPEARS & SONS	5.9	8.5	6.4	103
5934	MILLERSBURG COAL & LUMBER COMPANY	6.2	8.5	6.4	105
5984	L. F. WELLMAN HARDWARE	6.2	8.7	6.4	106
6004	J. W. DAVIDSON	6.1	8.3	6.5	104
6203	JOHN A. SHEEHAN	6.1	8.2	6.2	102
6297	CARROLL COUNTY FARM BUREAU COOP.	5.9	8.3	7.1 (2)	104
6553	LELAND BOWLES	6.1	8.7	6.6	106
6566	BUTLER MERCANTILE COMPANY	6.1	9.0	6.5	107
6635	READNOUR COAL & FEED COMPANY	6.2	8.4	6.3	104
6690	LEBANON CARRIAGE & IMPLEMENT COMPANY	6.1	8.3	6.6	104
6751	W. G. COX	6.2	8.3	6.2	104
6757	BILLY ROBERSON	6.1	8.6	6.6	105
7146	JOHNNYS GENERAL STORE	6.0	9.0	6.7 (3)	107
7439	JOHN A. SHEEHAN	6.2	8.5	6.4	105
7448	NORMAN TAYLOR	6.3	8.5	6.2	105
<i>6 12 12M</i>					
5927	WOODFORD SPEARS & SONS	5.7*	12.3	12.4	100
5982	L. F. WELLMAN HARDWARE	6.0	12.2	12.8	102
7037	RAVENNA GROCERY	6.0	11.9	12.4	100
7486	J. H. FEDDERS INC.	5.6*	12.9	11.4*	100
7622	A. T. HAYES & SON HARDWARE	6.1	12.0	13.0	102
<i>10 6 4M</i>					
7487	J. H. FEDDERS INC.	10.3	6.1	4.7	104
<i>10 10 10M</i>					
6259	WALTERS & THOMPSON	9.7*	9.8	10.6	99
6841	WALTERS & THOMPSON	9.8	9.9	10.3	99
7449	NORMAN TAYLOR	10.1	10.2	9.9	101

(1) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>AMERICAN AGRICULTURAL CHEM. CONTINUED</u>					
33.5 AMMONIUM NITRATE					
6204	JOHN A. SHEEHAN	33.4			100
6250	MILLERSBURG COAL & LUMBER COMPANY	33.6			100
18 SUPERPHOSPHATE					
5669	MONARCH MILLING COMPANY		18.3		102
5788	WOODSON LEWIS		18.5		103
6557	JOHN A. SHEEHAN		18.8		104
6694	LEBANON CARRIAGE & IMPLEMENT COMPANY		18.0		100
7122	S.W.EICHHOLTZ		17.9		100
7447	NORMAN TAYLOR		18.2		101
48.6 SULFATE OF POTASH					
5931	WOODFORD SPEARS & SONS			50.2	103
60 MURIATE OF POTASH					
6556	JOHN A. SHEEHAN			60.0	100
<u>AMERICAN CYANAMID CO.</u>					
20 CALCIUM CYANAMID					
6141	HARRALSON SEED COMPANY	20.6			103
33.5 AMMONIUM NITRATE					
5906	GOODLOE MAYS	33.6			100
5952	MOUNT VERNON PRODUCE COMPANY	33.4			100
6212	SOUTHERN STATES LEXINGTON COOP	33.2			99
7124	S. W. EICHHOLTZ	33.6			100
<u>AMERICAN LIQUID FERTILIZER CO.</u>					
8 16 8M					
7034	HARDY BROTHERS	8.2	16.6	8.5	104
7436	DUDGEON & ROBINSON	9.3	16.4	9.0	109
<u>ARMOUR FERTILIZER WORKS ATLANTA GA.</u>					
5 10 5M					
6546	GORE FARM SUPPLY	5.2	10.4	6.0	106
6711	ANDERSON & SPILMAN FEED MILL	5.2	10.4	5.7	105
6869	DIXIE FEED COMPANY	5.0	10.0	5.5	101
7054	S A HILL	5.3	10.2	5.8	105
7446	AUGUSTA FARM SUPPLY	5.2	10.1	5.2	102
5 10 10S					
6490	THE T. J. TURLEY COMPANY	4.9	10.3	10.6	102
<u>ARMOUR FERTILIZER WORKS BARTOW FLA.</u>					
45 SUPERPHOSPHATE					
6385	GLASGOW TRADING CENTER		45.2		101
7291	THOMERSON MILLING COMPANY		45.3		101



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
ARMOUR FERTILIZER WORKS CINN. OHIO.					
0 12 12M					
6659	SAMUEL HAM		12.1	12.2	101
6663	VIRGIL STALLARD		11.9	12.4	101
6765	KEITH & LYKINS		11.9	12.5	101
7141	W. C. DICKEN		11.6*	12.8	100
0 20 20M					
5941	ROSE SEED & FEED STORE		19.9	20.8	101
6045	J. F. BERTRAM & SON		19.1*	19.3*	96*
6241	BRENT & COMPANY		19.1*	20.1	97*
6660	SAMUEL HAM		18.9*	20.1	96*
7030	WILLOUGHBY SUPPLY		18.9*	20.5	97*
7187	G. C. CORNETT		19.3*	20.0	98
7460	G. W. BOWLING & SON		19.5*	19.9	98
3 9 6M					
6226	CAMARGO FARMERS SUPPLY	3.1	8.7*	6.1	118
6621	WRIGLEY MERCANTILE COMPANY	3.2	8.6*	6.6	101
6661	VIRGIL STALLARD	2.9	8.7*	6.1	98
6867	BIG JIM COAL COMPANY	3.2	8.5*	6.6	101
6868	TRI STATE WHOLESALE	3.2	9.0	6.7	104
3 12 6M					
5948	JERONE GLASS	3.0	11.5*	6.4	98
5971	ROBINSON MILLING COMPANY	3.1	11.5*	7.4	102
6037	KEITH & LYKINS	2.9	11.2*	6.6	97
6047	J. F. BERTRAM & SON	3.0	11.7*	6.4	99
3 12 12M					
5937	BROWNS HARDWARE & ELECTRIC	2.8	12.0	12.3	99
5998	N. S. DUDLEY & SON	2.8	11.9	12.7	100
6284	PRENTISS MARTIN	2.9	11.6*	12.2	98
6562	BUTLER LUMBER & COAL COMPANY	3.0	11.6*	13.1	101
6614	BROWN HARDWARE & ELECTRIC	2.9	12.0	12.6	101
4 12 8M					
5990	GREENUP MILLING COMPANY	3.9	11.7*	8.7	100
6225	CAMARGO FARMERS SUPPLY	4.1	12.6	8.5	105
6569	CINCINNATI HAY & GRAIN	4.1	12.0	8.7	102
6766	KEITH & LYKINS	4.0	12.0	8.4	101
7184	HARLAN FARMERS SUPPLY	4.2	11.9	8.4	102
7483	KELLER HAY & GRAIN COMPANY	4.0	12.3	7.8	101
4 12 8S					
5989	BERTRAM FARM SUPPLY	3.8	11.6*	8.6	98
6046	J. F. BERTRAM & SON	3.8	11.8	8.6	99
6057	G. T. CUMMINS	3.9	11.7*	8.9	100
6240	BRENT & COMPANY	3.7*	11.8	8.5	98
6561	BUTLER LUMBER & COAL COMPANY	3.8	12.0	8.3	99
6718	SMOOT & THOMAS	3.9	12.7	8.4	103
7134	J. R. PARSONS	3.9	11.9	8.3	100
7231	WEBB & GRISHAM	4.3	12.3	8.4 (1)	104
7348	LONDON HARDWARE	3.9	11.9	8.5 (2)	100
7437	PENDLETON COUNTY MILL	4.2	11.9	8.4 (3)	102
5 10 5M					
5945	UNION GROCERY COMPANY	5.3	10.1	5.7	104
5947	JERONE GLASS	5.0	10.1	5.6	102
5999	N. S. DUDLEY & SON	5.1	10.3	5.7	104
6040	KEITH & LYKINS	5.1	10.5	5.7	105
5 10 10M					
5410	W. D. CUNNINGHAM	4.7*	10.0	10.0	98
5977	LOUISA SUPPLY COMPANY	4.8	11.9	10.6	108
6568	KELLER HAY & GRAIN	5.0	10.0	10.3	101
6668	MYERS & CLARK COMPANY	4.9	10.1	10.1	100

(1) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH

(3) ALL POTASH FROM MURIATE

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
<i>ARMOUR CINCINNATI CONTINUED</i>		(Percent)	(Percent)	(Percent)	
<i>5 10 10M CONTINUED</i>					
6800	PRENTISS MARTIN	5.2	9.5*	10.3	100
7186	G. C. CORNETT	4.9	10.1	9.9	100
7308	MUSIC WHOLESALE	4.9	10.0	10.4	100
<i>5 10 15S</i>					
5664	CARMARGO FARMERS SUPPLY COMPANY	5.0	10.0	15.0	100
5673	SPHAR & COMPANY	4.9	10.0	15.4	100
5849	PRENTISS MARTIN	4.9	10.4	15.1	101
5903	ANDERSON & SPILLMAN MILL	4.8	10.2	15.0	100
5932	BRENT & COMPANY	4.9	10.0	15.3	100
5936	ALLEN CALHOUN	4.8	10.1	15.0	99
5950	JERONE GLASS	4.8	10.2	14.9	99
5988	BERTRAM FARM SUPPLY	4.9	10.5	14.7*	101
5991	GREENUP MILLING COMPANY	5.0	10.4	14.9	101
5997	N S DUDLEY & SON	5.1	10.2	15.0	101
6039	KEITH & LYKINS	4.9	10.1	14.7*	99
6049	J. F. BERTRAM & SON	4.9	10.5	15.0	101
6563	BUTLER LUMBER & COAL COMPANY	4.9	10.3	14.6*	100
6637	HULETTE HARDWARE	4.8	9.8	14.9	98
6744	JACKSON COUNTY FARM SERVICE	4.8	11.0	14.6*(1)	102
7126	SAM RYLE	4.9	10.2	14.7*	100
7140	W C DICKEN	5.0	10.0	15.0	100
7438	PENDLETON COUNTY MILL	5.0	10.0	14.9	100
7442	CHESTER REED	4.9	10.8	14.7*	102
<i>5 20 20M</i>					
6069	ROBERTS BROTHERS	4.8	20.6	18.6*	99
6073	SAM RYLE	4.9	19.8	19.9	99
7309	MUSIC WHOLESALE	5.0	19.5*	20.0	99
<i>6 6 18S</i>					
5672	SPHAR & COMPANY	6.0	6.2	17.7*(2)	100
5776	WILLOUGHBY SUPPLY COMPANY	6.0	6.2	17.6*(3)	100
5850	PRENTISS MARTIN	6.0	5.9	17.8*(4)	99
6243	BRENT & COMPANY	5.9	6.3	17.3*	99
6636	HULETTE HARDWARE	5.9	6.4	16.9*	99
6714	H. & W. G. FIELD	5.9	6.7	17.5*	101
7012	SATTERWHITE FARM SERVICE	5.8	6.9	17.1*	101
7055	VERSAILLES FARMERS UNION SUPPLY	5.6*	6.9	17.6*	100
7119	ROBERTS BROTHERS	5.9	6.5	17.4*	100
7304	ROSE FEED & SEED STORE	6.0	6.8	17.7*	103
7577	C. T. ASHLEY & COMPANY	6.0	6.5	17.8	102
<i>6 8 6S</i>					
5949	JERONE GLASS	5.7*	8.6	6.8*(5)	103
5992	GREENUP MILLING COMPANY	5.8	8.0	6.5	100
6048	J. F. BERTRAM & SON	5.6*	8.0	6.5	98
6223	CAMARGO FARMERS SUPPLY	5.6*	8.3	6.4	100
6560	BUTLER LUMBER & COAL COMPANY	6.0	8.3	6.7	98
6615	BROWN HARDWARE & ELECTRIC	6.0	8.9	6.0	104
6638	HULETTE HARDWARE	5.8	8.1	6.5	100
6712	ANDERSON & SPILLMAN FEED MILL	6.1	8.0	6.2	101
6743	T. H. COFFEY	5.9	8.4	6.3	102
6799	PRENTISS MARTIN	6.1	8.2	6.3	102
7128	SAM RYLE	6.0	7.9	6.2	100
7481	KELLER HAY & GRAIN COMPANY	6.0	8.5	6.4	104
<i>6 12 12M</i>					
5978	LOUISA SUPPLY COMPANY	5.6*	12.0	12.1	98
6616	BROWN HARDWARE & ELECTRIC	6.0	12.0	11.9	100
6662	VIRGIL STALLARD	5.9	12.3	11.8	100
7053	S. A. HILL	6.0	12.0	12.1	100
7143	W. C. DICKEN	6.0	12.4	11.8	101
7485	CINCINNATI GRAIN & HAY COMPANY	5.5*	12.9	10.8*	98

(1) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 1.1% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>ARMOUR CINCINNATI CONTINUED</u>					
	6 12 12S				
5972	CORRELL STORE	6.1	11.9	11.9	100
5993	GREENUP MILLING COMPANY	5.9	12.1	12.3 (1)	100
6038	KEITH & LYKINS	5.9	11.6*	12.7	99
6657	THE PEOPLES STORE	6.0	12.0	12.1	100
7120	ROBERTS BROTHERS	5.9	12.2	12.0 (2)	100
7142	W. C. DICKEN	5.9	12.1	11.7*	99
	10 6 4S				
7482	KELLER HAY & GRAIN COMPANY	9.8	6.5	4.6	102
	10 10 10M				
6072	SAM RYLE	9.1*	10.5	10.4	98
6654	BRENT & COMPANY	9.8	10.0	10.2	99
6713	H. & W. G. FIELD	10.0	10.0	9.9	100
6764	KEITH & LYKINS	9.6*	10.2	10.0	99
7056	VERSAILLES FARMERS UNION SUPPLY	10.0	9.9	10.2	100
7125	SAM RYLE	9.5*	10.3	10.1	99
	33.5 AMMONIUM NITRATE				
5946	UNION GROCERY COMPANY	33.6			100
6224	CAMARGO FARMERS SUPPLY	33.6			100
	20 SUPERPHOSPHATE				
5944	UNION GROCERY COMPANY		19.9		100
5976	LOUISA SUPPLY COMPANY		20.0		100
6044	J. F. BERTRAM & SON		20.0		100
6244	BRENT & COMPANY		19.7*		98
7127	SAM RYLE		19.4*		96
7144	W. C. DICKEN		20.2		101
7214	RALPH HOVIOUS		19.8		99
7225	LONDON HARDWARE		20.1		100
	48 SULFATE OF POTASH				
5670	SPHAR & COMPANY			52.0	108
5773	WILLOUGHBY SUPPLY COMPANY			49.0	102
6058	G. T. CUMMINS			50.7	106
6242	BRENT & COMPANY			51.1	106
6285	PRENTISS MARTIN			48.6	101
7123	S. W. EICHHOLTZ			49.7	104
7445	G. T. CUMMINS			50.4	105
	60 MURIATE OF POTASH				
5774	WILLOUGHBY SUPPLY COMPANY			60.7	101
6245	BRENT & COMPANY			60.2	100
<u>ARMOUR FERTILIZER WORKS JEFFER. IND.</u>					
	0 12 12M				
6544	PENN MERCANTILE COMPANY		12.0	12.2	101
	0 20 20M				
5413	W. C. BLAIR		17.9*	17.7*	89*
5781	EARL H FROEDGE		19.0*	21.3	99
6291	BEDFORD FARM EQUIPMENT COMPANY		20.9	19.5*	102
6388	GLASGOW TRADING CENTER		19.8	20.1	100
7088	C. H. MENG		17.9*	16.9*	88*
7089	RIVERVIEW FARMS DAIRY		19.6*	21.1	100
7243	T. F. KEENE & SONS		20.4	18.4*	99
	0 20 20M 4LB BORAX PER 100				
6246	BRENT & COMPANY (3)		18.7*	19.7*	95*

(1) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.4% POTASH

(3) BORON GUARANTEED 0.45%-----FOUND 0.46%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ARMOUR JEFFERSONVILLE CONTINUED</u>					
	2 12 6M				
7301	CAMPBELL WHOLESALE	2.2	12.1	6.7	104
7328	U. L. ROGERS & SONS	1.9	12.4	5.9	101
7611	G. M. HAYCRAFT & SON	2.2	12.2	6.1	103
	3 9 6M				
6879	WATKINS WHOLESALE	3.2	9.8	6.0	107
	3 12 6M				
6165	FELTY PRODUCE COMPANY	2.9	12.0	6.1	99
6707	HOWARD MOORE	3.1	12.6	6.8	106
6737	C. E. HERRIN	2.8	12.3	6.2	101
6878	WATKINS WHOLESALE	3.1	11.8	6.6	101
7072	BEDFORD FARM EQUIPMENT COMPANY	3.2	12.0	6.6	103
7190	W. C. BLAIR	3.2	12.4	7.4	107
7226	EMINENCE FARMERS SUPPLY COMPANY	2.9	12.1	6.3	101
7251	ALLENS COAL SERVICE	3.0	11.9	6.7	101
7613	G. M. HAYCRAFT & SON	3.0	11.7*	6.6	100
	3 12 12M				
5956	JOHN J. CARTER	2.9	11.8	12.4	99
6386	GLASGOW TRADING CENTER	2.9	11.8	12.0	98
7068	SMITH CARRICO	2.9	11.7*	12.1	98
7073	BEDFORD FARM EQUIPMENT COMPANY	2.8	11.9	11.9	98
7246	JEWELL & HAYDON HARDWARE	3.0	11.9	12.3	100
7252	ALLENS COAL SERVICE	3.1	12.1	12.9	103
7612	G. M. HAYCRAFT & SON	2.9	12.0	12.0	99
	4 12 8M				
6580	G. M. HAYCRAFT & SONS	3.7*	12.3	8.6	101
6812	STOUTS FEED STORE	3.9	12.2	8.6	102
	4 12 8S				
6629	SPARTA TRANSFER	3.8	12.5	8.2	101
	4 24 12M				
5420	C. C. BRASWELL	3.9	22.7*	12.4	97*
6384	GLASGOW TRADING CENTER	3.7*	23.9	11.7*	98
	5 10 10M				
6865	WILDERS STORE	4.9	10.0	10.4	100
7175	CAMPBELL WHOLESALE	4.8	11.1	10.3	104
	5 10 10S				
6414	CADIZ HARDWARE COMPANY	4.9	10.2	9.9	100
6719	GAYLE WISER	4.5*	10.5	9.9	99
6839	GOODMAN BROTHERS & COMPANY	4.9	10.6	10.3	103
	5 10 15S				
5775	WILLOUGHBY SUPPLY COMPANY	5.0	10.4	15.2	102
5922	SKELTONS GENERAL STORE	4.8	10.6	14.8	101
5924	T. F. KEENE & SONS	5.1	10.1	13.5*	98
5955	JOHN J. CARTER	4.9	10.2	15.1	100
6216	STANLEY PENN & SONS	4.8	10.1	14.1*	97
6263	T. G. SMITHER	4.8	10.1	15.0	99
6275	GEORGE FREMD JR.	4.8	10.2	14.7*	99
6293	BEDFORD FARM EQUIPMENT COMPANY	4.9	10.4	15.0	101
6390	GLASGOW TRADING CENTER	4.9	10.1	15.2	100
6628	SWEET OWEN GENERAL STORE	4.7*	10.5	14.5*	99
6788	CECIL SEMONES	4.9	10.3	14.2*	99
7070	LEO TAYLOR	5.2	10.9	14.2*(1)	103
7223	C. E. HERRIN	6.2	10.4	15.4	110
	5 20 20M				
6387	GLASGOW TRADING CENTER	4.9	20.7	19.4*	101
6852	D. B. SAYLOR	4.9	21.4	18.6*	101

(1) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ARMOUR JEFFERSONVILLE CONTINUED</u>					
6088	6 6 18S BONNIEVILLE HARDWARE	5.9	6.6	18.0	102
5780	6 8 6S EARL H. FROEDGE	5.7*	8.0	6.9	100
5908	HENRY D. ELLIOTT	5.5*	8.4	6.4	99
6290	JOE BUSH FARM SUPPLY	5.7*	8.0	7.2	101
6502	GRAY & BISHOP	5.6*	8.5	6.6	101
6579	G. M. HAYCRAFT & SONS	5.7*	8.1	6.9	101
7065	JOE BUSH FARM SUPPLY	5.3*	9.0	6.4	101
7620	SAM TERRY GENERAL STORE	5.9	8.9	6.1 (1)	104
6090	6 12 12M UPTON FARMERS SUPPLY	5.7*	11.9	12.5	99
6279	RAY C. HARDESTY	5.4*	11.9	12.1	96*
5848	6 12 12S PRENTISS MARTIN	5.9	12.1	12.1 (2)	100
6078	JEWELL & HAYDEN HARDWARE	5.6*	13.2	12.3	103
6274	WATKINS BROTHERS	5.6*	12.3	11.9	99
6292	BEDFORD FARM EQUIPMENT COMPANY	5.7*	12.1	12.5	100
6389	GLASGOW TRADING CENTER	5.8	12.5	12.4	101
6581	G. M. HAYCRAFT & SONS	6.3	12.0	12.4	102
6723	GEORGE TACKETT	5.6*	12.3	12.8	100
6854	STEWARTS SUPER MARKET	5.4*	12.5	12.2 (3)	99
7224	C. F. MULLINS	5.9	12.3	11.6*(4)	100
6993	10 10 10M HENDERSON FEED & COMMISSION COMPANY	9.8	10.8	11.8	103
7067	SMITH CARRICO	9.6*	11.0	10.0	101
7087	C. H. MENG	9.4*	10.9	11.5	102
7250	ALLENS COAL SERVICE	9.3*	10.8	11.2	101
7242	12 12 12M T. F. KEENE & SONS	11.7*	11.9	13.1	100
5957	20 SUPERPHOSPHATE JOHN J. CARTER		19.8		99
6079	JEWELL & HAYDEN HARDWARE		20.2		101
6089	BONNIEVILLE HARDWARE		20.0		100
6627	SWEET OWEN GENERAL STORE		19.6*		98
6720	GAYLE WISER		20.7		103
7222	45 SUPERPHOSPHATE C. E. HERRIN		46.0		102
5923	48 SULFATE OF POTASH SKELTONS GENERAL STORE			50.1	104
6280	SMITH & JACKSON			50.4	105
6287	RALPH BERRY			51.5	107
6782	TRIPLE M FARM			51.3	107
7069	SMITH CARRICO			48.6	101
7090	RIVERVIEW FARMS DAIRY			51.2	107
6392	60 MURIATE OF POTASH H. D. JONES			61.4	102
6783	TRIPLE M FARM			61.2	102
6926	CAVE CITY ICE & COAL COMPANY			61.2	102

(1) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 2.0% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>ARMOUR FERTILIZER WORKS NASH. TENN.</u>					
0 12 12M					
6277	GEORGE FREMD JR.		12.0	12.3	101
6493	WALLACES HARDWARE COMPANY		12.4	12.3	103
0 14 7M					
7150	BIG FOUR FEED & IMPLEMENT COMPANY		14.0	7.3	101
0 20 20M					
6494	WALLACES HARDWARE COMPANY		20.2	20.2	101
2 12 6M					
6382	BIG FOUR FEED & IMPLEMENT COMPANY	2.2	12.0	6.1	102
6525	AYRES SEED AND FERTILIZER COMPANY	2.4	11.2*	6.9	101
6966	GEORGE PATMOR & SON	2.7	11.5*	7.0	106
7882	A. C. ROBERTS	2.2	12.4	6.3	105
3 9 6M					
6529	AYRES SEED AND FERTILIZER COMPANY	3.0	8.6*	6.5	99
6944	GUY ORNDORFF HARDWARE	2.6*	9.4	6.1	99
7115	AUBURN SEED COMPANY	3.1	9.3	6.0	103
3 9 18S					
7116	AUBURN SEED COMPANY	3.2	9.3	13.3*(1)	92*
3 12 6M					
6352	PEOPLES ICE & COAL COMPANY	2.8	12.2	6.0	99
6495	WALLACES HARDWARE COMPANY	3.0	12.1	6.3	101
6901	UPTON FARMERS SUPPLY COMPANY	3.0	12.0	6.2	101
7281	A. C. ROBERTS	3.2	12.2	6.5	104
3 12 12M					
6983	KEVIL FEED & SUPPLY COMPANY	3.0	11.9	12.4	100
7194	C. C. BRASWELL	3.0	12.8	11.5*	102
4 12 4M					
5783	TRUMAN HOLLINSWORTH & COMPANY	4.0	11.9	4.6	101
4 12 8M					
6166	FELTY PRODUCE COMPANY	3.9	12.0	8.1	100
6411	CADIZ HARDWARE COMPANY	4.0	12.3	8.3	102
6526	AYRES SEED AND FERTILIZER COMPANY	3.9	12.4	7.6*	100
5 10 10M					
5891	HENDERSON FEED & COMMISSION COMPANY	4.9	9.7*	10.0	98
7151	BIG FOUR FEED & IMPLEMENT COMPANY	4.9	10.2	9.9	100
5 10 10S					
6518	N. T. NUCKOLS	5.0	10.0	9.9	100
6530	AYRES SEED & FERTILIZER COMPANY	4.7*	10.1	10.9	100
6943	ROBERT JAMES FEED COMPANY	5.0	10.4	9.4*	100
6986	BARLOW FEED MILL	4.8	10.2	10.4	100
5 10 15S					
6491	THE T. J. TURLEY COMPANY	5.0	10.3	14.7*	101
7199	SEWELL & COMPANY	4.6*	10.5	14.5*	99
6 8 6M					
5419	C. C. BRASWELL	5.7*	8.2	6.0	99
6496	WALLACES HARDWARE COMPANY	5.8	8.2	5.8	99
6528	AYRES SEED AND FERTILIZER COMPANY	5.8	7.9	6.1	98

(1) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>ARMOUR NASHVILLE CONTINUED</u>					
6 8 6S					
5411	W. D. CUNNINGHAM	5.9	8.2	6.4	101
6413	CADIZ HARDWARE COMPANY	5.5*	8.3	6.4	99
6492	THE T. J. TURLEY COMPANY	5.8	8.1	6.7	101
6527	AYRES SEED AND FERTILIZER COMPANY	5.8	8.3	6.4	101
8 8 8M					
6963	GEORGE PATMOR & SON	6.9*	9.1	7.7*	97
10 10 10M					
6497	WALLACES HARDWARE COMPANY	9.7*	10.3	9.8	99
7198	MCHORTER PRODUCE	9.7*	10.3	9.9	99
20 SUPERPHOSPHATE					
5421	C. C. BRASWELL		20.0		100
6276	GEORGE FREMD JR.		20.1		100
6383	BIG FOUR FEED & IMPLEMENT COMPANY		19.9		100
6412	CADIZ HARDWARE COMPANY		19.6*		98
6962	GEORGE PATMOR & SON		20.9		105
7195	C. C. BRASWELL		20.4		102
48 SULFATE OF POTASH					
6002	GIBSON PRODUCE			51.2	107
6985	BARLOW FEED MILL			52.0	108
7276	BIG FOUR FEED & IMPLEMENT COMPANY			50.8	106
<u>ASSOCIATED COOPERATIVES INC.</u>					
14 14 14M					
5770	MONTICELLO FARMERS SUPPLY COMPANY	14.3	14.4	14.3	102
5846	SOUTHERN STATES SHELBYVILLE COOP.	14.1	15.0	15.0	104
5886	SOUTHERN STATES HENDERSON COOP.	13.8	14.9	14.5	106
6066	SOUTHERN STATES CAMPBELL COOP.	14.1	15.2	15.2	105
6315	SOUTHERN STATES CYNTHIANA COOP.	14.1	14.0	14.7	101
6393	SOUTHERN STATES GLASGOW COOPERATIVE	14.0	14.5	14.0	101
6573	SOUTHERN STATES HARDIN COOPERATIVE	14.6	15.2	15.0	106
6695	SOUTHERN STATES LEBANON COOPERATIVE	14.0	14.4	14.2	101
6738	SOUTHERN STATES LONDON COOPERATIVE	14.7	14.7	15.3	106
6920	E. E. RICH	13.8	14.0	15.6	101
6950	SOUTHERN STATES RUSSELLVILLE COOP.	14.0	14.8	14.0	102
6965	GEORGE PATMOR & SON	14.1	14.1	14.7	101
33.5 AMMONIUM NITRATE					
5873	VALLEY COUNTIES OF KENTUCKY COOP.	33.6			100
5884	SOUTHERN STATES OWENSBORO COOP.	33.4			100
5915	KENTUCKY STATE REFORMATORY	33.6			100
5986	SOUTHERN STATES ASHLAND COOPERATIVE	33.6			100
6025	CRAB ORCHARD FARM SERVICE	33.5			100
6228	AMBURGERS FARMS SUPPLY	33.4			100
6329	PRESTONSBURG FARM AND HOME STORE	33.3			99
6365	BOWLING GREEN FARMERS FEED MARKET	33.3			99
7013	WESTERN KENTUCKY STATE HOSPITAL	33.4			100
7210	SOUTHERN STATES SOMERSET COOP.	33.4			102
7294	W. C. TURNER	33.2			99
7606	SOUTHERN STATES HARDIN COOPERATIVE	33.2			99
47 SUPERPHOSPHATE					
6299	CARROLL COUNTY FARM BUREAU COOP.		48.0		102
6918	EDMONSON COUNTY COOPERATIVE		47.2		100
48 SUPERPHOSPHATE					
6368	SOUTHERN STATES SIMPSON COOPERATIVE		48.1		100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ASSOCIATED COOPERATIVES CONTINUED</u>					
	61 CALCIUM METAPHOSPHATE				
6035	SOUTHERN STATES MAYSVILLE COOP.		62.4		102
6095	SOUTHERN STATES HARDIN COOPERATIVE		61.4		101
6395	SOUTHERN STATES GLASGOW COOPERATIVE		60.8		100
7288	SOUTHERN STATES GLASGOW COOPERATIVE		62.0		102
	62 CALCIUM METAPHOSPHATE				
6465	BUGG BROTHERS FEED & SUPPLY		61.9		100
6861	TRI COUNTY FARM SUPPLY		62.6		101
6906	MORRISON & WALLACE		62.2		100
7011	SOUTHERN STATES LEXINGTON COOP.		62.6		101
<u>BARTLETT &amp; O'BRYAN FERTILIZER CO.</u>					
	0 20 20M				
6163	CANARY FARM SUPPLY		20.3	16.2*	95*
	3 9 6M				
6953	CENTRAL CITY FARMERS FEED STORE	2.9	9.1	7.0	103
7383	ROBERT PENCE	2.6*	10.0	7.5	107
	3 9 18M				
6450	BARTLETT & O'BRYAN WAREHOUSE	3.2	9.8	18.2	105
	3 12 12M				
6451	BARTLETT & O'BRYAN WAREHOUSE	2.9	11.7*	12.3	99
7257	PAUL BRITES MILL	2.9	11.8	12.7	100
	4 12 8M				
6452	BARTLETT & O'BRYAN WAREHOUSE	3.8	12.2	9.7	103
	4 16 16M				
6453	BARTLETT & O'BRYAN WAREHOUSE	3.8	15.6*	16.9	99
7384	ROBERT PENCE	3.9	15.9	15.8	99
	5 10 15S				
6458	BARTLETT O'BRYAN WAREHOUSE	4.7*	10.6	14.6*	100
	6 8 6M				
6454	BARTLETT & O'BRYAN WAREHOUSE	5.5*	8.2	8.0	102
6954	CENTRAL CITY FARMERS FEED STORE	6.1	8.4	6.7	104
	6 8 6S				
6457	BARTLETT & O'BRYAN WAREHOUSE	5.8	8.4	6.4	102
7258	PAUL BRITES MILL	5.6*	8.0	6.5	98
7385	ROBERT PENCE	5.7*	8.0	6.7	100
	6 12 12M				
6455	BARLETT & O'BRYAN WAREHOUSE	5.2*	11.9	11.4*	94*
	8 8 8M				
6456	BARLETT & O'BRYAN WAREHOUSE	7.3*	7.7*	9.1	97*
	20 SUPERPHOSPHATE				
6161	CANARY FARM SUPPLY		19.7*		98
6449	BARTLETT & O'BRYAN FERTILIZER PLANT		19.2*		96
	50 SULFATE OF POTASH				
6162	CANARY FARM SUPPLY			50.4	101



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
	<u>BLUEGRASS PLANT FOODS INC. CYNTHIANA</u>	(Percent)	(Percent)	(Percent)	
6053	0 10 20M ATKINSON FARM SUPPLY		10.1	20.3	101
7443	0 20 20M 4LB BORAX PER 100 JAMES E. CURTIS (1)		13.2*	11.8*	64*
6054	3 12 12M ATKINSON FARM SUPPLY	3.6	11.2*	14.1	105
6610	ROSE FEED & SEED STORE	2.9	12.0	12.6	101
7133	EARNEST KELLY	3.1	11.9	12.4	101
6789	4 8 12S DONALD MORSE	4.2	8.5	12.5	105
6889	DORSEY BROTHERS & FISHER	4.0	8.2	12.3	102
7007	EARL KENDALL	3.9	8.6	12.4	103
7130	HARRY CALDWELL	4.1	8.4	12.1	103
6306	4 12 4M FLOYD G. BARLOW	3.8	11.9	5.3	101
7031	4 12 8M WALKER SUPPLY COMPANY	4.3	11.4*	8.5	100
6052	5 10 15S ATKINSON FARM SUPPLY	5.2	10.5	15.8	105
6304	FLOYD G. BARLOW	5.0	10.4	15.7	103
6759	CHARLES RANKIN HATCHERY	5.3	10.1	15.7	104
6791	DONALD MORSE	5.1	10.1	15.7	102
7032	WALKER SUPPLY COMPANY	4.9	10.7	15.5	103
7132	EARNEST KELLY	5.0	10.2	15.5	102
6305	5 15 0 FLOYD G. BARLOW	5.1	15.3		102
6551	AUGUSTA FARM SUPPLY	5.3	15.1		102
6310	6 6 18S FLOYD G. BARLOW	6.1	6.2	18.6	103
6650	REX DUNCAN	6.1	6.0	18.5	102
7004	EARL KENDALL	6.0	6.7	18.7	104
6761	6 8 6M CHARLES RANKIN HATCHERY	6.1	7.7*	6.4	100
7003	EARL KENDALL	5.9	8.3	6.5	102
6308	6 8 6S FLOYD G. BARLOW	6.1	8.3	7.0	105
6760	CHARLES RANKIN HATCHERY	6.2	7.9	6.7	103
6891	DORSEY BROTHERS & FISHER	5.9	8.0	6.7	101
7044	POWELL HACKNEY GROCERY	6.0	8.3	7.0	104
6312	6 8 12 3M 9S FLOYD G. BARLOW	6.1	8.6	12.8	105
6676	REX DUNCAN	6.1	8.5	12.7	104
7005	EARL KENDALL	6.0	8.1	13.0	103
6309	6 12 18S FLOYD G. BARLOW	5.9	12.1	18.3	100
6790	DONALD MORSE	6.2	12.1	18.1	102
7444	JAMES E. CURTIS	6.1	12.1	19.1	103
6055	8 8 8M ATKINSON FARM SUPPLY	6.6*	8.8	11.0	101
6307	FLOYD G. BARLOW	5.4*	9.2	12.3	98
6649	REX DUNCAN	8.1	7.9	8.4	101

(1) BORON GUARANTEED 0.45% ----- FOUND 0.45%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>BLUEGRASS CYNTHIANA CONTINUED</u>					
	10 10 10M				
6311	FLOYD G. BARLOW	9.4*	10.0	10.3	98
6609	ROSE FEED & SEED STORE	9.9	9.9	10.5	100
	33.5 AMMONIUM NITRATE				
6303	FLOYD G. BARLOW	33.6			100
	20 SUPERPHOSPHATE				
6762	CHARLES RANKIN HATCHERY		20.2		101
	50 SULFATE OF POTASH				
6763	CHARLES RANKIN HATCHERY			52.0	104
6890	DORSEY BROTHERS & FISHER			52.0	104
<u>BLUEGRASS PLANT FOODS INC. DANVILLE</u>					
	0 12 12M				
6803	STEWART HOME TRAINING SCHOOL		12.3	13.1	105
	0 20 20M				
6725	ARLIE YEAGER		19.3*	20.0	98
	2 12 6M				
7431	I. K. MILLER & SON	2.2	12.6	6.3	106
	3 12 12M				
6706	SAM C. MAY	3.2	12.4	12.0	103
6801	STEWART HOME TRAINING SCHOOL	3.3	11.3*	12.9	101
7211	ANDERSONS GROCERY	2.9	11.9	12.1	99
	4 8 12S				
6705	SAM C. MAY	3.7*	8.8	12.1	102
	4 12 8M				
6012	LIBERTY HARDWARE COMPANY	4.3	11.8	8.7	103
	5 10 10M				
6704	SAM C. MAY	5.3	10.3	9.9	103
	5 10 15S				
6696	HAYDON MILL & GRAIN COMPANY	5.1	10.2	15.4	102
6724	ALBERT YATES & SON	4.9	10.4	15.3	102
	5 20 20M				
6776	ARLIE YEAGER	4.5*	20.8	18.9*	99
	6 6 18S				
5905	BLUEGRASS PLANT FOODS	5.9	7.1	16.9*	102
6734	BRADIE TEATERS	5.8	6.8	18.5	103
	6 8 6M				
6802	STEWART HOME TRAINING SCHOOL	5.9	8.1	6.7	102
	8 8 8M				
7576	C. T. ASHLEY & COMPANY	7.7*	8.4	8.4	101
	10 10 10M				
6777	W. O. FLORENCE JR.	10.1	10.8	9.9	103



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>BLUEGRASS DANVILLE CONTINUED</u>					
6698	20 SUPERPHOSPHATE HELM BROTHERS		20.1		100
6699	50 SULFATE OF POTASH HELM BROTHERS			51.6	103
6778	W. O. FLORENCE JR.			51.3	103
6700	60 MURIATE OF POTASH HELM BROTHERS			59.8	100
<u>THE BUHNER FERTILIZER CO. INC.</u>					
5416	0 15 15M E. R. REXROAT		14.6*	14.9	98
6814	0 20 20M BUHNER & COMPANY		19.3*	21.4	100
6014	2 12 6M LIBERTY FARMERS CASH STORE	2.5	12.5	6.2	108
6589	NALLS FEED STORE	2.4	12.3	6.7	107
7619	VAN METER FEED STORE	2.4	12.3	6.9	108
7618	3 9 6M VAN METER FEED STORE	3.1	9.7	6.7	107
6016	3 12 12M LIBERTY FARMERS CASH STORE	3.3	12.8	12.0	106
6821	AUBURNDALE FEED & LUMBER COMPANY	3.3	12.5	12.1	104
7274	RAYMOND BLACK	2.8	11.9	12.8	100
7326	HODGES SERVICE STATION	2.7*	12.2	12.5	100
7495	NALL FEED STORE	2.9	12.8	12.3	104
6084	3 18 9M HODGENVILLE SWEET FEED MILL	3.3	17.5*	9.4	101
6015	4 12 8M LIBERTY FARMERS CASH STORE	4.4	12.1	8.0	103
6679	SPRINGFIELD FEED & GRAIN COMPANY	4.1	12.2	8.8	103
6816	BUHNER & COMPANY	4.2	12.1	8.9	104
7497	NALL FEED STORE	3.3*	12.6	8.2	98
8616	BUHNER & COMPANY	4.2	12.1	8.9	104
6085	5 10 15S HODGENVILLE SWEET FEED MILL	4.6*	11.0	16.1 (1)	104
6797	DAWSON FEED & SUPPLY	4.9	11.0	15.9	105
6837	SHELBYVILLE FARMERS SUPPLY COMPANY	4.8	11.2	15.8	105
7218	LIBERTY FARMERS CASH STORE	4.8	10.8	16.0	104
7273	RAYMOND BLACK	5.1	10.7	16.0	105
7426	GREENSBURG FARMERS FEED & SUPPLY	4.9	11.0	16.0	105
7496	NALL FEED STORE	5.0	10.9	15.7	105
5914	6 6 18M KENTUCKY STATE REFORMATORY	5.4*	6.2	20.6	102
5916	CENTRAL STATE HOSPITAL	5.1*	6.3	20.4	101
6210	EASTERN KENTUCKY HOSPITAL	5.4*	6.0	19.8	100
6266	KENTUCKY TRAINING HOME	5.5*	6.6	20.0	104
7102	WESTERN KENTUCKY STATE HOSPITAL	5.5*	6.6	19.8	103

(1) EXCESS MURIATE EQUIVALENT TO 1.0% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>BUHNER FERTILIZER CONTINUED</u>					
6 8 6M					
6588	NALLS FEED STORE	5.5*	9.2	7.8	107
6590	NALLS FEED STORE	5.4*	9.8	7.3	108
6820	SUMMERS FEED & HARDWARE	5.2*	9.8	7.4	106
7245	RIZOR BROTHERS	5.6*	9.3	8.4	110
6 8 6S					
6815	BUHNER & COMPANY	5.5*	8.5	6.4	100
6903	CRUSE BROTHERS FEED STORE	5.6*	9.5	7.2 (1)	108
7217	LIBERTY FARMERS CASH STORE	5.4*	8.8	6.1	100
7229	PLEASUREVILLE LUMBER COMPANY	5.5*	8.9	6.5	102
26 SUPERPHOSPHATE					
6817	BUHNER & COMPANY		25.7*		99
52 SULFATE OF POTASH					
6838	SHELBYVILLE FARMERS SUPPLY COMPANY			52.7 (2)	101
<u>BUNTON SEED CO.</u>					
6 12 6M					
7498	BURNETTS FEED STORE	7.1	11.9	6.7	108
<u>BURLEY BELT PLANT FOOD WORKS</u>					
3 9 6M					
6330	L.M. MILLER	3.1	9.1	6.2	102
7042	SEBASTIAN BROTHERS MERCHANDISE CO.	3.3	9.0	6.8	105
7049	WOOTEN WHOLESALE GROCERY	3.0	8.5*	5.9	97
7167	JETTS GROCERY	3.0	8.9	5.9	99
7307	STEWART JUSTICE	3.0	8.9	6.0	99
3 9 6S					
7006	EARL KENDALL	3.1	8.6*	6.0 (3)	98
4 10 10M					
7050	WOOTEN WHOLESALE GROCERY	4.1	9.4*	10.2	98
7710	ORMOND LEWIS	3.8	10.1	10.0	99
5 10 5M					
7048	WOOTEN WHOLESALE GROCERY	5.0	9.6*	6.1	101
5 10 15S					
6607	D.M. MURPHY & COMPANY	4.8	9.6*	15.6	98
6619	ORMOND LEWIS	4.9	9.6*	15.1	98
7166	JETTS GROCERY	5.0	10.2	14.7*	100
7241	JOHN B PENN COMPANY	4.7*	10.0	14.6*	97
5 10 16S					
7060	ROBERT TRACY	5.1	10.0	15.1*	99
6 6 18S					
6733	BRADIE TEATERS	5.7*	6.5	17.1*(4)	98
7013	CARL STAKLIN	5.8	6.3	18.0 (5)	100

(1) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 4.7% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>BURLEY BELT CONTINUED</u>					
	5 8 6S				
6608	D.M. MURPHY & COMPANY	5.8	8.2	6.1	100
6620	ORMAND LEWIS	5.9	8.0	6.4	100
6644	JOHN B. PENN	5.7*	8.5	6.7	102
6655	PECKS FARMERS SUPPLY	5.9	7.9	6.0	99
<u>CHILEAN NITRATE SALES CORP.</u>					
	16 NITRATE OF SODA				
5412	W. D. CUNNINGHAM	16.1			101
6448	WYNDALLS FARM STORE	16.1			101
6746	HARRISON BROTHERS FARM SUPPLY	16.1			101
6893	DOUGLAS MCLONEY	16.1			101
7293	IDEAL HARDWARE COMPANY	16.1			101
7709	KEETON WHOLESALE GROCERY COMPANY	16.0			100
<u>COMMERCIAL SOLVENTS CORP.</u>					
	33.5 AMMONIUM NITRATE				
5904	ANDERSON & SPILLMAN MILL	33.3			99
6358	SMITHS GROVE FARMERS HAY & SEED CO.	33.5			100
6464	L.W. GLISSON	34.1			102
6781	TRIPLE M FARM	33.4			100
6917	SMITHS GROVE FARMERS HAY & SEED CO.	33.7			101
7066	WOODSON ROBERTSON	33.6			100
7465	J. T. LAWSON HARDWARE COMPANY	33.6			100
<u>COMMONWEALTH FERTILIZER CO. INC.</u>					
	0 20 20M				
6171	ROY MURDOCK		20.1	20.0	100
	3 9 6M				
6461	MCKNIGHTS FARM STORE	3.3	8.9	6.4	103
	3 12 12M				
7373	YOUNG BROTHERS FEED STORE	3.4	11.2*	12.9	101
	4 12 8M				
6948	COMMONWEALTH FERTILIZER COMPANY	4.2	11.5*	8.2	100
	4 16 16M				
6172	ROY MURDOCK	4.1	15.7*	15.8	99
6404	ROY MURDOCK	4.2	14.7*	16.0	97*
	5 10 10S				
6947	COMMONWEALTH FERTILIZER COMPANY	5.0	10.2	10.1	101
7374	YOUNG BROTHERS FEED STORE	4.9	10.0	10.2	100
	5 10 15S				
6174	ROY MURDOCK	5.1	9.9	15.5	101
6949	COMMONWEALTH FERTILIZER COMPANY	5.2	10.1	15.4	102
	6 8 6M				
6462	MCKNIGHTS FARM STORE	5.8	8.1	6.3	100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>COMMONWEALTH CONTINUED</u>					
6946	10 10 10M COMMONWEALTH FERTILIZER COMPANY	99	99	10.4	100
6173	60 MURIATE OF POTASH ROY MURDOCK			60.3	100
<u>CONSOLIDATED CHEMICAL CO.</u>					
5784	2 12 6M H. T. BARTLEY	2.0	12.1	8.2	107
6827	OSCAR FARMER & SONS	2.4	11.9	7.3	106
6829	3 9 6M OSCAR FARMER & SONS	3.4	85*	6.7	103
5418	3 12 12M STOCKTON BROTHERS	3.3	11.2*	12.8	100
6459	CLOVERPORT FARMERS FEED MILL	3.3	11.5*	11.7*	99
6828	OSCAR FARMER & SONS	2.9	11.6*	13.0	100
6505	4 12 8M G. R. BRANSTETTER	25*	12.3	9.1	94*
6460	6 8 8S FARMERS FEED MILL	5.8	8.4	8.8	102
7256	CLOVERPORT FARMERS FEED MILL	5.7*	8.4	9.2	103
<u>COOPERATIVE FERTILIZER SERVICE</u>					
5917	0 14 14M 3LB BORAX PER 100 SOUTHERN STATES LOUISVILLE COOP.(1)		14.2	13.9	101
5970	SOUTHERN STATES SOMERSET COOPERATIVE (2)		13.9	14.8	101
6056	BROOKSVILLE FARM SUPPLY (3)		14.3	13.0*	99
6369	SOUTHERN STATES SIMPSON COOPERATIVE (4)		13.9	14.4	100
6929	STINSON FARM SUPPLY (5)		14.5	14.1	103
7045	PERRY COUNTY FARM SUPPLY(6)		14.2	14.8	103
7156	BOURBON FARM SERVICE(7)		14.0	15.1	103
7235	SOUTHERN STATES OWENTON COOPERATIVE(8)		13.8	15.3	102
7183	0 20 20M HARLAN FARMERS SUPPLY		20.2	21.5	103
5425	0 30 30M BURKESVILLE FARMERS EXCHANGE		29.9	29.7	99
5867	SLAUGHTERS MERCANTILE COMPANY		30.6	29.2*	100
5881	SOUTHERN STATES OWENSBORO COOP.		31.0	29.1*	101
5968	SOUTHERN STATES SOMERSET COOPERATIVE		30.1	29.5	100
6032	SOUTHERN STATES MAYSVILLE COOP.		30.6	29.6	101
6065	SOUTHERN STATES CAMPBELL COOPERATIVE		28.4*	29.3*	96*
6114	SOUTHERN STATES CRITTENDEN COOP.		30.4	29.6	100
6213	SOUTHERN STATES LEXINGTON COOP.		30.2	29.2*	100
6289	JOE BUSH FARM SUPPLY		28.5*	29.7	96*
6373	SOUTHERN STATES SIMPSON COOPERATIVE		30.0	30.4	100
6572	SOUTHERN STATES HARDIN COOPERATIVE		29.9	30.9	101
7085	CARROLL COUNTY FARM BUREAU COOP.		30.2	29.9	100
7101	SOUTHERN STATES RUSSELLVILLE COOP.		29.9	29.8	100
7305	PRESTONSBURG FARM & HOME STORE		30.0	30.9	101
(1)	BORON GUARANTEED 0.34% -----FOUND 0.36%				
(2)	BORON GUARANTEED 0.34% -----FOUND 0.40%				
(3)	BORON GUARANTEED 0.34% -----FOUND 0.34%				
(4)	BORON GUARANTEED 0.34% -----FOUND 0.36%				
(5)	BORON GUARANTEED 0.34% -----FOUND 0.35%				
(6)	BORON GUARANTEED 0.34% -----FOUND 0.41%				
(7)	BORON GUARANTEED 0.34% -----FOUND 0.39%				
(8)	BORON GUARANTEED 0.34% -----FOUND 0.34%				



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>COOPERATIVE FERTILIZER CONTINUED</i>					
<i>2 12 6M</i>					
5866	SLAUGHTERS MERCANTILE COMPANY	2.2	12.2	6.6	104
6094	SOUTHERN STATES HARDIN COOPERATIVE	2.2	11.9	6.5	102
6164	CANARY FARM SUPPLY	2.1	12.2	6.6	104
6222	CAMARGO FARMERS SUPPLY	2.2	12.2	6.8	105
6379	ALLEN COUNTY FARMERS SERVICE	2.2	12.1	6.5	104
6513	MEADE FARMERS SUPPLY	2.0	12.1	6.4	102
6537	SOUTHERN STATES CAMPBELLSVILLE COOP.	2.2	12.2	7.1	106
7603	MUSES GENERAL STORE	2.3	11.9	7.0	105
<i>3 12 12M</i>					
5422	CLINTON FARMERS SUPPLY	3.2	11.9	12.8	103
5868	SLAUGHTERS MERCANTILE COMPANY	3.2	12.0	12.6	103
5882	SOUTHERN STATES OWENSBORO COOP.	3.0	12.2	12.4	102
5887	SOUTHERN STATES HENDERSON COOP.	2.9	12.0	12.7	101
5910	HENRY COUNTY FARM & HOME SERVICE	3.2	11.7*	12.2	100
5953	HARRISON BROTHERS FARM SUPPLY	3.0	11.4*	13.0	100
6019	RALPH HOVIOUS	3.2	11.6*	12.7	101
6026	SOUTHERN STATES FLEMINGSBURG COOP.	3.0	11.3*	12.8	99
6060	SOUTHERN STATES CAMPBELL COOP.	3.2	11.9	12.9	103
6093	SOUTHERN STATES HARDIN COOPERATIVE	2.9	11.9	12.5	100
6295	TRIMBLE COUNTY FARM BUREAU COOP	3.2	12.0	12.7	103
6342	PAINTSVILLE FARMERS SUPPLY COMPANY	3.0	11.5*	12.6	99
6371	SOUTHERN STATES SIMPSON COOPERATIVE	3.2	12.1	12.5	103
6511	MEADE FARMERS SUPPLY	3.2	11.6*	13.0	102
6612	MORGAN FARMERS STORE	3.2	11.0*	12.8	99
6721	SOUTHERN STATES OWENTON COOPERATIVE	3.1	12.0	13.2	103
6806	SOUTHERN STATES LAGRANGE COOPERATIVE	3.1	11.8	12.4	101
7043	DEATON BROTHERS FARM SERVICE	3.2	11.9	12.9	103
7104	SOUTHERN STATES HOPKINSVILLE COOP.	3.0	12.0	12.8	102
7461	CATLETTSBURG FARMERS SUPPLY COMPANY	3.1	11.9	12.1	100
<i>4 12 8M</i>					
5777	PERRY COUNTY FARM SUPPLY	3.9	12.1	8.6	101
5778	BURKESVILLE FARMERS EXCHANGE	4.0	12.1	8.6	102
5864	SLAUGHTERS MERCANTILE COMPANY	4.3	11.9	8.7	104
5871	MARSHALL COUNTY SOIL IMPROV. ASSOC.	3.9	12.3	8.7	102
5872	CALLOWAY COUNTY SOIL IMPROV. ASSOC.	4.1	12.1	8.9	103
6283	ANDERSON COUNTY FARM SERVICE	4.0	11.6*	8.8	100
6380	ALLEN COUNTY FARMERS SERVICE	4.1	11.9	8.9	102
6512	MEADE FARMERS SUPPLY	4.0	12.2	8.7	102
6622	REDWINES FARM SUPPLY	4.0	12.3	8.6	103
6631	LIPSCOMB COAL & FEED COMPANY	4.0	11.7*	8.5	100
6677	WASHINGTON FARM SERVICE	4.1	12.0	8.6	102
6688	LORETTO CASH VARIETY STORE	4.1	12.0	8.8	102
6860	TRI COUNTY FARM SUPPLY	4.1	11.9	8.6	102
6892	SOUTHERN STATES CARLISLE COOPERATIVE	4.1	12.0	8.5	102
7040	OWSLEY FARM SERVICE	4.1	11.9	8.6	102
7168	PERRY COUNTY FARM SUPPLY	4.1	11.5*	9.9	103
7279	ALLEN COUNTY FARMERS SERVICE	4.2	12.2	8.5	103
7306	PRESTONSBURG FARM & HOME STORE	4.3	11.6*	8.9	102
7480	SOUTHERN STATES CAMPBELL COOPERATIVE	4.0	12.2	8.1	101
<i>5 10 50M</i>					
7188	FIELDS GRAIN & FEED COMPANY	5.0	8.5*	6.0	95*
<i>5 10 10M</i>					
5863	SLAUGHTERS MERCANTILE COMPANY	4.9	10.3	10.2	101
5883	SOUTHERN STATES OWENSBORO COOP.	4.9	10.1	10.5	101
5888	SOUTHERN STATES HENDERSON COOP.	5.1	10.2	10.2	102
5938	MAGOFFIN FARMERS SUPPLY	5.0	10.1	10.5	102
5975	MONTICELLO FARMERS SUPPLY COMPANY	5.2	9.9	10.9	103
5985	SOUTHERN STATES ASHLAND COOPERATIVE	5.0	9.5*	10.7	99
5996	SOUTHERN STATES CARLISLE COOP.	5.1	9.5*	10.5	100
6030	SOUTHERN STATES MAYSVILLE COOP.	4.9	9.8	10.9	100
6062	SOUTHERN STATES CAMPBELL COOPERATIVE	5.0	9.4*	10.4	98
6077	SOUTHERN STATES BARDSTOWN COOP.	5.1	10.5	10.5	104
6086	STEWART & COMPANY	4.9	10.2	10.6	102
6367	SOUTHERN STATES SIMPSON COOPERATIVE	4.9	9.9	10.4	100
6509	MEADE FARMERS SUPPLY	4.9	10.4	10.4	102
6632	LIPSCOMB COAL & FEED COMPANY	5.1	9.7*	10.6	101
6745	JACKSON COUNTY FARM SERVICE	4.9	9.9	10.1	99
6835	SOUTHERN STATES SHELBYVILLE COOP.	5.2	9.4*	10.8	100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>COOPERATIVE FERTILIZER CONTINUED</i>					
<i>5 10 10M CONTINUED</i>					
7039	TAYLOR FARM SERVICE	5.2	10.4	10.5	104
7200	GAMALIEL FARMERS SERVICE NO. 2	5.1	9.7*	10.6	101
7462	CATLETTSBURG FARMERS SUPPLY COMPANY	5.0	10.0	10.2	100
7605	SOUTHERN STATES HARDIN COOPERATIVE	5.1	9.9	10.6	102
7614	SOUTHERN STATES LEITCHFIELD COOP.	6.0	9.9	10.5	107
<i>5 10 15S</i>					
5769	SOMERSET SOUTHERN STATES COOPERATIVE	5.0	10.7	15.4	104
5771	RICHMOND FARM SERVICE	5.0	10.8	15.3	104
5869	SLAUGHTERS MERCANTILE COMPANY	5.1	10.2	15.3	102
5877	GRAVES COUNTY SOIL ASSOCIATION	5.1	10.2	16.0	103
5889	SOUTHERN STATES HENDERSON COOP.	5.1	10.4	15.2	102
5901	SOUTHERN STATES BOYLE COOPERATIVE	5.1	10.4	15.7	104
5909	HENRY COUNTY FARM & HOME SERVICE	5.0	10.2	15.4	102
5912	SOUTHERN STATES LAGRANGE COOP.	5.1	10.3	16.1	104
5939	MAGOFFIN FARMERS SUPPLY	4.9	11.2	14.8	104
5951	JACKSON COUNTY FARM SERVICE	5.1	10.2	15.5	102
5995	SOUTHERN STATES CARLISLE COOP.	6.0	10.2	15.5	108
6028	SOUTHERN STATES FLEMINGSBURG COOP.	4.9	10.1	15.8	101
6033	SOUTHERN STATES MAYSVILLE COOP.	4.7*	10.8	15.2	102
6063	SOUTHERN STATES CAMPBELL COOPERATIVE	4.6*	11.3	14.9	103
6257	SHELBYVILLE SOUTHERN STATES COOP.	5.0	10.1	15.8	102
6281	ANDERSON COUNTY FARM SERVICE	5.0	10.0	15.4	101
6296	TRIMBLE COUNTY FARM BUREAU COOP.	5.1	10.3	15.5	103
6370	SOUTHERN STATES SIMPSON COOPERATIVE	5.0	10.4	14.9	101
6548	BROOKSVILLES FARM SUPPLY	5.1	10.3	16.2	104
6626	CARROLL COUNTY FARM BUREAU COOP.	5.0	10.4	15.2	102
6722	SOUTHERN STATES OWENTON COOPERATIVE	5.1	10.5	15.4	103
6732	TEATER & CASSITY	5.2	10.5	15.6	104
6919	EDMONSON COUNTY COOPERATIVE	5.2	10.3	15.9	104
7131	GEORGE ASHCRAFT	5.2	10.2	15.4	103
7287	SOUTHERN STATES GLASGOW COOPERATIVE	5.0	10.5	15.5	103
<i>6 6 18S</i>					
5907	SOUTHERN STATES HARRODSBURG COOP.	6.0	6.6	18.2	103
5994	SOUTHERN STATES CARLISLE COOP.	6.5	6.7	18.1	102
6027	SOUTHERN STATES FLEMINGSBURG COOP.	5.7*	6.1	18.7	100
6031	SOUTHERN STATES MAYSVILLE COOP.	5.6*	6.6	19.2	102
6214	SOUTHERN STATES LEXINGTON COOP.	5.9	6.1	18.6	101
6300	CARROLL COUNTY FARM BUREAU COOP.	5.7*	6.2	19.6	102
6630	LIPSCOMB COAL & FEED COMPANY	5.9	6.9	18.2	104
6731	TEATER & CASSITY	6.0	6.0	19.6	103
7086	CARROLL COUNTY FARM BUREAU COOP.	5.7*	6.7	18.5	102
7230	CLARENCE HUTCHERSON	6.2	6.7	17.8	104
7381	HANCOCK COUNTY FARM SUPPLY	6.2	6.0	18.5	102
7578	TEATER & CASSITY	6.0	6.2	18.7	102
<i>6 8 6S</i>					
5870	SLAUGHTERS MERCANTILE COMPANY	6.0	8.1	6.3	101
5880	SOUTHERN STATES OWENSBORO COOP.	6.0	8.3	6.4	102
5890	SOUTHERN STATES HENDERSON COOP.	6.0	8.3	6.0	102
5902	SOUTHERN STATES BOYLE COOPERATIVE	6.1	8.3	6.6	104
5940	MAGOFFIN FARMERS SUPPLY	6.0	8.3	6.6	103
6021	LINCOLN FARM SERVICE	6.2	8.0	6.8	104
6036	SOUTHERN STATES MAYSVILLE COOP.	6.1	8.2	6.6	103
6061	SOUTHERN STATES CAMPBELL COOP.	5.7*	8.3	6.5	100
6087	STEWART & COMPANY	5.9	8.4	6.5	102
6227	AMBURGERS FARM SUPPLY	5.8	8.4	6.4	102
6325	MATTHEW D KENNEDY	5.8	8.4	6.7	102
6381	ALLEN COUNTY FARMERS SERVICE	5.9	8.6	6.5	104
6510	MEADE FARMERS SUPPLY	5.9	8.4	7.6	105
6613	MORGAN FARMERS STORE	6.1	7.9	6.5	102
6648	SOUTHERN STATES GEORGETOWN COOP.	5.9	8.9	6.5	105
6818	SOUTHERN STATES LOUISVILLE COOP.	6.0	8.1	6.7	102
6836	SOUTHERN STATES SHELBYVILLE COOP.	6.0	8.2	6.5	102
7038	TAYLOR FARM SERVICE	6.4	8.5	4.6*	102
7604	MUSES GENERAL STORE	6.0	8.0	6.3	101
<i>8 8 8M</i>					
5865	SLAUGHTERS MERCANTILE COMPANY	7.7*	8.3	8.7	105
5918	SOUTHERN STATES LOUISVILLE COOP.	7.9	8.4	8.7	100
6017	RALPH HOVIOUS	7.9	8.7	8.7	104



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>COOPERATIVE FERTILIZER CONTINUED</i>					
<i>8 8 8M CONTINUED</i>					
6115	SOUTHERN STATES CRITTENDEN COOP.	7.9	8.3	8.6	102
6215	SOUTHERN STATES LEXINGTON COOP.	7.9	8.3	8.5	102
6549	AUGUSTA FARM SUPPLY	8.0	8.3	8.5	102
<i>33.5 AMMONIUM NITRATE</i>					
5665	CARMARGO FARMERS SUPPLY	33.3			99
<i>20 SUPERPHOSPHATE</i>					
6351	SOUTHERN STATES BOWLING GREEN COOP.		20.5		103
<i>48 SULFATE OF POTASH</i>					
6229	AMBURGEYS FARM SUPPLY			48.2	100
<i>48.6 SULFATE OF POTASH</i>					
5772	RICHMOND FARM SERVICE			49.5	102
<i>49 SULFATE OF POTASH</i>					
6641	SOUTHERN STATES HARRODSBURG COOP.			49.9	102
<i>50 SULFATE OF POTASH</i>					
6022	LINCOLN FARM SERVICE			50.5	101
6316	SOUTHERN STATES CYNTHIANA COOP.			50.1	100
<i>51 SULFATE OF POTASH</i>					
5892	HARDINBURG FARMERS SERVICE STORE			51.1	100
5911	SOUTHERN STATES GEORGETOWN COOP.			51.6	101
6278	HENRY COUNTY FARM & HOME SERVICE			51.7	101
<i>52 SULFATE OF POTASH</i>					
6029	SOUTHERN STATES FLEMINGSBURG COOP.			52.2	100
6034	SOUTHERN STATES MAYSVILLE COOP.			52.0	100
6238	BOURBON FARM SERVICE			52.3	101
6282	ANDERSON COUNTY FARM SERVICE			51.8	100
6396	SOUTHERN STATES GLASGOW COOPERATIVE			52.1	100
6611	MORGAN FARMERS STORE			52.0	100
<i>60 MURIATE OF POTASH</i>					
5879	SOUTHERN STATES OWENSBORO COOP.			60.1	100
5913	KENTUCKY STATE REFORMATORY			59.9	100
5969	SOUTHERN STATES SOMERSET COOPERATIVE			60.0	100
6064	SOUTHERN STATES CAMPBELL COOP.			61.4	102
6211	SOUTHERN STATES LEXINGTON COOP.			60.4	101
6237	BOURBON FARM SERVICE			60.9	102
6317	SOUTHERN STATES CYNTHIANA COOP.			60.8	101
6853	ROCKCASTLE FARM SERVICE			62.0	103
6907	MORRISON & WALLACE			61.5	102
7105	SOUTHERN STATES HOPKINSVILLE COOP.			60.8	101
7157	BOURBON FARM SERVICE			60.6	101
<i>DARLING &amp; CO.</i>					
<i>4 12 8M</i>					
6130	LOVELACEVILLE FEED MILL	4.2	11.8	8.7	102
6978	THERON KENDALL	4.3	12.0	8.7	104
6982	KEVIL FEED & SUPPLY COMPANY	4.2	12.3	10.5	108
<i>5 10 10S</i>					
6125	BALLARD COUNTY COOPERATIVE	4.8	10.5	10.1	101
6131	LOVELACEVILLE FEED MILL	4.6*	11.7	10.8	(1) 107
6984	KEVIL FEED & SUPPLY COMPANY	4.9	10.7	9.5*	101

(1) EXCESS MURIATE EQUIVALENT TO 1.4% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<i>DARLING &amp; CO. CONTINUED</i>					
6126	48.6 SULFATE OF POTASH BALLARD COUNTY COOPERATIVE			52.2	107
<i>DAVISON CHEMICAL CORP NASHVILLE TENN.</i>					
6541	0 14 7M YOUNG SEED HOUSE		14.0	8.2	103
6378	0 20 20M GILLESPIE SEED COMPANY		20.5	20.0	102
6921	J. B. HATCHER COMPANY		16.7*	18.6*	87*
6375	2 12 6M GILLESPIE SEED COMPANY	2.2	11.7*	7.3	104
6934	DEWEY STRICKLER	3.0	12.1	7.1	112
6356	3 9 6M SMITHS GROVE FARMERS HAY & SEED CO.	2.9	10.0	6.5	107
7280	ALLEN COUNTY FARMERS SERVICE	3.6	9.3	7.0	110
6106	3 12 12M MORGANFIELD HARDWARE COMPANY	3.0	12.0	12.1	100
6183	MADISONVILLE FARMERS COOPERATIVE	2.9	12.1	12.0	100
7017	C. S. BRENT SEED COMPANY	3.4	11.5*	12.1	101
6230	4 12 4M C. S. BRENT SEED COMPANY	4.1	11.4*	5.4	101
6184	4 12 8M MADISONVILLE FARMERS COOPERATIVE	4.3	12.0	7.8	102
6437	SMITH & REYNOLDS COMPANY	4.0	12.1	9.7	104
6936	DEWEY STRICKLER	4.0	11.6*	8.9	100
7334	H. T. BARTLEY	4.0	12.8	7.1*	102
5417	4 16 16M STOCKTON BROTHERS	4.2	15.8	16.8	102
6179	CORBIN BENNETT FARM SUPPLY	4.3	16.5	15.4*	102
6185	MADISONVILLE FARMERS COOPERATIVE	4.1	16.0	14.2*	98
6376	GILLESPIE SEED COMPANY	4.0	15.8	13.8*	96*
6955	WABASH ELEVATOR COMPANY	4.2	15.6*	17.4	102
6355	5 10 10M SMITHS GROVE FARMERS HAY & SEED CO.	5.1	9.9	10.8	102
6522	FRANK SNODGRASS ESTATE	4.8	10.3	9.8	100
7335	5 10 10S H. T. BARTLEY	4.8	11.4	10.8	107
6187	5 10 15S MADISONVILLE FARMERS COOPERATIVE	5.0	10.4	14.7*	101
6232	C S BRENT SEED COMPANY	5.4	10.2	15.6	104
6256	GENTRY MCCAULEY	5.2	10.3	15.3	103
6503	GRAYS & BISHOP	5.2	10.1	15.6	103
6600	FULKERSON BROTHERS	5.2	10.2	14.0*	100
6937	DEWEY STRICKLER	5.8	10.5	15.0	107
7283	GRAYS & BISHOP	5.3	10.1	15.3 (1)	103

(1) EXCESS MURIATE EQUIVALENT TO 3.8% POTASH



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>DAVISON NASHVILLE CONTINUED</i>					
	<i>5 20 20M</i>				
6472	T. W. MOORE & SON	5.3	20.6	19.9	103
7196	STOCKTON BROTHERS	5.5	20.2	22.4	106
	<i>6 8 6M</i>				
6177	CORBIN BENNETT FARM SUPPLY	5.7*	8.9	6.8	104
6438	SMITH & REYNOLDS COMPANY	5.1*	10.3	6.8	107
6523	FRANK SNODGRASS ESTATE	5.1*	7.5*	12.8	108
7336	H. T. BARTLEY	5.8	8.8	6.7	104
	<i>6 8 6S</i>				
6091	UPTON FARMERS SUPPLY	6.1	8.1	6.7	103
6188	MADISONVILLE FARMERS COOPERATIVE	6.3	8.2	7.5 (1)	107
6231	C. S. BRENT SEED COMPANY	5.9	8.2	6.8	102
6255	GENTRY MCCAULEY	5.9	8.5	7.2	105
6504	GRAYS & BISHOP	6.1	7.9	6.5	102
6524	FRANK SNODGRASS ESTATE	6.1	8.1	6.6	103
6902	UPTON FARMERS SUPPLY COMPANY	• 5.7*	9.9	7.7 (2)	112
	<i>6 12 12M</i>				
6186	MADISONVILLE FARMERS COOPERATIVE	5.8	12.5	11.2*	99
6439	SMITH & REYNOLDS COMPANY	5.9	12.2	12.3	101
	<i>8 8 8M</i>				
6473	T. W. MOORE & SON	7.9	8.5	8.0	101
	<i>10 10 10M</i>				
6178	CORBIN BENNETT FARM SUPPLY	10.0	10.1	10.7	102
6377	GILLESPIE SEED COMPANY	9.8	10.6	10.4	102
6935	DEWEY STRICKLER	9.2*	10.2	10.3	97*
	<i>12 12 12M</i>				
6471	T. W. MOORE & SON	8.8*	12.6	11.9	88*
6938	DEWEY STRICKLER	11.3*	12.5	11.9	98
	<i>33.5 AMMONIUM NITRATE</i>				
6182	CORBIN BENNETT FARM SUPPLY	34.1			102
6189	MADISONVILLE FARMERS COOPERATIVE	32.1*			96*
6233	C. S. BRENT SEED COMPANY	33.8			101
	<i>20 SUPERPHOSPHATE</i>				
6092	UPTON FARMERS SUPPLY		20.6		103
6357	FARMERS HAY & SEED COMPANY		20.9		105
6961	MAXWELL ICE & COAL		20.3		102
7016	C. S. BRENT SEED COMPANY		20.3		102
7284	GRAYS & BISHOP		21.0		105
	<i>45 SUPERPHOSPHATE</i>				
6176	LAND O NAN WAREHOUSE		44.1*		98
	<i>50 SULFATE OF POTASH</i>				
6234	C. S. BRENT SEED COMPANY			51.6 (3)	103
	<i>60 MURIATE OF POTASH</i>				
6190	MADISONVILLE FARMERS COOPERATIVE			61.6	103
6922	J. B. HATCHER COMPANY			58.4*	97*

(1) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 3.2% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>DAVISON CHEMICAL CORP. NEW ALBANY IND.</i>					
	<i>0 25 25M</i>				
6486	WILLIAM FISCHER		24.1*	26.2	99
6858	BRASHEARS MARKET		26.1	23.6*	101
	<i>2 12 6M</i>				
6924	R. D. REYNOLDS	4.7	13.0	14.2	151
	<i>3 12 12M</i>				
6159	HENDERSON FEED & COMMISSION COMPANY	3.3	11.6*	13.1	103
6483	WILLIAM FISCHER	3.1	11.6*	12.4	100
6808	BUECHEL PRODUCE EXCHANGE	3.2	11.3*	13.4	101
6872	JOE WILLIS	3.1	11.3*	12.6	99
	<i>4 12 8M</i>				
6169	EVERETT WOOSLEY GENERAL MERCHANDISE	3.8	12.4	7.1*	98
6871	JOE WILLIS	4.1	10.8*	8.5	96*
6904	E. S. FERRILL HARDWARE	4.3	10.7*	9.4	99
	<i>4 16 16M</i>				
6482	WILLIAM FISCHER	4.2	15.4*	16.7	100
7247	JEWELL & HAYDON HARDWARE	4.2	15.2*	16.7	100
	<i>5 10 15S</i>				
6247	SUMMERHAYES LUMBER COMPANY	5.4	10.4	15.1 (1)	104
6294	DILLARD STANLEY	5.0	10.2	15.3 (2)	101
6487	WILLIAM FISCHER	5.2	10.1	15.5	103
6755	EARLY DAY	4.9	10.1	15.0 (3)	100
6842	CLIMAX ROLLER MILLS	5.3	10.1	15.4 (4)	103
7159	SUMMERHAYES LUMBER & COAL COMPANY	4.6*	10.6	16.6 (5)	103
7193	E. R. REXROAT	5.2	10.1	15.6 (6)	103
7272	WILBUR BROWN	5.0	10.7	16.4 (7)	106
	<i>5 20 20M</i>				
6488	WILLIAM FISCHER	5.1	20.0	20.7	101
	<i>6 6 18S</i>				
6261	CLIMAX ROLLER MILLS	5.9	7.2	16.2*	101
7015	C. S. BRENT SEED COMPANY	5.9	6.8	18.3	103
7160	SUMMERHAYES LUMBER & COAL COMPANY	5.7*	6.2	19.6 (8)	102
7240	MORGAN & CRENSHAW	5.9	8.4	18.0 (9)	109
	<i>6 8 6M</i>				
6807	BUECHEL PRODUCE EXCHANGE	5.9	8.0	6.7	101
	<i>6 8 6S</i>				
5967	LOVETT BROTHERS	5.9	8.5	6.8 (10)	104
6756	EARLY DAY	6.0	8.4	6.3	103
6810	BUECHEL PRODUCE EXCHANGE	6.3	8.2	6.8	105
6843	CLIMAX ROLLER MILLS	6.2	8.3	6.6	104
6925	R. D. REYNOLDS	6.0	8.5	6.6 (11)	104
	<i>12 12 12M</i>				
6489	WILLIAM FISCHER	11.6*	12.7	13.0	102
6859	BRASHEARS MARKET	11.4*	13.0	12.1	100
	<i>33.5 AMMONIUM NITRATE</i>				
5894	WILLIAM FISCHER	33.6			100
	<i>60 MURIATE OF POTASH</i>				
6809	BUECHEL PRODUCE EXCHANGE			59.6	99

- (1) EXCESS MURIATE EQUIVALENT TO 1.9% POTASH  
(2) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH  
(3) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
(4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH  
(5) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH  
(6) EXCESS MURIATE EQUIVALENT TO 2.8% POTASH  
(7) EXCESS MURIATE EQUIVALENT TO 1.4% POTASH  
(8) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH  
(9) EXCESS MURIATE EQUIVALENT TO 1.9% POTASH  
(10) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH  
(11) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>J. H. ERBRICH PRODUCTS COMPANY</u>					
7216	6 18 6M LIQUID LIBERTY HARDWARE COMPANY	6.1	18.8	6.8	104
7220	CASEY COUNTY FARM SERVICE	6.1	18.6	6.5	103
<u>ELIZABETHTOWN ANHYDROUS AMMONIA CO.</u>					
7201	82 ANHYDROUS AMMONIA ELIZABETHTOWN ANHYDROUS AMMONIA CO.	82.0			100
<u>ELIZABETHTOWN FERTILIZER CO.</u>					
7753	0 12 12M ELIZABETHTOWN FERTILIZER COMPANY		11.5*	11.5*	96
6593	2 12 6M ELIZABETHTOWN FERTILIZER COMPANY	2.3	12.7	7.8	112
6594	3 12 12M ELIZABETHTOWN FERTILIZER COMPANY	3.6	9.6*	12.9	95*
7624	KENTUCKY BAPTIST ORPHANAGE	3.9	10.0*	11.8	97
7751	ELIZABETHTOWN FERTILIZER COMPANY	3.4	13.1	12.8	109
6597	4 8 12M ELIZABETHTOWN FERTILIZER COMPANY	4.0	8.6	11.9	103
6595	4 12 8M ELIZABETHTOWN FERTILIZER COMPANY	4.0	11.5*	8.6	104
6596	4 16 16M ELIZABETHTOWN FERTILIZER COMPANY	3.9	16.5	16.1	101
6598	5 10 10M ELIZABETHTOWN FERTILIZER COMPANY	5.1	10.3	10.4	103
7752	5 10 15S ELIZABETHTOWN FERTILIZER COMPANY	5.3	10.2	15.6	110
7754	8 8 8M ELIZABETHTOWN FERTILIZER COMPANY	7.7*	8.1	8.3	99
<u>FEDERAL CHEMICAL CO. COLUMBUS OHIO</u>					
6669	5 10 10M TWELFTH STREET FEED STORE	5.0	9.9	10.0	100
<u>FEDERAL CHEMICAL CO. HENDERSON TENN.</u>					
6103	0 20 20M RUARK TRUCK LINES		19.5*	21.1	100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
<u>FEDERAL CHEMICAL CO. HUMBOLDT TENN.</u>		(Percent)	(Percent)	(Percent)	
4 12 8M					
6417	SEDALIA FEED MILL	4.5	11.9	8.8	105
6418	J. B. JORDAN & SON	4.0	12.3	8.2	102
4 12 8S					
6969	EARL WARDS MILL	4.1	12.9	8.8 (1)	107
5 10 15S					
6970	EARL WARDS MILL	5.7	10.0	14.9 (2)	104
6975	E. B. THOMPSON GROCERY & MILL	5.1	10.1	16.0	103
6 8 6M					
6463	L. W. GLISSON	6.1	8.3	7.1	105
6 12 12M					
6971	EARL WARDS MILL	5.7*	12.4	11.7*	99
6976	E. B. THOMPSON GROCERY & MILL	6.3	11.7*	12.1	101
8 8 8M					
6973	E. B. THOMPSON GROCERY & MILL	7.1*	9.3	9.3	102
10 10 10M					
6972	EARL WARDS MILL	9.3*	9.9	12.2	100
50 SULFATE OF POTASH					
6974	E. B. THOMPSON GROCERY & MILL			51.9	104
<u>FEDERAL CHEMICAL CO. LOUISVILLE KY.</u>					
0 20 20M					
5973	DUNNINGTON MILLING COMPANY		19.5*	20.0	98
6236	LEXINGTON WAREHOUSE FEDERAL CHEMICAL		20.0	21.1	102
7255	HARDINBURG FARMERS SERVICE STORE		20.0	21.3	102
7452	T. W. HUDGINS		19.9	20.0	100
2 12 6M					
6080	GRAYSON COUNTY FARM SUPPLY	2.2	12.2	6.4	104
6196	CARL J. HAGMAN	3.1	11.9	7.4	112
6273	ELLISTON MAHONEY	2.6	11.9	7.4	108
6398	C. E. THOMERSON MILLING COMPANY	2.4	12.1	6.7	106
6587	BROWN SUPPLY COMPANY	2.8	11.5*	7.3	108
6599	RICHARDSON FEED COMPANY	3.3	11.4*	8.9	116
7253	J. E. CARTER	2.4	11.6*	6.0	101
7617	GRAYSON COUNTY SUPPLY COMPANY	2.1	11.7*	6.5	101
3 9 6M					
6050	RHODES BROTHERS	3.2	9.4	7.3	108
6168	EVERETT WOOSLEY GENERAL STORE	3.2	8.9	6.8	104
6220	A. C. BOGIE	3.7	10.4	7.4	119
6331	JACKSON WHOLESALE COMPANY	3.2	8.9	6.8	104
6343	MEADE AND COMPANY	3.6	9.6	7.5	114
6403	CARL J. HAGMAN	3.1	9.4	6.9	106
6717	HOWARD MCDONALD	3.2	9.1	7.0	105
7041	CAMPBELL GROCERY	3.1	8.9	6.9	103
7062	P. J. HONAKER	3.6	9.0	6.6	107
7616	GRAYSON COUNTY SUPPLY COMPANY	3.0	9.1	6.5	102
7632	THE BIG STORE	3.2	9.8	6.8	109
3 9 27M					
6149	HENDERSON WAREHOUSE FEDERAL CHEMICAL	3.0	9.3	26.3*	100
6832	CHARLES IRION	2.4*	8.9	27.6	97

(1) EXCESS MURIATE EQUIVALENT TO 1.0% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>FEDERAL LOUISVILLE CONTINUED</i>					
	3 12 12M				
5920	LYNN FLOOD	2.8	12.0	12.4	100
5966	J. B. BARNES	3.0	11.6*	12.0	98
6076	VICTOR E FISTER	3.3	12.0	12.8	104
6198	CARL J. HAGMAN	3.2	11.5*	11.1*	97
6397	C E THOMERSON MILLING COMPANY	3.1	11.5*	12.2	99
6740	FIECHTER HARDWARE COMPANY	2.9	11.4*	12.5	98
7079	C. M. COLLIS	3.3	11.2*	12.7	100
7185	BELL GROCERY	3.2	11.6*	12.8	101
7474	MEADE & COMPANY	2.9	11.6*	12.0	98
	4 12 4M				
6857	TRIPLETTS STORE	3.8	11.5*	5.7	100
	4 12 8M				
6199	CARL J. HAGMAN	4.3	11.3*	8.7	100
6235	LEXINGTON WAREHOUSE FEDERAL CHEMICAL	4.3	11.9	8.4	102
6400	C. E. THOMERSON MILLING COMPANY	4.4	11.9	8.6	104
7018	LEXINGTON WAREHOUSE FEDERAL CHEMICAL	4.5	11.4*	8.2	101
	4 16 16M				
6151	HENDERSON WAREHOUSE FEDERAL CHEMICAL	4.3	16.2	16.4	103
7019	LEXINGTON WAREHOUSE FEDERAL CHEMICAL	4.4	15.9	15.4*	101
	5 10 15S				
5921	LYNN FLOOD	5.1	10.6	16.2	105
5926	A. C. BOGIE	4.8	10.4	15.9 (1)	102
6000	G. W. EDMONDS HARDWARE	4.9	10.5	16.1	104
6043	J. F. BERTRAM & SON	5.2	10.1	16.2	104
6051	RHODES BROTHERS	5.2	10.0	16.1	103
6200	CARL J. HAGMAN	5.0	10.2	15.8 (2)	102
6265	CARTERS SUPPLY COMPANY	5.9	10.4	16.0	109
6271	BENSON VALLEY MILLING COMPANY	5.0	10.3	15.5	102
6272	ELLISTON MAHONEY	5.0	10.1	15.6	102
6313	FLOYD G. BARLOW	4.9	10.3	16.0	103
6344	MEADE AND COMPANY	5.1	10.1	15.6	102
6583	GRAYSON COUNTY SUPPLY COMPANY	4.8	10.7	13.2*(3)	98
6686	TRAPPIST MONASTERY	5.0	10.4	15.6	102
6716	HOWARD MCDONALD	5.2	10.2	16.0	104
6739	FIECHTER HARDWARE COMPANY	5.3	10.7	15.8	106
6910	ALLEN & JENKINS	4.7*	10.6	14.7*	100
7014	LEXINGTON WAREHOUSE FEDERAL CHEMICAL	5.3	10.3	16.0	105
7064	P. J. HONAKER	5.0	10.5	16.3	105
7080	C. M. COLLIS	5.2	10.4	15.4	104
7204	DAN HENDRIX	5.0	10.2	15.7	102
7234	LOCKES GROCERY	5.2	10.7	15.7	105
7292	C. E. THOMERSON MILLING COMPANY	5.0	10.5	16.0	104
	5 20 20M				
6154	HENDERSON WAREHOUSE FEDERAL CHEMICAL	4.7*	21.6	20.0	103
6399	C. E. THOMERSON MILLING COMPANY	4.9	20.0	20.1	100
	6 6 18S				
5925	VICTOR E. FISTER	6.1	6.2	17.5*	100
6042	J. F. BERTRAM & SON	5.2*	9.0	16.5*	104
6270	BENSON VALLEY MILLING COMPANY	5.8	6.5	18.5	102
6314	FLOYD G. BARLOW	5.1*	8.3	17.3*(4)	102
6702	MAYES HELM & COYLE	5.9	6.5	18.9	103
7057	HERBERT NEWMAN	6.3	6.5	18.2	104
7100	EDWARD CORBIN	5.8	6.8	18.5	103
	6 8 6M				
6332	JACKSON WHOLESALE COMPANY	6.0	8.5	6.7	104
6742	ROY BLACK	6.0	8.9	7.0	107
6826	HALL SEED COMPANY	5.6*	9.1	7.1	105

(1) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>FEDERAL LOUISVILLE CONTINUED</u>					
<u>6 8 6M CONTINUED</u>					
7035	M. C. ROBERTS COAL & FEED	6.1	8.3	6.7	104
7349	EATON & GIBBS	5.9	8.7	6.5	104
7714	LOYD ALEXANDER	6.2	9.4	8.0	114
<u>6 8 6S</u>					
5415	E. R. REXROAT	5.6*	8.6	7.2 (1)	103
5663	BENSON VALLEY MILLING COMPANY	5.9	8.1	6.4	101
6041	J. F. BERTRAM & SON	5.8	8.5	7.5 (2)	105
6219	A. C. BOGIE	5.6*	8.9	7.8 (3)	106
6401	CARL J. HAGMAN	5.8	8.2	6.7 (4)	101
6582	GRAYSON COUNTY SUPPLY COMPANY	5.8	8.3	6.9	102
6701	MAYES HELM & COYLE	5.9	8.3	7.0	103
6708	W G FEATHER & SON	5.7*	9.0	8.1 (5)	108
7033	HARDY BROTHERS	6.0	8.2	6.2	102
7063	P. J. HONAKER	5.9	8.2	6.6	102
7165	BREWER & BEASLEY	6.0	8.1	7.8	105
7221	LEAR & BALLARD	7.1	8.3	7.5	114
<u>10 10 10M</u>					
6687	TRAPPIST MONASTERY	10.1	10.5	10.5	103
6825	HALL SEED COMPANY	10.0	10.4	10.3	102
7078	C. M. COLLIS	10.2	10.5	10.1	103
7631	THE BIG STORE	10.3	10.5	10.2	104
<u>16 NITRATE OF SODA</u>					
6333	JACKSON WHOLESALE COMPANY	16.0			100
<u>20 SUPERPHOSPHATE</u>					
6197	CARL J. HAGMAN		20.5		102
<u>50 SULFATE OF POTASH</u>					
5965	THE MIDGET MILLS			50.4	100
6264	CARTERS SUPPLY COMPANY			51.6	103
6391	H. D. JONES			51.3	103
6402	CARL J. HAGMAN			51.5	103
7061	P. J. HONAKER			52.0 (6)	104
<u>FEDERAL CHEMICAL CO. NASHVILLE TENN.</u>					
<u>0 9 27M 4LB BORAX PER 100</u>					
6147	HENDERSON WAREHOUSE FEDERAL CHEMICAL(7)		9.5	26.0*	100
<u>0 12 12M</u>					
6908	ALLEN & JENKINS		12.2	11.0*	98
<u>0 20 20M</u>					
6148	HENDERSON WAREHOUSE FEDERAL CHEMICAL		20.0	20.4	100
<u>2 12 6M</u>					
6359	ALLEN & JENKINS	3.0	11.7*	7.6	111
<u>3 9 6M</u>					
7338	COOK & MOORE	3.5	9.2	6.9	108
(1)	EXCESS MURIATE EQUIVALENT TO 0.6% POTASH				
(2)	EXCESS MURIATE EQUIVALENT TO 0.5% POTASH				
(3)	EXCESS MURIATE EQUIVALENT TO 1.1% POTASH				
(4)	EXCESS MURIATE EQUIVALENT TO 0.5% POTASH				
(5)	EXCESS MURIATE EQUIVALENT TO 1.0% POTASH				
(6)	EXCESS MURIATE EQUIVALENT TO 1.0% POTASH				
(7)	BORON GUARANTEED 0.56%-----FOUND 0.50%				



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>FEDERAL NASHVILLE CONTINUED</u>					
7329	3 12 6M CLAY & JOHNSON	3.3	11.6*	8.0	105
6150	3 12 12M HENDERSON WAREHOUSE FEDERAL CHEMICAL	2.9	11.6*	11.6*	97
6538	TAYLOR COUNTY IMPLEMENT COMPANY	3.5	12.0	12.3	104
7337	COOK & MOORE	2.7*	12.0	11.9	98
6181	4 12 8M CORBIN BENNETT FARM SUPPLY	4.5	11.7*	9.2	105
6440	W. C. BROOKS	4.8	11.0*	9.2	104
6909	ALLEN & JENKINS	4.2	10.2*	7.7*	92*
6152	4 16 16M HENDERSON WAREHOUSE FEDERAL CHEMICAL	4.0	15.3*	14.5*	95*
7277	5 10 10M PARIS PRODUCE COMPANY	4.8	10.0	10.2	99
6180	5 10 15S CORBIN BENNETT FARM SUPPLY	4.7*	10.2	15.0	99
6443	W. C. BROOKS	5.4	10.2	13.9*(1)	101
7197	STOCKTON BROTHERS	4.8	10.2	15.1 (2)	100
6153	5 20 20M HENDERSON WAREHOUSE FEDERAL CHEMICAL	4.4*	18.6*	19.9	94*
6441	6 12 12M W. C. BROOKS	6.6	11.4*	12.6	102
5782	8 8 8M COOK & MOORE	6.6*	8.1	7.9	91*
6155	10 10 10M HENDERSON WAREHOUSE FEDERAL CHEMICAL	9.1*	9.7*	9.8	94*
6442	W. C. BROOKS	9.3*	9.5*	10.5	96*
6539	20 SUPERPHOSPHATE TAYLOR COUNTY IMPLEMENT COMPANY		20.2		101
<u>HUTSON CHEMICAL COMPANY</u>					
6419	3 12 12M HUTSON CHEMICAL COMPANY	3.2	11.7*	12.9	102
6421	4 12 8M HUTSON CHEMICAL COMPANY	4.4	12.0	8.7	104
6474	FARMERS GIN COMPANY	4.4	12.1	8.9	105
6425	4 12 8S HUTSON CHEMICAL COMPANY	4.0	12.0	8.9	102
6423	5 10 15S HUTSON CHEMICAL COMPANY	5.1	10.3	14.9	102
6422	5 20 20M HUTSON CHEMICAL COMPANY	5.1	20.6	20.4	103
6967	GEORGE PATMOR & SON	5.2	19.7*	19.9	100

(1) EXCESS MURIATE EQUIVALENT TO 2.8% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.6% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>HUTSON CHEMICAL CONTINUED</u>					
	6 12 12M				
6420	HUTSON CHEMICAL COMPANY	5.8	11.9	125	99
6475	FARMERS GIN COMPANY	5.9	11.7*	126	99
<u>INTERNATIONAL MIN. &amp; CHEM. CARLSBAD</u>					
	48.6 SULFATE OF POTASH				
6692	LEBANON CARRIAGE & IMPLEMENT COMPANY			52.3	108
6703	MAYES HELM & COYLE			52.1	107
6730	C. T. ASHLEY & COMPANY			49.9 (1)	103
6784	H. E. SELLERS			48.8	100
	60 MURIATE OF POTASH				
6798	DAWSON FEED & SUPPLY			61.0	102
<u>INTERNATIONAL MIN. &amp; CHEM. GREENVILLE</u>					
	3 9 6M				
7181	HARLAN FRUIT COMPANY	3.0	9.5	65	105
	5 10 5M				
7182	HARLAN FRUIT COMPANY	4.8	9.8	55	99
<u>INTERNATIONAL MIN. &amp; CHEM. CHICAGO</u>					
	50 SUPERPHOSPHATE				
6354	PEOPLES ICE & COAL COMPANY		50.2		100
	48.6 SULFATE OF POTASH				
6895	DOUGLAS MCLONEY			52.4	108
6916	SMITHS GROVE FARMERS HAY & SEED CO.			49.2	101
7022	FAYETTE SEED COMPANY			50.9	105
<u>INTERNATIONAL MIN. &amp; CHEM. CINCINNATI</u>					
	2 12 6M				
7310	J. E. MCGAHAN COMPANY	2.0	11.7*	91	107
7469	J. T. LAWSON HARDWARE COMPANY	2.1	11.9	86	108
7479	BAKER & HULLEY	2.0	11.3*	75	100
	3 9 6M				
6349	W. J. AMBURGEY	3.1	8.9	72	104
	3 12 12M				
6769	LEWIS COUNTY FARM SUPPLY	3.2	11.9	11.9	101
7312	J. E. MCGAHAN COMPANY	3.4	12.8	12.3	107
7320	J. C. ELDRIDGE	3.2	13.2	11.2*	105
7478	BAKER & HULLEY	3.5	11.6*	12.0	102
	4 12 8M				
6350	W. J. AMBURGEY	4.0	11.4*	9.9	102
6567	TONY BEZOLD	3.9	11.5*	9.3	100
7303	D. M. MURPHY & COMPANY	3.3*	12.0	8.8	97
7707	WHEELERS GENERAL MERCHANDISE	3.2*	11.9	8.0	94*

(1) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<i>INTERNATIONAL CINCINNATI CONTINUED</i>					
<i>4 12 8S</i>					
7136	R. H. EWING & SON	4.5	11.6*	9.2 (1)	104
7471	J. T. LAWSON HARDWARE COMPANY	4.6	12.0	8.3	105
7473	BOYD ANDERSON	4.3	11.9	7.8	101
7708	WHEELERS GENERAL MERCHANDISE	4.4	11.9	7.7*(2)	102
<i>5 10 10M</i>					
7311	J. E. MCGAHAN COMPANY COMPANY	5.3	10.0	10.5	103
7318	J. C. ELDRIDGE	5.1	10.3	10.1	102
7472	J. T. LAWSON HARDWARE COMPANY	5.1	9.9	11.4	103
7623	A. T. HAYES & SON HARDWARE	5.5	9.8	11.3	105
<i>5 10 15S</i>					
6348	W. J. AMBURGEY	4.5*	10.2	15.2	98
6559	BIG FOUR FEED STORE	4.5*	10.5	15.1	99
6592	BURNETTS IMPLEMENT COMPANY	5.2	10.2	14.6*(3)	101
6678	SPRINGFIELD FEED & GRAIN COMPANY	4.4*	10.4	14.7*	97
6767	LEWIS COUNTY FARM SUPPLY	6.5	9.2*	13.5*	103
6846	BARNETT SULLIVAN COMPANY	6.6	9.5*	15.9	109
7137	R. H. EWING & SON	6.6	10.0	15.4 (4)	110
7302	D. M. MURPHY & COMPANY	6.3	9.7*	15.3 (5)	107
<i>5 20 20M</i>					
7488	COOPER BROTHERS FEED STORE	5.1	18.7*	19.9	97*
<i>6 6 18S</i>					
6558	BIG FOUR FEED STORE	5.5*	6.8	18.0 (6)	100
7715	OWINGSVILLE FARMERS SUPPLY	5.4*	9.6	15.9*(7)	107
<i>6 8 6S</i>					
6286	MIDWAY FARM SUPPLIES	6.1	8.8	6.4	106
6347	W. J. AMBURGEY	5.5*	8.2	7.1 (8)	100
6680	SPRINGFIELD FEED & GRAIN COMPANY	5.5*	10.3	8.0 (9)	113
6768	LEWIS COUNTY FARM SUPPLY	6.1	7.5*	8.5 (10)	104
7468	J. T. LAWSON HARDWARE COMPANY	6.5	7.8	6.1	103
7489	COOPER BROTHERS FEED STORE	6.1	8.2	6.7 (11)	104
<i>6 12 12 3M 9S</i>					
6884	WALKER GREER	6.1	11.3*	12.3 (12)	99
7317	J. C. ELDRIDGE	5.2*	11.8	11.9 (13)	95*
7467	J. T. LAWSON HARDWARE COMPANY	6.3	11.1*	12.5	99
7490	COOPER BROTHERS FEED MILL	6.2	11.6*	12.1 (14)	100
<i>10 10 10M</i>					
6591	BURNETTS IMPLEMENT COMPANY	9.8	11.9	12.2	109
7470	J. T. LAWSON HARDWARE COMPANY	8.6*	10.7	11.6	98
7706	WHEELERS GENERAL MERCHANDISE	10.9	9.9	10.8	106
7716	OWINGSVILLE FARMERS SUPPLY	8.5*	10.9	12.6	100
<i>20 SUPERPHOSPHATE</i>					
5789	WOODSON LEWIS		21.2		106
5961	G. M. SANDIDGE		20.7		103
6770	LEWIS COUNTY FARM SUPPLY		20.6		103
(1)	EXCESS MURIATE EQUIVALENT TO 1.5% POTASH				
(2)	EXCESS MURIATE EQUIVALENT TO 0.3% POTASH				
(3)	EXCESS MURIATE EQUIVALENT TO 0.7% POTASH				
(4)	EXCESS MURIATE EQUIVALENT TO 0.9% POTASH				
(5)	EXCESS MURIATE EQUIVALENT TO 0.8% POTASH				
(6)	EXCESS MURIATE EQUIVALENT TO 1.2% POTASH				
(7)	EXCESS MURIATE EQUIVALENT TO 1.4% POTASH				
(8)	EXCESS MURIATE EQUIVALENT TO 1.2% POTASH				
(9)	EXCESS MURIATE EQUIVALENT TO 3.1% POTASH				
(10)	EXCESS MURIATE EQUIVALENT TO 0.4% POTASH				
(11)	EXCESS MURIATE EQUIVALENT TO 0.6% POTASH				
(12)	EXCESS MURIATE EQUIVALENT TO 1.4% POTASH				
(13)	EXCESS MURIATE EQUIVALENT TO 1.2% POTASH				
(14)	EXCESS MURIATE EQUIVALENT TO 1.2% POTASH				

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>INTERNATIONAL CINCINNATI CONTINUED</u>					
<u>20 SUPERPHOSPHATE CONTINUED</u>					
7138	R. H. EWING & SON		20.4		102
7319	J. C. ELDRIDGE		20.8		104
7717	OWINGSVILLE FARMERS SUPPLY		20.5		103
<u>INTERNATIONAL MIN. &amp; CHEM. CLARKSVILLE</u>					
7267	3 9 6M WRIGHT IMPLEMENT COMPANY	3.0	9.0	6.9	103
7266	3 12 12M WRIGHT IMPLEMENT COMPANY	3.0	12.3	12.6	103
6134	5 10 15S OWENSBORO FARMERS COOPERATIVE STORE	4.7*	10.2	15.6	100
6427	ROSS FEED COMPANY	4.8	10.5	15.1	101
7268	WRIGHT IMPLEMENT COMPANY	4.7*	10.5	15.1	100
7265	5 20 20M WRIGHT IMPLEMENT COMPANY	4.9	20.2	20.0	100
6135	6 8 6S OWENSBORO FARMERS COOPERATIVE STORE	5.9	8.3	7.6 (1)	105
6136	48.6 SULFATE OF POTASH OWENSBORO FARMERS COOPERATIVE STORE			50.3	103
<u>INTERNATIONAL MIN. &amp; CHEM. SOMERSET</u>					
6873	0 12 12M GIBSON FARM & HOME SERVICE		12.6	12.8	106
5963	2 12 6M SOMERSET FARMERS SUPPLY	2.2	12.3	6.4	104
6726	CRAB ORCHARD LUMBER COMPANY	2.1	13.3	6.5	109
7427	BUCKHORN COAL COMPANY	2.2	12.3	6.4	104
7206	3 9 6S G. M. SANDIDGE & SON	2.8	9.8	7.6 (2)	108
5964	3 12 12M SOMERSET FARMERS SUPPLY	3.0	12.5	12.8	104
7621	JONES BROTHERS GENERAL MERCHANDISE	3.0	12.3	11.9	101
6013	4 12 8M W. S. ALLEN & COMPANY	4.0	12.0	8.0	100
7215	W. S. ALLEN & COMPANY	4.2	12.4	8.1	103
7295	WOODSON LEWIS	3.9	12.8	8.0	103
7296	4 12 8S WOODSON LEWIS	3.9	11.9	8.5	100
7297	5 10 15S WOODSON LEWIS	4.9	10.5	14.8	101
7346	BROWN FARM SUPPLY	4.9	10.5	15.3	102
7428	BUCKHORN COAL COMPANY	5.1	10.2	15.9	103

(1) EXCESS MURIATE EQUIVALENT TO 1.3% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.4% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>INTERNATIONAL SOMERSET CONTINUED</i>					
5 20 20M					
6024	BAUGHMAN MILLING COMPANY	4.9	19.6*	20.8	100
6506	U. L. ROGERS & SONS	5.0	19.5*	21.0	100
6 12 12M PESTICIDE CHLORDANE					
5779	BURKESVILLE FARMERS EXCHANGE	5.1*	12.2	11.9	96*
6 12 12M PESTICIDE ALDRIN					
7036	IRVINE FARM & HOME SUPPLY	5.7*	12.5	12.1	100
10 10 10M					
7208	SOMERSET FARMERS SUPPLY CORPORATION	10.0	10.1	10.1	100
<i>KENTUCKY FERTILIZER WORKS</i>					
0 12 12M 2LB BORAX PER 100					
7457	WELLMAN HARDWARE (1)		12.0	11.9	100
0 20 20M					
6684	HAYDON COAL & OIL COMPANY		20.0	20.1	100
3 9 6M					
6340	PIKEVILLE MERCHANTS GROCERY COMPANY	3.2	7.9*	6.9	98
6601	CHARLES CORNWELL	3.2	7.6*	7.1	97
7163	STEVE ROSE	3.3	8.3*	7.1	102
3 12 12M					
5943	EARL MURRAY	3.3	11.6*	13.8	104
7025	S. E. WILLS	3.2	11.7*	12.5	101
7458	WELLMAN HARDWARE	3.1	11.7*	12.4	100
4 6 15S					
7164	STEVE ROSE	4.1	6.1	15.2	102
4 12 8M					
7455	WELLMAN HARDWARE	4.4	11.6*	8.1	101
4 12 8S					
6880	TUSSEY WHITLOCK	4.2	12.1	8.0	102
5 10 10M					
5979	L. F. WELLMAN HARDWARE	5.0	10.0	10.4	101
6341	PIKEVILLE MERCHANTS GROCERY COMPANY	5.2	9.9	9.8	100
6674	ASHLAND GROCERY COMPANY	5.4	9.9	9.7*	102
5 10 15S					
5942	EARL MURRAY	4.8	10.6	14.4*	100
5981	L. F. WELLMAN HARDWARE	4.9	10.6	14.6*	101
6602	CHARLES CORNWELL	5.0	10.5	14.6*	101
7027	ROBINSON & TURLEY	5.1	10.4	14.8	102
7152	S. E. WILLS	5.3	9.9	15.5	102
6 6 18S					
6683	HAYDON COAL & OIL COMPANY	6.1	6.5	17.7*	102
7026	ROBINSON & TURLEY	6.0	6.3	18.2	102
6 8 6M					
6339	PIKEVILLE MERCHANTS GROCERY COMPANY	6.1	8.0	6.4	102
6673	ASHLAND GROCERY COMPANY	6.2	7.7*	6.9	102
6685	HAYDON COAL & OIL COMPANY	6.2	7.6*	6.4	100
7314	SANDY VALLEY GROCERY COMPANY	6.3	7.7*	6.4	102

(1) BORON GUARANTEED 0.22%-----FOUND 0.22%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>KENTUCKY FERTILIZER WORKS CONTINUED</u>					
	6 8 6S				
6603	CHARLES CORNWELL	6.3	8.2	6.2	104
6658	ROY H VICE	6.3	7.9	6.3	102
7093	ELKHORN SUPPLY COMPANY	5.5*	8.8	5.8 (1)	100
7162	STEVE ROSE	6.3	7.7*	6.1	101
	6 8 16S				
7155	RANKIN BARNETT	6.3	7.9	17.0	103
7161	STEVE ROSE	6.3	8.1	16.6	103
	6 12 12M				
7705	J. A. OLDFIELD	6.2	11.9	12.4	101
	10 10 10M				
5980	L. F. WELLMAN HARDWARE	10.4	9.9	10.9	103
6682	HAYDON COAL & OIL COMPANY	10.5	9.7*	10.8	103
7028	ROBINSON & TURLEY	10.3	9.5*	11.2	102
	20 SUPERPHOSPHATE				
6667	L. F. WELLMAN HARDWARE		20.6		103
7456	WELLMAN HARDWARE		20.0		100
<u>KNOXVILLE FERTILIZER CO. LONDON KY.</u>					
	0 20 20M				
6005	A. P. VAUGHT & COMPANY		18.2*	20.8	95*
6337	CARTER AND SADLER		18.7*	21.5	98
7169	WHITESBURG FARM SERVICE		20.0	20.0	100
	2 12 6M				
5962	ROSCOE MORRIS	2.4	12.5	6.2	107
	3 9 6M				
6006	A. P. VAUGHT & COMPANY	2.9	9.6	6.9	105
6338	CARTER AND SADLER	3.2	9.7	7.2	110
6346	PAINTSVILLE GROCERY	2.9	9.9	5.9	104
6618	BLAIR WHOLESALE GROCERY COMPANY	2.7*	9.2	6.0	98
6856	BAIRD & BRUMMETT	2.7*	9.0	5.9	97
7176	CRAFT GROCERY	3.2	9.5	7.3	109
7350	JELlico GROCERY	3.2	9.2	6.7	105
	3 9 6S				
6001	HOBART & MILTON ROBERTS	3.0	9.2	6.3 (2)	102
6834	W. J. HULETTE	3.4	9.6	6.8	110
6847	BARNETT SULLIVAN COMPANY	3.0	9.3	6.6	104
7238	G. M. TAYLOR SEED COMPANY	3.3	9.5	6.3	107
	3 9 18S				
6833	ALEX COHORN	3.2	8.9	19.1	103
	3 12 12M				
5796	SHIPP SEED HOUSE	3.1	11.6*	13.0	101
7177	CLAY COUNTY FARM SERVICE	3.0	12.0	12.2	100
	3 12 12M 3LB BORAX PER 100				
6848	BARNETT SULLIVAN COMPANY (3)	2.9	12.3	13.1	103
	4 8 12S				
6785	H. E. SELLERS	4.4	8.4	13.3	108

(1) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(3) BORON GUARANTEED 0.34%-----FOUND 0.47%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>KNOXVILLE LONDON CONTINUED</i>					
	<i>4 12 4M</i>				
5423	CURTIS & MCCOMAS	4.3	11.5*	4.4	101
6020	SAUFLEY & BELL HARDWARE	4.3	11.2*	4.7	100
7024	FAYETTE SEED COMPANY	4.4	11.3*	4.4	100
	<i>4 12 8M</i>				
6741	SHERMAN BERGE	3.7*	10.6*	8.0	92*
6862	PATRICK STORE	4.0	11.7*	8.4	100
6870	BECKHAM GARLAND	4.0	11.5*	8.5	99
7236	G. M. TAYLOR SEED COMPANY	4.3	11.8	8.9	103
	<i>4 12 8S</i>				
7345	MOUNT VERNON PRODUCE COMPANY	4.2	12.3	8.6 (1)	104
	<i>5 10 5M</i>				
6336	CARTER AND SADLER	4.9	10.7	5.4	104
6855	BAIRD & BRUMMETT	5.0	10.2	4.8	100
7047	HAZARD CASH WHOLESALE GROCERY	5.0	10.4	5.7	104
7174	CAMPBELL WHOLESALE	5.0	9.9	5.4	100
	<i>5 10 10M</i>				
6866	WILDERS STORE	5.0	9.9	10.4	100
	<i>5 10 10M PESTICIDE CHLORDANE</i>				
6335	CARTER AND SADLER	4.8	9.6*	10.2	97
6345	PAINTSVILLE GROCERY	4.9	9.9	10.0	99
7046	HAZARD CASH WHOLESALE GROCERY	4.8	9.6*	10.0	97
7179	JELLICO GROCERY	5.1	9.4*	10.1	98
7451	ROWAN FARMERS SUPPLY	5.9	10.8	11.0	112
	<i>5 10 15S</i>				
5954	WILLIAM KEETON	5.2	10.3	16.1	105
6787	D. H. THOMAS	5.5	9.6*	16.7	105
6850	BARNETT SULLIVAN COMPANY	5.1	10.6	15.5	104
7023	FAYETTE SEED COMPANY	5.6	10.0	15.9	105
7239	G. M. TAYLOR SEED COMPANY	5.2	10.2	15.5	103
7703	BLAIR WHOLESALE GROCERY COMPANY	5.0	10.0	15.9	102
7713	LOYD ALEXANDER	5.0	10.1	15.4	101
	<i>5 20 20M</i>				
7170	WHITESBURG FARM SERVICE	4.8	19.3*	21.7	100
	<i>6 6 18S</i>				
6786	D. H. THOMAS	5.9	6.7	18.0	102
7021	FAYETTE SEED COMPANY	5.8	6.6	16.6*	98
7051	BARNETT SULLIVAN & COMPANY	5.9	6.6	18.3	102
7099	WADE HINTON	6.0	7.7	18.1	107
	<i>6 8 6M</i>				
6849	BARNETT SULLIVAN COMPANY	5.8	8.7	7.4	106
6877	KIDD BROTHERS GROCERY	5.7*	8.0	7.1	100
	<i>6 8 6S</i>				
6617	BLAIR WHOLESALE GROCERY COMPANY	5.9	7.9	7.0	101
6749	SANDERS SUPPLY	6.1	8.1	6.7	103
7020	FAYETTE SEED COMPANY	6.1	8.5	6.9	106
7029	MADISON FARMERS SUPPLY	6.2	8.8	6.7	107
7704	BLAIR WHOLESALE GROCERY COMPANY	6.3	8.4	6.5	106
	<i>8 8 8M</i>				
7711	LOYD ALEXANDER	7.6*	8.7	8.5	101
	<i>10 6 4M</i>				
6642	G. M. TAYLOR SEED COMPANY	10.0	6.9	5.4	107
6748	SANDERS SUPPLY	9.9	7.2	4.6	106

(1) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>KNOXVILLE LONDON CONTINUED</u>					
	10 10 10M				
7052	BARNETT SULLIVAN & COMPANY	10.2	10.5	10.6	104
7237	G. M. TAYLOR SEED COMPANY	9.6*	11.4	10.6	104
7475	PAINTSVILLE GROCERY	10.2	10.4	11.3	104
7712	LOYD ALEXANDER	9.7*	10.6	10.8	102
	33.5 AMMONIUM NITRATE				
6643	G. M. TAYLOR SEED COMPANY	33.5			100
	20 SUPERPHOSPHATE				
5424	CURTIS & MCCOMAS		20.9		105
6736	CASS & CASH		21.0		105
	48 SULFATE OF POTASH				
6639	BARNETT SULLIVAN & COMPANY			51.9	108
	60 MURIATE OF POTASH				
6640	BARNETT SULLIVAN & COMPANY			60.7	101
<u>KNOXVILLE FERTILIZER CO. KNOXVILLE</u>					
	0 12 12M				
7212	A. P. VAUGHT & COMPANY		12.4	12.3	103
	0 20 20M				
7171	LEWIS WHOLESAL COMPANY		18.6*	18.2*	92*
7213	A. P. VAUGHT & COMPANY		17.2*	17.5*	86*
	3 9 6M				
6533	HAGAN & STONE	3.2	9.2	6.2	104
7172	LEWIS WHOLESAL COMPANY	3.3	10.0	6.4	110
	5 10 5M				
7173	LEWIS WHOLESAL COMPANY	5.0	10.8	6.0	106
	6 8 6S				
6532	HAGAN & STONE	5.9	8.5	6.8 (1)	104
	20 SUPERPHOSPHATE				
7219	KENNEDY SUPPLY COMPANY		20.6		103
	62 CALCIUM METAPHOSPHATE				
7379	YOUNG BROTHERS FEED STORE		62.0		100
<u>KNOXVILLE FERTILIZER CO NASHVILLE</u>					
	0 12 12M				
6364	BOWLING GREEN FARMERS FEED MARKET		12.9	13.4	109
	0 20 20M				
6363	FARMERS FEED MARKET		19.2*	19.3*	96*
	2 12 6M				
6941	HARRIS FEED COMPANY	2.4	12.8	6.2	108

(1) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<i>KNOXVILLE NASHVILLE CONTINUED</i>					
	<i>2 12 12M 3LB BORAX PER 100</i>				
6447	WYNDALLS FARM STORE (1)	2.4	12.3	11.9	104
6912	BOWLING GREEN FARMERS FEED MARKET (2)	2.7	11.5*	12.2	103
7376	YOUNG BROTHERS FEED STORE (3)	2.8	11.9	12.0	105
	<i>3 9 6M</i>				
7377	YOUNG BROTHERS FEED STORE	3.2	10.5	6.5	112
	<i>3 9 6S</i>				
5897	WYNDALLS FARM STORE	3.1	10.1	6.4	109
6927	CAVE CITY MILLS	3.3	10.2	6.9 (4)	113
7343	JACK SHIRLEY HARDWARE	3.7	10.0	7.0 (5)	115
	<i>3 9 18S</i>				
7149	ALLEN COUNTY MILL	3.3	9.5	17.8	104
7378	YOUNG BROTHERS FEED STORE	3.2	9.4	17.5*	102
	<i>3 12 12M</i>				
6444	WYNDALLS FARM STORE	3.2	12.0	12.8	103
6466	BUGG BROTHERS FEED & SUPPLY	3.3	11.9	12.3	102
	<i>4 8 8M</i>				
5898	WYNDALLS FARM STORE	3.5*	9.2	8.6	104
	<i>4 12 8M</i>				
6362	FARMERS FEED MARKET	3.9	12.1	7.9	100
6467	BUGG BROTHERS FEED & SUPPLY	4.1	11.7*	8.3	100
	<i>4 12 8S</i>				
6120	YOPP SEED COMPANY	4.1	11.9	8.1	100
6913	BOWLING GREEN FARMERS FEED MARKET	4.1	11.6*	8.6	100
	<i>4 16 16M</i>				
7382	WYNDALLS FARM STORE	3.8	17.1	15.8	102
	<i>5 10 5M</i>				
5896	WYNDALLS FARM STORE	4.9	11.3	5.9	108
6122	YOPP SEED COMPANY	5.2	12.0	6.3	115
	<i>5 10 10M</i>				
6117	YOPP SEED COMPANY	5.0	10.6	9.9	102
	<i>5 10 15S</i>				
6445	WYNDALLS FARM STORE	5.1	10.4	15.5	103
	<i>6 8 4M</i>				
5899	WYNDALLS FARM STORE	5.6*	8.2	5.6	102
6123	YOPP SEED COMPANY	5.5*	8.3	5.7	102
	<i>6 8 6M</i>				
5900	WYNDALLS FARM STORE	5.3*	9.4	7.8	106
6118	YOPP SEED COMPANY	5.1*	8.5	6.9	98
	<i>6 8 6S</i>				
6119	YOPP SEED COMPANY	5.8	8.5	6.6	102
6446	WYNDALLS FARM STORE	5.1*	8.4	6.8	97

(1) BORON GUARANTEED 0.34%-----FOUND 0.31%

(2) BORON GUARANTEED 0.34%-----FOUND 0.38%

(3) BORON GUARANTEED 0.34%-----FOUND 0.33%

(4) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>KNOXVILLE NASHVILLE CONTINUED</u>					
6468	6 12 12M BUGG BROTHERS FEED & SUPPLY	6.1	12.0	12.4	101
5895	8 8 4M WYNDALLS FARM STORE	6.0*	9.3	5.9	97
6945	10 6 4M BABB & ROBERTSON COMPANY	10.7	7.6	4.0	112
6469	10 10 10M BUGG BROTHERS FEED & SUPPLY	9.3*	11.0	10.9	101
6121	20 SUPERPHOSPHATE YOPP SEED COMPANY		19.0*		95
6534	HAGAN & STONE		19.8		99
6124	48 SULFATE OF POTASH YOPP SEED COMPANY			49.1	102
<u>LAND O NAN WAREHOUSE STURGIS KY.</u>					
6995	0 20 20M LAND O NAN WAREHOUSE		17.8*	20.8	94*
6996	0 30 30M LAND O NAN WAREHOUSE		29.2*	29.8	98*
6997	3 12 12M LAND O NAN WAREHOUSE	3.1	12.4	11.4*	101
6998	4 16 16M LAND O NAN WAREHOUSE	4.4	17.0	15.9	105
6999	5 10 10M LAND O NAN WAREHOUSE	4.8	10.7	9.7*	101
7358	5 20 20M BENNY DYER	5.1	22.2	18.2*	104
7352	6 8 6M LAND O NAN WAREHOUSE	5.7*	8.6	6.6	102
7353	6 12 12M LAND O NAN WAREHOUSE	5.9	12.1	13.0	102
7354	10 20 20M LAND O NAN WAREHOUSE	5.7*	19.5*	20.5	85*
7355	12 12 12M LAND O NAN WAREHOUSE	8.9*	11.4*	12.4	86*
7357	15 15 15M LAND O NAN WAREHOUSE	13.4*	17.2	16.6	101
7359	60 MURIATE OF POTASH LAND O NAN WAREHOUSE			60.9	102



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>LAND O NAN WAREHOUSE CONTINUED</u>					
7356	0 28 22M BILL BROWN		27.8*	20.4*	97*
7000	4 12 20S NAT ROBINSON	4.0	15.3	20.1	109
7351	8 24 16M LAND O NAN WAREHOUSE	7.7*	22.8*	16.9	97
<u>LION OIL CO.</u>					
6156	33.5 AMMONIUM NITRATE HENDERSON WAREHOUSE FEDERAL CHEMICAL	33.6			100
6288	RALPH BERRY	33.6			100
8060	82 ANHYDROUS AMMONIA KENTUCKY FARM CHEMICAL & SERVICE	82.0			100
<u>LOUISVILLE FERTILIZER CO.</u>					
7286	3 12 6M H. D. JONES	2.9	12.5	5.9	102
7285	5 10 15S H. D. JONES	5.2	10.8	14.9	104
<u>MATHIESON CHEMICAL CORP. HOUSTON TEX.</u>					
6485	6 24 24M OWENSBORO FARMERS COOPERATIVE STORE	6.9	25.5	24.0	106
6939	GILLESPIE SEED COMPANY	6.5	24.0	24.7	102
6940	10 20 20M GILLESPIE SEED COMPANY	9.8	19.8	21.6	101
6484	13 13 13M OWENSBORO FARMERS COOPERATIVE STORE	13.1	13.1	13.9	102
7375	YOUNG BROTHERS FEED STORE	13.1	13.0	13.7	101
7117	13 39 0 SHAKER SEED & FEED COMPANY	13.3	39.2		101
7118	16 8 8M SHAKER SEED & FEED COMPANY	16.3	8.7	8.9	104
<u>MID SOUTH CHEMICAL COMPANY</u>					
8051	82 ANHYDROUS AMMONIA SEBREE FARM CHEMICAL COMPANY	82.0			100
8052	MORGANFIELD FARM CHEMICAL COMPANY	82.0			100
8053	HANSON FARM CHEMICAL COMPANY	82.0			100
8054	MURRAY FARM CHEMICAL COMPANY	82.0			100
8055	HICKORY FARM CHEMICAL COMPANY	82.0			100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>MIDSOUTH CHEMICAL CONTINUED</u>					
	82 ANHYDROUS AMMONIA				
8056	GRACEY FARM CHEMICAL COMPANY	82.0			100
8057	TRENTON FARM CHEMICAL COMPANY	82.0			100
8058	HOPKINSVILLE FARM CHEMICAL COMPANY	82.0			100
8059	SOUTH UNION FARM CHEMICAL COMPANY	82.0			100
8061	BOWLING GREEN FARM CHEMICAL COMPANY	82.0			100
<u>MISSISSIPPI CHEMICAL CORPORATION</u>					
	33.5 AMMONIUM NITRATE				
6083	MORRISON & WALLACE	33.3			99
6239	BOURBON FARM SERVICE	33.5			100
6267	FRANKFORT SOUTHERN STATES COOP	33.7			100
<u>MISSOURI PLANT FOOD CO. INC.</u>					
	3 9 18M				
6990	BARLOW FEED & SEED STORE	3.2	9.0	26.2	120
	3 9 27M				
6991	BARLOW FEED & SEED STORE	3.1	9.0	28.2	103
	3 12 12M				
6989	BARLOW FEED & SEED STORE	3.6	12.3	12.7	107
	4 12 8M				
6415	LYNN GROVE FEED & SEED COMPANY	4.2	12.0	9.3	104
6977	RECORDS GROCERY	4.5	12.2	9.6	108
6979	CAMPBELLS MILL	4.3	12.0	9.4	105
	5 10 10S				
6987	BARLOW FEED & SEED STORE	5.1	10.7	10.7	105
	5 10 15S				
6980	CAMPBELLS MILL	4.8	10.8	15.4	103
	6 8 6S				
6129	COOPER SEED & FEED STORE	5.9	8.6	6.8	104
	6 12 12M				
6416	LYNN GROVE FEED & SEED COMPANY	6.1	12.2	12.8	103
	8 8 8M				
6988	BARLOW FEED & SEED STORE	8.1	8.2	8.6	103
	50 SULFATE OF POTASH				
6470	BUGG BROTHERS FEED, & SUPPLY			52.2 (1)	104
	60 MURIATE OF POTASH				
6128	COOPER SEED & FEED STORE			60.1	100

(1) EXCESS MURIATE EQUIVALENT TO 5.4% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>NATIONAL CHEMICAL CO.</u>					
5798	3 12 12M SHIPP SEED HOUSE	3.1	12.4	11.1*	100
5799	20 SUPERPHOSPHATE SHIPP SEED HOUSE		19.9		100
<u>NITROGEN FERTILIZER SERVICE</u>					
7202	82 ANHYDROUS AMMONIA NITROGEN FERTILIZER SERVICE	82.0			100
<u>NORTH AMERICAN FERTILIZER CO.</u>					
7365	0 12 12M RAYMOND TATUM		11.3*	11.0*	93*
6167	0 20 20M FELTY PRODUCE COMPANY		20.1	20.5	101
6796	FROMAN FRY		20.3	19.8	101
6830	CHARLES IRION		20.9	18.8*	101
7607	LEITCHFIELD TRANSFER		21.2	19.8	104
6729	0 20 20S FLETCHER TAYLOR & SON		20.0	21.8	103
5793	2 12 6M HENRY DURHAM & SON	3.2	11.7*	8.8	116
6195	CARL J. HAGMAN	2.3	12.1	6.7	105
7342	METCALFE FARMERS SUPPLY	2.2	12.1	6.1	102
6543	3 9 6M YOUNG SEED HOUSE	3.2	8.6*	6.0	99
6697	J. B. WADE	3.4	9.9	6.0	109
6823	I. L. HANCOCK FEED STORE	3.1	7.9*	6.5	96
6863	RENFRO SUPPLY	3.1	8.9	6.9	103
7299	HENRY DURHAM & SON	3.4	9.1	6.6	106
7339	HAGEN & STONE	3.2	8.7*	6.9	103
7366	RAYMOND TATUM	3.4	9.7	7.0	111
5790	3 12 12M HENRY DURHAM & SON	3.2	11.9	11.8	100
6780	ARLIE COOK	3.6	11.3*	12.9	103
6795	FROMAN FRY	3.6	11.8	11.7*	102
7092	F. G. BURD	3.3	11.9	11.9	101
7189	W. D. CUNNINGHAM	3.1	12.5	11.9	103
7262	B. E. RHODES & SON	3.0	11.5*	12.8	100
7368	RAYMOND TATUM	3.4	12.0	12.2	103
7626	W. J. BOONE	3.3	11.7*	12.1	101
5792	4 8 12S HENRY DURHAM & SON	4.1	8.4	11.4*	101
7091	F. G. BURD	4.0	7.9	11.8 (1)	99
6586	4 12 8M LEITCHFIELD TRANSFER	4.0	12.1	8.3	101
6735	LASWELL MILLING COMPANY	4.2	12.7	8.1	105
6845	FROMAN FRY	3.2*	11.9	8.2	95*
7298	HENRY DURHAM & SON	3.9	12.0	8.7	101
7347	SIMPSONS FEED MILL	4.2	11.8	8.3	101
7367	RAYMOND TATUM	4.0	12.4	8.7	103
7386	ROBERT PENCE	4.3	11.9	8.7	103

(1) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<i>NORTH AMERICAN FERTILIZER CONTINUED</i>					
7387	4 16 16M ROBERT PENCE	4.4	15.9	14.5*	99
7096	5 10 10M ROBERT HERREN	5.0	10.3	9.6*	100
7097	ROBERT HERREN	5.1	8.6*	10.7	96*
7608	LEITCHFIELD TRANSFER	5.6	9.5*	10.0	102
5791	5 10 15S HENRY DURHAM & SON	5.4	10.1	15.0	103
6681	FRANK BALLARD	5.0	10.2	15.2	101
6727	FLETCHER TAYLOR & SONS	5.1	10.0	14.8	100
6779	ARLIE COOK	5.0	10.5	14.8	102
6794	FROMAN FRY	5.0	10.3	15.0	101
7139	R. L. & R. A. THOMPSON	5.3	10.1	14.9	102
7244	HURST FEED & SUPPLY COMPANY	5.7	10.5	14.5*	105
7300	HENRY DURHAM & SON	5.3	10.1	15.3	103
7369	RAYMOND TATUM	5.1	10.6	14.9	103
7388	ROBERT PENCE	5.2	10.1	14.6*	101
7233	5 20 20M PERRY FARMS	5.0	19.8	21.9	102
7232	5 20 20M 5LB BORAX PER 100 PERRY FARMS (1)	4.8	20.5	20.2	101
6194	6 6 18S CARL J. HAGMAN	5.7*	6.1	17.4*(2)	97
6254	RAINBOW COAL COMPANY	5.8	6.3	17.8	100
7098	ROBERT HERREN	6.0	7.0	17.0*	102
6822	6 8 6M FAIRDALE HARDWARE	5.9	8.4	6.0	101
6824	BUNTON SEED COMPANY	6.1	8.4	6.0	103
7370	RAYMOND TATUM	6.0	8.9	6.4	106
6542	6 8 6S YOUNG SEED HOUSE	5.8	8.0	8.6	105
6728	FLETCHER TAYLOR & SONS	6.0	8.4	6.1	102
7371	RAYMOND TATUM	6.0	8.5	5.9	102
6193	10 10 10M CARL J. HAGMAN	9.8	11.0	10.5	103
6374	GILLESPIE SEED COMPANY	10.1	10.2	10.5	102
6531	BURKESVILLE FARMERS FEED MILL	10.0	10.1	10.3	101
7259	ALVY TUCKER	10.2	10.4	10.0	102
7372	RAYMOND TATUM	10.0	10.9	10.3	104
7627	W. J. BOONE	9.8	10.5	10.5	102
7261	20 SUPERPHOSPHATE B. E. RHODES & SON		18.8*		94*
6831	60 MURIATE OF POTASH CHARLES IRION			61.1	102
7263	B. E. RHODES & SON			55.3*	92*
6715	55 MUR OF POTASH 11.4LB BORAX PER 100 W. K. GRAHAM (3)			55.2	100

(1) BORON GUARANTEED 0.56%-----FOUND 0.60%

(2) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(3) BORON GUARANTEED 1.3%-----FOUND 1.3%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>THE OHIO VALLEY FERTILIZER CORP.</u>					
6898	0 14 14M DOUGLAS MCLONEY		14.2	13.5*	100
7002	0 14 14M 3LB BORAX PER 100 ADAMS & MOORE (1)		13.5*	13.7*	97
6665	2 12 6M VIRGIL STALLARD	2.0	11.5*	6.4	98
6752	DENTON MERCANTILE COMPANY	2.2	11.5*	6.5	100
7701	WEST LIBERTY CUT RATE MARKET	2.1	10.7*	6.3	94*
6753	3 12 12M RAYMOND STEWART	3.1	11.6*	12.0	101
6897	DOUGLAS MCLONEY	3.3	11.9	11.5*	100
6253	4 16 4S WOODFORD FEED COMPANY	4.1	15.5*	4.3	99
6656	THE PEOPLES STORE	3.9	15.6*	4.4	99
6666	5 10 10M LOUISA GROCERY	4.7*	10.2	10.0	99
6771	WURTS CHINN & SON	5.1	10.4	9.5*	101
7453	LOUISA GROCERY	5.2	9.7*	10.0	100
7450	5 10 10S BLACK & BALL	4.6*	10.2	10.2	99
6327	5 10 15S WEST LIBERTY CUT RATE MARKET	4.8	10.2	14.7*	99
6675	FRANK L HINTON & SON	5.0	10.1	15.0	100
6754	RAYMOND STEWART	4.8	10.2	15.3	100
7477	BLACK & BELL	4.6*	9.7*	15.5	97
6899	5 15 10M DOUGLAS MCLONEY	4.9	13.7*	10.6	96*
6664	5 10 20S VIRGIL STALLARD	4.5*	10.5	19.9	99
7001	DOUGLAS MCLONEY	4.6*	10.8	19.3*(2)	99
6326	6 8 6S WEST LIBERTY CUT RATE MARKET	5.7*	7.9	6.2	98
6900	DOUGLAS MCLONEY	5.7*	8.2	6.1	99
7702	WEST LIBERTY CUT RATE MARKET	5.7*	8.0	6.5	99
6896	10 10 10M DOUGLAS MCLONEY	9.0*	10.5	9.5*	96*
7476	BLACK & BELL	9.3*	10.3	10.1	98
5671	33.5 AMMONIUM NITRATE SPHAR & COMPANY	33.5			100
6894	20 SUPERPHOSPHATE DOUGLAS MCLONEY		21.0		105
7454	LOUISA GROCERY		21.1		105

(1) BORON GUARANTEED 0.34%-----FOUND 0.44%

(2) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>PRICE CHEMICAL CO.</u>					
	0 12 12M				
6772	FOX BROTHERS		11.8	13.2	102
7077	JAMES HOPKINS		11.9	13.3	103
	0 20 20M				
6107	MARVIN TURNER		19.5*	20.0	98
7153	ROSCOE MEADOWS		20.0	22.2	104
	2 12 6M				
6576	HARDIN COUNTY MILLING COMPANY	2.4	12.9	7.3	112
6911	Y. P. SNELL	2.4	11.9	6.6	104
7330	CLAY & JOHNSON	2.1	13.5	9.5	119
7344	JACK SHIRLEY HARDWARE	2.1	12.2	7.3	106
7433	YOUNGS SEED HOUSE	2.1	12.5	6.5	105
7494	HARDIN COUNTY MILLING COMPANY	2.4	12.8	7.4	112
7499	BROWN SUPPLY COMPANY	2.2	12.3	7.2	107
	3 9 6M				
6605	CHARLES & WILLARD MANN	3.0	9.0	7.3	104
5785	H. T. BARTLEY	2.2*	12.0	12.4	96*
	3 12 12M				
6882	M. B. FOX	2.8	8.5*	6.6	97
7434	YOUNGS SEED HOUSE	3.0	8.6*	7.0	101
7630	PRICE & O'BRYAN	3.0	9.1	7.0	104
	3 12 12M				
7075	JAMES HOPKINS	1.9*	12.8	13.0	98
7275	ALVIE WILMOTH	3.2	11.7*	12.6	101
7492	HARDIN COUNTY MILLING COMPANY	3.0	11.9	13.2	102
7500	BROWN SUPPLY COMPANY	3.0	12.0	11.8	100
	4 12 8M				
6604	CHARLES & WILLARD MANN	4.1	11.9	8.9	102
6819	FRANKES FEED STORE	3.4*	12.0	8.9	98
7327	TRIPLETTS STORE	4.0	11.9	9.1	102
7432	YOUNGS SEED HOUSE	4.1	12.4	7.2*	101
7493	HARDIN COUNTY MILLING COMPANY	3.8	11.9	9.2	101
	4 16 16M				
6108	MARVIN TURNER	3.6*	16.3	17.0	101
	5 10 15S				
6606	CHARLES & WILLARD MANN	5.3	9.5*	12.2*	94*
6774	FOX BROTHERS	5.5	10.0	15.9	105
6883	M. B. FOX	5.3	10.1	16.0	104
7074	M. T. MOODY	5.0	10.5	16.1 (1)	104
7076	JAMES HOPKINS	5.0	10.4	16.2	104
7254	G. T. KASEY	5.0	10.4	15.5	103
	6 6 18S				
6773	FOX BROTHERS	5.1*	7.3	19.0	102
	6 8 8S				
6775	FOX BROTHERS	5.9	7.9	9.2	102
6881	M. B. FOX	6.1	8.0	9.1	108
6887	MONARCH MILLING COMPANY	5.9	8.3	8.7	102
7491	HARDIN COUNTY MILLING COMPANY	5.7*	8.4	9.5	103
7629	PRICE & O'BRYAN	5.7*	8.1	9.1	101
	10 10 10M				
7154	ROSCOE MEADOWS	9.8	10.0	10.5	100
7628	PRICE & O'BRYAN	8.5*	9.9	12.5	96*

(1) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>PRICE CHEMICAL CONTINUED</u>					
	20 SUPERPHOSPHATE				
5668	MONARCH MILLING COMPANY		20.0		100
6811	STOUTS FEED STORE		20.4		102
<u>O. M. SCOTT &amp; SONS CO.</u>					
	9 7 4M				
6813	JACK DAYTON & SON	82*	8.4	52	104
<u>SPENCER CHEMICAL CO.</u>					
	33.5 AMMONIUM NITRATE				
6221	FOX BROTHERS	33.7			101
6928	CAVE CITY MILLS	34.0			101
7615	SOUTHERN STATES LEITCHFIELD COOP.	33.5			100
<u>SWIFT &amp; CO. CHICAGO ILL.</u>					
	3 9 27M				
7362	MORGANFIELD HARDWARE COMAPNY	2.9	9.6	25.8*	99
	3 12 12M				
6269	J W SETTLE FEED STORE	2.8	12.0	12.2	99
6647	MORGAN & CRENSHAW	3.4	11.9	12.0	102
6804	T. W. DUNCAN HARDWARE	3.4	12.1	10.0*	99
7429	SULLIVAN IMPLEMENT COMPANY	3.3	12.8	9.5*	100
	4 8 12S				
6268	J. W. SETTLE FEED STORE	3.9	7.8	13.2	101
6360	ALLEN & JENKINS	3.7*	8.1	12.4	99
6646	MORGAN & CRENSHAW	4.8	10.9	9.0*(1)	113
6805	T. W. DUNCAN HARDWARE	4.2	8.3	12.5	104
6885	MONARCH MILLING COMPANY	4.0	8.0	12.1	100
6931	FRANKLIN FARMERS ELEVATOR	4.0	8.1	13.0	103
7430	SULLIVAN IMPLEMENT COMPANY	4.1	7.9	12.3	101
	4 16 16M				
7364	MORGANFIELD HARDWARE COMAPNY	4.1	14.8*	18.2	100
	6 10 4M				
6710	DANVILLE FARMERS SUPPLY COMPANY	6.0	10.1	4.9	103
	6 10 4S				
6709	DANVILLE FARMERS SUPPLY COMPANY	6.3	11.2	4.5	109
7095	J. W. SETTLE FEED STORE	7.0	10.6	4.0	110
7114	CAYCE & YOST COMPANY	6.4	10.9	4.2	108
	8 8 8M				
7363	MORGANFIELD HARDWARE COMAPNY	7.2*	9.4	8.6	102
	12 12 12M				
6956	MORGANFIELD HARDWARE COMPANY	11.3*	11.9	11.7*	96*
	45 SUPERPHOSPHATE				
7361	MORGANFIELD HARDWARE COMPANY		45.0		100

(1) EXCESS MURIATE EQUIVALENT TO 2.0% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>SWIFT &amp; CO. NATIONAL STOCK YARDS ILL.</u>					
6104	3 12 12M MORGANFIELD HARDWARE COMPANY	3.0	12.4	115*	101
6105	4 16 16M MORGANFIELD HARDWARE COMPANY	4.2	15.6*	15.9	100
5797	5 10 15S SHIPP SEED HOUSE	4.4*	10.2	15.0	97
6426	ROSS FEED COMPANY	4.5*	10.1	15.4	98
6127	6 10 4M BALLARD COUNTY COOPERATIVE	5.7*	10.4	5.9	104
6132	YOPP SEED COMPANY	5.7*	10.0	4.2	98
6217	STANLEY PENN & SONS	6.2	10.4	4.3	104
6645	MORGAN & CRENSHAW	5.9	10.3	4.3	101
6864	THE MITCHELL COMPANY	6.0	9.9	4.6	101
6886	MONARCH MILLING COMPANY	6.3	10.0	3.9	102
7464	LYND HARDWARE	5.8	10.0	4.7	100
6133	6 10 4S YOPP SEED COMPANY	5.9	11.3	3.9	105
<u>SWIFT &amp; CO. NORFOLK VIRGINIA</u>					
7180	6 10 4M HARLAN FRUIT COMPANY	6.1	10.0	4.1	101
<u>TENNESSEE CHEMICAL CO.</u>					
6521	0 12 12M N. T. NUCKOLS		11.9	12.4	101
6519	2 12 6M N. T. NUCKOLS	2.0	11.8	6.3	100
6139	3 9 18S HARRALSON SEED COMPANY	2.9	8.9	17.6*	98
6499	3 12 6M QUALITY GROCERY & HARDWARE COMPANY	3.2	12.1	6.2	103
6514	N. T. NUCKOLS	3.0	12.0	6.1	100
6157	3 12 12M HENDERSON FEED & COMMISSION COMPANY	3.1	11.6*	12.5	100
6500	QUALITY GROCERY & HARDWARE COMPANY	3.0	13.0	11.7*	104
6517	N. T. NUCKOLS	3.1	11.5*	12.1	99
6515	4 12 8M N. T. NUCKOLS	3.8	12.0	8.2	99
6138	5 10 15S HARRALSON SEED COMPANY	5.0	10.1	14.9	100
6951	QUALITY GROCERY & HARDWARE COMPANY	4.6*	10.4	14.6*(1)	98
6158	6 8 6M HENDERSON FEED & COMMISSION COMPANY	5.9	7.4*	5.9	96*
6952	QUALITY GROCERY & HARDWARE COMPANY	5.7*	8.8	6.0	102

(1) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>TENNESSEE CHEMICAL CONTINUED</u>					
6140	6 8 6S HARRALSON SEED COMPANY	6.0	8.0	6.7	102
6923	ELDON WELCH	5.2*	8.3	7.0 (1)	97
6137	6 12 12M HARRALSON SEED COMPANY	5.6*	12.0	12.0	100
6520	N. T. NUCKOLS	5.7*	12.0	12.3	99
6994	10 10 10M HENDERSON FEED & COMMISSION COMPANY	8.9*	10.2	9.6*	94*
6498	20 SUPERPHOSPHATE QUALITY GROCERY & HARDWARE COMPANY		20.4		102
6516	N. T. NUCKOLS		20.9		105
6930	FRANKLIN FARMERS ELEVATOR		20.2		101
<u>TENNESSEE CORP. CINCINNATI OHIO</u>					
7323	0 20 20M UNION GROCERY COMPANY		20.7	17.4*	98
6623	2 12 6M UNION GROCERY COMPANY	2.4	12.1	6.6	106
6671	LYND HARDWARE	2.3	12.1	6.8	105
7324	UNION GROCERY COMPANY	2.2	11.8	6.8	103
6318	3 12 12M H. T. ROBERTS	3.0	12.0	12.9	102
6652	UNION GROCERY COMPANY	3.2	12.0	13.3	104
7081	A. N. ROBINSON	3.0	11.6*	12.1	98
7209	CHARLES M. WARNER	3.0	12.2	12.0	101
7321	UNION GROCERY COMPANY	3.0	11.5*	12.4	99
6319	4 12 8M H. T. ROBERTS	4.1	12.1	8.6	102
7441	FALMOUTH FARM SUPPLY	4.1	11.9	8.0	100
6324	4 12 8S H. T. ROBERTS	4.2	12.0	9.3 (2)	105
6624	UNION GROCERY COMPANY	3.9	11.6*	9.4	101
6851	D. B. SAYLOR	4.0	11.9	9.0	102
7325	UNION GROCERY COMPANY	4.1	12.1	9.0	103
6570	5 10 5M GEORGE W. HILL COMPANY	5.3	10.7	5.8	108
6651	5 10 10M UNION GROCERY COMPANY	5.1	10.5	10.9	105
6670	LYND HARDWARE	5.4	10.0	10.8	104
7322	UNION GROCERY COMPANY	5.0	10.2	11.1	103
6320	5 10 10S H. T. ROBERTS	4.8	10.0	11.2 (3)	101
6672	LYND HARDWARE	5.0	10.1	10.9 (4)	102
5845	5 10 15S RANDALLS FEED STORE	4.9	10.4	15.5 (5)	102
6208	FARMERS FEED MILL	4.8	10.2	15.6	101

(1) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 1.1% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>TENNESSEE CORP. CONTINUED</u>					
5 10 10S CONTINUED					
6321	H. T. ROBERTS	4.8	10.3	14.8	100
6625	UNION GROCERY COMPANY	4.9	10.5	15.4	102
7082	A. N. ROBINSON	4.6*	10.9	14.9 (1)	101
7084	ANDREW MARSH	4.7*	10.5	16.0	102
7227	NORTH PLEASUREVILLE FARM SUPPLY	4.7*	10.4	15.8	101
5 20 20M					
5974	MONTICELLO FARMERS SUPPLY COMPANY	4.3*	19.0*	24.5	101
6 6 18S					
6100	MCCAULEY BROTHERS SEED COMPANY	5.6*	7.0	17.3*	100
6 8 6S					
6322	H. T. ROBERTS	6.0	8.3	7.2 (2)	105
6653	UNION GROCERY COMPANY	5.8	8.9	6.9 (3)	105
10 10 10M					
6750	D. B. SAYLOR	9.7*	10.7	10.9	102
20 SUPERPHOSPHATE					
6323	H. T. ROBERTS		19.9		100
7463	LYND HARDWARE		20.1		100
48 SULFATE OF POTASH					
6209	LEXINGTON FARMERS FEED MILL			48.7	101
6252	MCCAULEY BROTHERS SEED COMPANY			49.0	102
6888	MONARCH MILLING COMPANY			48.0	100
7083	ANDREW MARSH			46.9*	98
7228	NORTH PLEASUREVILLE FARM SUPPLY			46.6*	97*
60 MURIATE OF POTASH					
6554	FALMOUTH FARM SUPPLY			59.8	100
7135	GEORGE F. SEEVERS			60.4	101
<u>TENNESSEE CORP. NEW ALBANY IND.</u>					
0 20 20M					
6840	WALTERS & THOMPSON		20.9	20.6	104
7010	LEXINGTON FARMERS FEED MILL		20.1	20.8	102
7332	FOUNTAIN RUN MILLING COMPANY		20.7	20.0	102
2 12 6M					
5795	I. K. MILLER & SON	2.1	12.1	7.1	104
7271	A. C. PUMPHREY	2.0	12.4	7.1	105
7278	ALLEN COUNTY FARMERS SERVICE	2.1	12.2	7.4	106
3 12 12M					
5414	W. C. BLAIR	3.1	11.9	12.5	101
6009	ELLIOTS STORE	3.0	11.7*	12.5	100
6097	MCCAULEY BROTHERS SEED COMPANY	3.0	11.7*	12.9	101
7008	LEXINGTON FARMERS FEED MILL	3.2	12.0	12.9	103
7634	ICES PRODUCE	3.0	11.8	12.5	100
4 12 8M					
7264	RAY DYER	3.9	12.4	9.1	104
7333	FOUNTAIN RUN MILLING COMPANY	4.1	12.3	8.8	104
7609	LEITCHFIELD TRANSFER	4.0	12.5	8.5	103

(1) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<i>TENNESSEE CORP CONTINUED</i>					
6207	4 12 8S LEXINGTON FARMERS FEED MILL	3.9	11.9	8.6	100
6536	I K MILLER	3.9	11.9	8.5	100
7633	4 16 16M ICES PRODUCE	3.9	16.0	16.9	101
6372	4 24 12M SOUTHERN STATES SIMPSON COOPERATIVE	3.9	23.3*	12.8	99
6933	4 16 16M PESTICIDE ALDRIN SOUTHERN STATES SIMPSON COOPERATIVE	3.9	16.4	16.1	101
6915	5 10 5M PEOPLES FARM SUPPLY	5.3	10.3	5.5	105
6932	SOUTHERN STATES SIMPSON COOPERATIVE	5.8	10.3	6.2	110
6098	5 10 10M MCCAULEY BROTHERS SEED COMPANY	4.8	10.0	10.6	100
6205	LEXINGTON FARMERS FEED MILL	5.0	9.7*	10.9	101
7340	HAGEN & STONE	4.9	9.9	10.4	100
6206	5 10 10S LEXINGTON FARMERS FEED MILL	4.9	10.0	10.0	99
7260	ALVY TUCKER	5.0	10.0	10.2	100
7341	TOMKINSVILLE FARMERS SERVICE STORE	5.0	10.0	10.2	100
5794	5 10 15S I K MILLER & SON	5.0	10.0	15.2	100
6081	LEITCHFIELD TRANSFER	4.9	9.8	15.1	99
6251	MCCAULEY BROTHERS SEED COMPANY	5.0	10.1	15.2	101
6793	G N BUSSEY & SON	5.1	10.0	15.4	101
7610	LEITCHFIELD TRANSFER	5.1	10.2	15.1	102
6008	6 8 6S B C NORRIS	5.9	8.4	6.4	102
6574	COOPER BROTHERS FEED STORE	5.9	7.9	6.3	100
6914	8 8 8M PEOPLES FARM SUPPLY	7.4*	9.0	8.3	101
6099	10 10 10M MCCAULEY BROTHERS SEED COMPANY	9.4*	10.1	10.8	99
6535	I K MILLER	9.7*	10.4	10.5	101
6575	COOPER BROTHERS FEED STORE	9.9	10.0	10.8	101
6584	LEITCHFIELD TRANSFER	9.6*	10.3	10.6	100
6792	G N BUSSEY & SON	9.6*	10.4	10.5	100
7009	LEXINGTON FARMERS FEED MILL	9.7*	10.2	10.4	100
6082	20 SUPERPHOSPHATE LEITCHFIELD TRANSFER		19.9		100
6585	LEITCHFIELD TRANSFER		21.9		110
7270	A C PUMPHREY		20.5		103
6007	48 SULFATE OF POTASH B C NORRIS			48.2	100
6361	60 MURIATE OF POTASH ALLEN & JENKINS			61.4	102

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>THOMPSON SALES COMPANY</u>					
7625	60 MURIATE OF POTASH KENTUCKY BAPTIST ORPHANAGE			60.8	101
<u>TRI STATE CHEMICAL CO.</u>					
6143	3 12 12M TRI STATE CHEMICAL COMPANY PLANT	3.0	12.5	11.6*	101
6142	4 16 16M TRI STATE CHEMICAL COMPANY PLANT	3.9	17.9	16.4	106
6957	MAXWELL ICE & COAL	4.1	15.9	16.5	101
6146	5 20 20M TRI STATE CHEMICAL COMPANY PLANT	4.9	20.6	20.6	102
6958	MAXWELL ICE & COAL	4.8	20.3	20.7	101
6144	6 8 6M TRI STATE CHEMICAL COMPANY PLANT	5.8	8.8	7.2	106
6410	ROBINSON IMPLEMENT & MOTOR COMPANY	6.0	8.8	7.0	106
6145	10 10 10M TRI STATE CHEMICAL COMPANY PLANT	9.4*	11.0	10.4	101
6992	NICHOLSONS SWEET FEED MILL	9.4*	10.7	11.5	102
6160	33.5 AMMONIUM NITRATE HENDERSON FEED & COMMISSION COMPANY	33.3			99
<u>VALLEY COUNTIES OF KY. COOP. INC.</u>					
5874	0 30 30M VALLEY COUNTIES OF KENTUCKY COOP.		30.9	29.6	102
6942	ROBERT JAMES FEED COMPANY		29.5	30.6	100
6968	GEORGE PATMOR & SON		33.6	27.2*	105
6192	47 SUPERPHOSPHATE MADISONVILLE FARMERS COOPERATIVE		48.1		102
5878	61 CALCIUM METAPHOSPHATE GRAVES COUNTY SOIL ASSOCIATION		61.7		101
5885	SOUTHERN STATES OWENSBORO COOP.		60.3*		99
6116	LIVINGSTON COUNTY COOPERATIVE		61.0		100
5876	62 CALCIUM METAPHOSPHATE VALLEY COUNTIES OF KENTUCKY COOP.		62.0		100
6191	MADISONVILLE FARMERS COOPERATIVE		62.2		100
6424	50 SULFATE OF POTASH HUTSON CHEMICAL COMPANY			50.0	100
5875	60 MURIATE OF POTASH VALLEY COUNTIES OF KENTUCKY COOP.			60.4	101



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>VIRGINIA CAROLINA CHEM. HOPKINSVILLE</u>					
6959	0 12 12M MAXWELL ICE & COAL		12.4	12.4	103
6960	0 20 20M MAXWELL ICE & COAL		19.7*	20.5	100
6110	2 12 6M MAXWELL ICE & COAL	2.1	12.4	6.6	105
6111	3 12 12M MAXWELL ICE & COAL	3.2	12.4	12.1	103
7110	VIRGINIA CAROLINA CHEMICAL CORP.	3.2	11.9	12.6	102
6112	4 12 8M MAXWELL ICE & COAL	3.9	12.2	8.9	102
6170	R D SANDEFUR	3.8	12.1	7.9	99
6428	ROSS FEED COMPANY	4.0	12.0	8.5	101
6501	C. E. THOMERSON MILLING COMPANY	3.7*	12.4	8.2	100
7109	5 10 10S VIRGINIA CAROLINA CHEMICAL CORP.	4.9	10.2	10.5	101
6394	5 10 15S THOMERSON MILLING COMPANY	4.9	10.7	14.5*	101
6429	6 8 6M SMITH & REYNOLDS COMPANY	5.8	8.8	6.9	105
7108	VIRGINIA CAROLINA CHEMICAL CORP.	5.9	8.3	6.1	101
6430	6 12 12M SMITH & REYNOLDS COMPANY	6.0	12.0	12.4	101
6113	8 8 8M MAXWELL ICE & COAL	7.7*	9.0	8.6	104
7112	VIRGINIA CAROLINA CHEMICAL CORP.	7.9	8.7	8.6	104
7203	82 ANHYDROUS AMMONIA VIRGINIA CAROLINA CHEMICAL CORP.	82.0			100
6409	20 SUPERPHOSPHATE ROBINSON IMPLEMENT & MOTOR COMPANY		20.7		103
7107	VIRGINIA CAROLINA CHEMICAL CORP.		20.3		102
7111	48 SUL OF POTASH PESTICIDE ALDRIN VIRGINIA CAROLINA CHEMICAL CORP.			47.8	100
7106	60 MURIATE OF POTASH VIRGINIA CAROLINA CHEMICAL CORP.			60.3	100
<u>VIRGINIA CAROLINA CHEM CINCINNATI</u>					
6578	2 12 6M HARDIN COUNTY MILLING COMPANY	2.4	11.9	6.4	104
6507	3 12 12M U. L. ROGERS & SONS	3.2	13.0	10.5*	102
6577	HARDIN COUNTY MILLING COMPANY	3.3	12.5	11.9	104
6844	SHELBY FEED & SEED COMPANY	3.3	12.6	12.4	106
7191	ELFORD HAYES	3.1	12.3	12.3	103

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>VIRGINIA CAROLINA CHEM. CONTINUED</u>					
	4 12 8M				
6875	CASTEEL HARDWARE COMPANY	4.7	10.7*	9.5	102
7316	BRYAN HUNT COMPANY	4.5	12.2	8.3	105
	4 12 8S				
6248	WOODFORD SPEARS & SONS	4.3	12.3	8.9	105
	5 10 10S				
6874	CASTEEL HARDWARE COMPANY	5.3	10.6	9.9	104
7071	DUNNS FARM SERVICE	5.1	11.1	10.2	108
	5 10 15S				
6249	WOODFORD SPEARS & SONS	5.2	10.8	15.4	105
6262	SHELBY FEED & SEED COMPANY	4.8	10.8	14.4*	101
6876	CASTEEL HARDWARE COMPANY	5.2	10.6	15.5	105
7058	WOODFORD FEED COMPANY	5.3	10.9	15.0	105
7249	GRIGSBY & COMPANY	5.1	10.3	15.9	104
	5 20 20M				
6508	U. L. ROGERS & SONS	5.1	20.0	21.0	102
	6 6 18S				
7158	WOODFORD SPEARS & SONS	6.0	6.9	17.8	103
	6 8 6S				
7315	BRYAN HUNT COMPANY	6.1	8.9	6.9 (1)	108
	10 10 10M				
7059	WOODFORD FEED COMPANY	10.4	10.3	10.4	104
7121	J. D. WARE SAR-EL FARMS	10.2	11.0	10.2	105
7192	ELFORD HAYES	10.3	10.7	10.3	104
	20 SUPERPHOSPHATE				
6059	SOUTHERN STATES CAMPBELL COOP.		20.8		104
7207	SOUTHEASTERN FESCUE SEED GROWERS		21.0		105
<u>VIRGINIA CAROLINA CHEM. MT. PLEASANT</u>					
	0 20 20M				
6408	ROBINSON IMPLEMENT & MOTOR COMPANY		19.7*	20.0	99
7601	COLLARD COAL COMPANY		18.6*	19.9	95*
	2 12 6M				
6431	SMITH & REYNOLDS COMPANY	2.7	11.2*	7.2	105
6476	YOUNG LUMBER COMPANY	2.3	11.9	6.3	103
	4 12 4M				
5800	DUDGEON & ROBINSON	4.1	12.4	4.7	104
7331	CLAY & JOHNSON	4.1	11.4*	5.0	100
	4 12 8M				
6432	SMITH & REYNOLDS COMPANY	4.0	11.8	8.5	100
6477	YOUNG LUMBER COMPANY	4.2	11.2*	8.8	100

(1) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk. Footnotes show amount of excess muriate when sulfate guaranty not met. Boron analyses are in footnotes also).

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>VIRGINIA CAROLINA CHEM. MT. PLEASANT</u>					
7248	5 10 10M GRIGSBY & COMPANY	4.7*	9.9	9.9	97
6405	5 10 10S ROBINSON IMPLEMENT & MOTOR COMPANY	5.1	9.6*	9.9	99
6435	SMITH & REYNOLDS COMPANY	5.3	9.8	10.6	102
7435	DUDGEON & ROBERSON	4.9	10.4	10.7 (1)	103
7602	COLLARD COAL COMPANY	5.2	9.7*	10.5	101
6407	5 10 15S ROBINSON IMPLEMENT & MOTOR COMPANY	5.1	9.9	15.1	100
6436	SMITH & REYNOLDS COMPANY	5.4	9.8	15.0	102
6479	YOUNG LUMBER COMPANY	5.2	9.7*	15.5	101
6540	DUDGEON & ROBINSON	5.0	10.0	15.2	100
6433	6 8 6M SMITH & REYNOLDS COMPANY	5.8	8.5	6.2	102
6406	6 8 6S ROBINSON IMPLEMENT & MOTOR COMPANY	5.8	8.3	6.3	101
6478	YOUNG LUMBER COMPANY	6.1	8.3	6.6	104
6434	6 12 12M SMITH & REYNOLDS COMPANY	6.0	11.9	13.3	102

(1) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

TABLE 2 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tricalcium Phosphate, January-June, 1955

(Analyses deficient more than one-fourth of one percent indicated by asterisk).

Station Number	Manufacturer, Brand Name, and From Whom Obtained	Phosphoric Acid				Percent of Relative Value Found
		Available		Total		
		Guar. (Percent)	Found	Guar. (Percent)	Found	
<u>AMERICAN AGRICULTURAL CHEMICAL COMPANY</u>						
Rock Phosphate						
6011	Coffey's Store	3.0	3.2	30.0	30.4	101
7145	Newal Spegal & Son	3.0	3.1	30.0	30.0	103
<u>AMERICAN CYANAMID COMPANY</u>						
Rock Phosphate						
6334	Pike County Hatchery	3.0	4.2	33.0	33.0	100
<u>ASSOCIATED COOPERATIVES</u>						
Fused Tricalcium Phosphate						
5893	Farmers Ser. Store, Hardinsburg	20.0	19.6*	28.0	28.0	99
6096	Southern States Hardin Coop.	20.0	20.0	28.0	27.9	100
6366	M. G. Pruitt Implement Co.	20.0	20.0	28.0	28.3	100
7269	S. B. Wright	20.0	20.8	28.0	27.9	102
<u>RUHM PHOSPHATE &amp; CHEMICAL COMPANY</u>						
Rock Phosphate						
6481	Bakers Phosphate & Fertilizer	---	---	30.0	30.1	100
<u>SCHROCK FERTILIZER SERVICE</u>						
Rock Phosphate						
6102	Farmers Cooperative, Owensboro	3.0	3.8	31.0	31.0	100
<u>THOMPSON SALES COMPANY</u>						
Soft Phosphate with Colloidal Clay						
7380	Young Brothers Feed Store	2.0	2.2	20.0	19.9	98
7755	Grover Johnson	2.0	2.4	20.0	19.8	99



TABLE 2 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tricalcium Phosphate, January-June, 1955

(Analyses deficient more than one-fourth of one percent indicated by asterisk).

Station Number	Manufacturer, Brand Name, and From Whom Obtained	Phosphoric Acid				Percent of Relative Value Found
		Available		Total		
		Guar. (Percent)	Found	Guar. (Percent)	Found	

THOMSON PHOSPHATE DEPARTMENT

## Rock Phosphate

6175	Roy Murdock	2.0	2.8	30.0	30.0	100
6480	Farmers Cooperative, Owensboro	3.0	3.8	31.0	30.9	99
6545	J. A. Murphy General Store	2.0	2.5	30.0	30.2	100
7459	Louisa Supply Company	3.0	4.0	31.0	33.3	107

TABLE 3 - Analyses of Inspection Samples of Bones, Dried Manures, etc., January-June, 1955

(Analyses deficient more than one-fourth of one percent and relative values deficient more than \$1.50 per ton indicated by asterisk.)

Station Number	Manufacturer, Brand Name, and From Whom Obtained	Nitrogen	Total Phosphoric Acid	Potash	Percent of Relative Value Found
----------------	--	----------	-----------------------	--------	---------------------------------

CONSOLIDATED CHEMICAL INDUSTRIES

## 4-22-0 Bone Meal

5919	Bunton Seed Company	4.6	22.2		107
------	---------------------	-----	------	--	-----

KNOXVILLE FERTILIZER COMPANY, NASHVILLE, TENNESSEE

## 1.5-1-2 Sheep Manure

6101	Wyndall's Farm Store	1.5	1.4	2.5	108
------	----------------------	-----	-----	-----	-----

SEARS, ROEBUCK & COMPANY

## 5-4-0 Lawn Food

7484	Sears, Roebuck & Co., Covington	5.6	4.3		111
------	---------------------------------	-----	-----	--	-----

THE SEWERAGE COMMISSION OF THE CITY OF MILWAUKEE

## 5.5-4-0 Milorganite

6571	George W. Hill Company	5.9	4.8		109
------	------------------------	-----	-----	--	-----

4.5M - 11-55