

# ANALYSES OF OFFICIAL FERTILIZER SAMPLES

by the

FEED AND FERTILIZER DEPARTMENT

KENTUCKY AGRICULTURAL EXPERIMENT STATION

SEMI-ANNUAL REPORT

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UNIVERSITY OF KENTUCKY, LEXINGTON

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This bulletin contains analyses of official samples of commercial fertilizers offered for sale in Kentucky between January 1, 1956 and June 30, 1956.

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				50.0

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				50.8

50.8 (computed value of sample) divided by 50.0 (compound 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

- A. D. Adair & McCarthy Brothers, Inc.  
Atlanta, Georgia
- 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 Company  
30 Rockefeller Plaza, New York, N. Y.
- Armour Fertilizer Works  
350 Hart Bldg., Atlanta, Georgia
- Associated Cooperative Inc.  
312 Montgomery Ave., Sheffield, Ala.
- Bartlett & O'Bryan Fertilizer Company  
108 River Road, Owensboro, Ky.
- Bluegrass Plant Foods, Inc.  
Cynthiana, Kentucky
- The Buhner Fertilizer Company, Inc.  
Seymour, Indiana
- Bunton Seed Company,  
300-312 E. Jefferson St.  
Louisville, Kentucky
- Burley Belt Plant Food Works  
Lexington, Kentucky
- Chilean Nitrate Sales Corporation  
120 Broadway, New York, N. Y.
- Commercial Solvents Corporation  
260 Madison Ave., New York, N. Y.
- Commonwealth Fertilizer Company, Inc.  
Morgantown Rd., Russellville, Ky.
- Consolidated Chemical Company  
Miller's Lane, Louisville, Ky.  
(See Price Chemical Co.)
- Cooperative Fertilizer Service  
S. S. Bldg. Richmond, Virginia
- Darling & Company  
Chicago, Illinois
- Davison Chemical Corporation  
Baltimore, Maryland
- E. I. Du Pont De Nemours & Company  
Wilmington, Delaware
- E'Town Fertilizer Company  
716 East Dixie Avenue  
Elizabethtown, Kentucky
- J. H. Erbrich Products Company  
East 32nd & Monon R. R.  
Indianapolis 7, Indiana
- Farmers Fertilizer Company  
Smith Grove, Kentucky
- Federal Chemical Company  
Starks Bldg., Louisville, Ky.
- Fert-O-Granic Corporation  
111 W. Jackson Blvd., Chicago, Ill.
- Grace Chemical Company  
Memphis, Tennessee
- Green Thumb Products Company  
4410 LaGrange St., Toledo, Ohio
- Hutson Chemical Company  
Murray, Kentucky
- International Minerals & Chemical Corp.  
Lockland Station, Cincinnati, Ohio
- Kentucky Fertilizer Works  
222 Cook Ave., Winchester, Ky.
- Knoxville Fertilizer Company  
Knoxville, Tennessee
- Land O Nan Warehouse  
Sturgis, Kentucky
- Lion Oil Company  
Lion Oil Bldg., El Dorado, Ark.
- Louisville Fertilizer Company  
Box 1088, Nashville, Tennessee  
(See Armour Fertilizer Works)
- Mathieson Chemical Corporation  
Little Rock, Arkansas
- Midsouth Chemical Company, Inc.  
1235 Riverside Drive  
Memphis, Tennessee
- Mississippi Chemical Corporation  
Yazoo City, Mississippi
- Mississippi River Chemical Corporation  
Selma, Missouri
- Missouri Plant Food Company, Inc.  
Sikeston, Missouri

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North American Fertilizer Company  
Preston St. at Bergman  
Louisville, Kentucky

The Ohio Valley Fertilizer Corporation  
Maysville, Kentucky

Owens Agricultural Phosphate Corp.  
Centerville, Tennessee

Price Chemical Company  
Miller's Lane, Louisville, Ky.

Ruhm Phosphate & Chemical Co.  
813 Garden St., Columbia, Tenn.

O. M. Scott & Sons Company  
Marysville, Ohio

Schrock Fertilizer Service  
Congerville, Illinois

Sewerage Commission City of Milwaukee  
Milwaukee, Wisconsin

Smith Agricultural Chemical Company  
185 Kentucky Avenue  
Indianapolis, Indiana

Southwest Virginia Farmers Cooperative  
Bristol, Virginia

Spencer Chemical Company  
Box 604, Pittsburg, Kansas

Swift & Company  
Union Stock Yards  
Chicago, Illinois

Tennessee Chemical Company  
Box 1088, Nashville, Tennessee  
(See Armour Fertilizer Works)

Tennessee Corporation  
Lockland Station, Cincinnati, Ohio

Tennessee Valley Authority  
Knoxville  
Tennessee

Thompson Sales Company  
Box 246, Montgomery, Alabama

Tri-State Chemical Company  
Henderson, Kentucky

Valley Counties of Kentucky Cooperative  
Box 351  
Murray, Kentucky

Virginia-Carolina Chemical Corporation  
Richmond, Virginia

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>A D ADAIR &amp; MCCARTHY BROTHERS INC</u>					
290	5 10 5M HARLAN FRUIT COMPANY	4.9	10.3	5.5	102
<u>ALLIED CHEMICAL &amp; DYE CORP NIT DIV</u>					
	12 12 12M				
32	TARTER FEED MILL	12.1	12.2	12.8	102
156	C T ASHLEY COMPANY	12.2	12.7	12.9	104
1081	BAGDAD ROLLER MILLS	11.9	12.3	12.5	101
2152	HUDSON FEED MILL	12.3	12.8	12.5	104
2229	J W EDWARDS & SON	12.3	12.5	12.6	103
3173	FAYETTE SEED COMPANY	12.2	12.5	12.5	103
3192	C D WILLIAMS	12.1	12.7	12.1	103
8709	LYND HARDWARE	12.0	12.6	12.3	102
9086	H D JONES	12.3	12.8	12.5	104
4429	45 UREA YOUNG LUMBER COMPANY	46.1			102
<u>AMERICAN AGRICULTURAL CHEMICAL CO</u>					
8941	0 10 20M DUNCANS FARM SERVICE		10.2	21.2	104
259	0 20 20M FREEMAN YOUNG FARM SERVICE		20.4	21.0	103
1242	MAYES HELM & COYLE		19.9	18.8*	98*
3037	2 12 6M JOHN A SHEEHAN	2.0	12.2	7.0	104
3219	JOHN A SHEEHAN	2.0	12.1	6.9	103
3220	JOHN A SHEEHAN	2.0	12.3	6.7	104
3222	3 9 6 3M 3S JOHN A SHEEHAN	3.0	9.2	6.3	102
28	3 12 12M E J VANHOOK	2.9	11.6*	12.9	100
122	FREEMAN YOUNG FARM SERVICE	3.0	13.2	10.7*	102
153	CRAB ORCHARD LUMBER COMPANY	2.8	12.4	12.4	101
260	FREEMAN YOUNG FARM SERVICE	3.1	11.7*	12.0	99
1036	J H MCCLURE & SONS	2.9	13.0	12.0	104
1241	MAYES HELM & COYLE	3.1	12.0	13.0	103
1306	WALTERS & THOMPSON	3.0	12.2	12.8	103
1332	READNOUR FEED & COAL COMPANY	3.0	10.9*	13.2	98*
3039	JOHN A SHEEHAN	2.9	12.4	12.4	102
3151	SAM LITTON JR	3.0	12.8	12.2	104
3230	J H FEDDERS INC	3.0	12.4	11.6*	101
3258	W A COX	3.0	11.7*	12.3	99
3259	BRADLEY GROCERY	3.1	10.4*	11.9	93*
8668	J W SETTLE FEED STORE	3.0	11.6*	12.0	98*
8715	WELLMAN HARDWARE	3.0	11.3*	13.0	99
8972	WOODFORD SPEARS & SONS	3.0	12.0	11.8	100
9117	MILLERSBURG COAL & LUMBER COMPANY	3.0	12.6	10.4*	99
47	4 12 8M COFFEYS STORE	4.2	11.6*	8.7	101
1062	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.0	11.7*	8.2	99
1240	MAYES HELM & COYLE	4.1	11.9	8.4	101
1331	READNOUR FEED & COAL COMPANY	4.0	13.8	8.3	109
2126	WOODSON LEWIS	4.2	12.1	8.4	103
3036	JOHN A SHEEHAN	3.2*	12.8	9.5	102
3053	JOHNNYS GENERAL STORE	4.1	11.5*	8.8	100
8713	WELLMAN HARDWARE	4.2	11.7*	8.3	101

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(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>AMERICAN AGR CHEM CONTINUED</u>					
	4 12 8S				
211	J W DAVIDSON	3.7*	12.4	7.8	99
1037	J H MCCLURE & SONS	4.1	12.3	8.7 (1)	104
1063	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.0	11.7*	8.3	99
1074	WALTERS & THOMPSON	4.1	11.9	8.3	101
1329	READNOUR FEED & COAL COMPANY	3.9	11.3*	8.3	97*
8711	WELLMAN HARDWARE	4.1	11.8	8.3	100
8973	WOODFORD SPEARS & SONS	3.9	11.7*	8.1	98*
9119	MILLERSBURG COAL & LUMBER COMPANY	4.0	11.7*	8.7	100
	4 16 16M				
8661	WALTERS & THOMPSON	3.8	15.4*	16.3	98*
	5 9 6M				
3231	J H FEDDERS INC	5.2	9.2	6.5	104
	5 10 15S				
29	E J VANHOOK	5.0	11.0	15.0	104
46	COFFEYS STORE	5.0	10.2	15.4	102
212	J W DAVIDSON	4.8	11.0	14.1*	101
1040	MAYS HELM & COYLE	4.9	10.4	15.1	101
1073	WALTERS & THOMPSON	5.1	10.2	15.7	103
1156	PATTERSON & GUTHRIE	4.9	10.4	15.5	102
1330	READNOUR FEED & COAL COMPANY	4.8	10.5	15.5	102
1362	HARRY THORNTON	4.7*	10.6	15.2	101
1383	SCOTT MCLAIN	5.0	10.1	15.0	100
1478	J W SETTLE FEED STORE	5.0	11.2	13.6*	102
2125	WOODSON LEWIS	4.7*	11.5	14.5*	103
3040	JOHN A SHEEHAN	5.1	10.3	15.1	102
3225	ROBERTS BROTHERS	4.5*	11.5	14.6*	102
8645	RAYMOND RAINES	5.1	10.5	15.2 (2)	103
8646	RAYMOND RAINES	5.0	10.5	14.9	102
8669	WALTERS & THOMPSON	5.2	10.2	15.0	102
8712	WELLMAN HARDWARE	4.9	10.6	15.2	102
8971	WOODFORD SPEARS & SONS	5.0	10.3	14.9	101
9012	LEMONS BROTHERS	4.8	10.6	15.0	101
9114	MILLERSBURG COAL & LUMBER COMPANY	4.9	11.2	14.3*	103
9115	MILLERSBURG COAL & LUMBER COMPANY	4.9	11.0	15.0	103
	5 20 20M				
1307	WALTERS & THOMPSON	5.0	19.4*	20.1	99
	6 6 18S				
3226	ROBERTS BROTHERS	5.6*	6.9	18.3	102
8666	J W SETTLE FEED STORE	5.9	7.0	17.1*	102
8942	DUNCANS FARM SERVICE	6.0	6.4	18.1	102
8970	WOODFORD SPEARS & SONS	6.2	6.2	17.7*	101
9015	MILLERSBURG COAL & LUMBER COMPANY	6.1	6.7	17.8	103
	6 8 6S				
210	J W DAVIDSON	6.2	8.3	6.2	104
1039	MAYS HELM & COYLE	6.2	8.1	6.3	103
1118	CARROLL COUNTY FARM BUREAU COOP	6.0	8.3	6.2	102
3038	JOHN A SHEEHAN	5.6*	8.6	7.0	103
3221	JOHN A SHEEHAN	6.1	8.0	6.2	101
8667	J W SETTLE FEED STORE	6.0	8.1	6.5	102
8710	L F WELLMAN HARDWARE	6.3	8.0	6.4	103
9118	MILLERSBURG COAL & LUMBER COMPANY	6.0	8.0	6.6	102
	6 10 4M				
3341	J H FEDDERS INC	5.9	10.6	4.4	103
	6 12 12M				
8716	WELLMAN HARDWARE	5.6*	12.4	11.7*	99
	10 10 10M				
48	COFFEYS STORE	9.9	10.6	10.6	103
8714	WELLMAN HARDWARE	9.9	10.3	10.3	101
9116	MILLERSBURG COAL & LUMBER COMPANY	10.0	10.1	10.2	101

(1) ALL POTASH FROM MURIATE

(2) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 AGR CHEM CONTINUED</u>					
	18 SUPERPHOSPHATE				
1117	CARROLL COUNTY FARM BUREAU COOP		18.0		100
9009	MONARCH MILLING COMPANY		18.4		102
	50 SULFATE OF POTASH				
8647	RAYMOND RAINES			51.0	102
	60 MURIATE OF POTASH				
1308	WALTERS & THOMPSON			60.8	101
<u>AMERICAN CYANAMID COMPANY</u>					
	33 5 AMMONIUM NITRATE				
30	E J VANHOOK	33.5			100
1168	SOUTHERN STATES FRANKFORT COOP	33.9			101
4195	YOUNG FEED & GRAIN COMPANY	33.9			101
8998	WILLIAMS GROCERY COMPANY	33.9			101
9010	MONARCH MILLING COMPANY	34.2			102
9014	SOUTHERN STATES CYNTHIANA COOP	34.0			101
<u>ARMOUR FERTILIZER WORKS</u>					
	0 12 12M				
2102	NEWELL BLACKWELL	12.2		11.8	101
2408	S E HALE & SON HARDWARE	12.2		12.1	96*
9124	J C EVERETT COMPANY	11.9		12.8	102
	0 20 20M				
60	LLOYD KING	20.1	19.4*		99
99	JASPER PRODUCE COMPANY	19.9	19.3*		99
116	WILLOUGHBY SUPPLY COMPANY	20.2	21.8		104
264	WILLOUGHBY SUPPLY COMPANY	20.4	20.1		102
1106	FARM EQUIPMENT COMPANY BEDFORD	19.7*	20.2		99
1237	ALLEN BROWNING	19.5*	19.5*		98*
1284	FARM EQUIPMENT COMPANY BEDFORD	19.5*	21.0		100
2024	ALLENS COAL SERVICE	19.5*	19.8		98*
2103	NEWELL BLACKWELL	20.0	20.4		101
2375	STEWART & COMPANY	19.2*	19.3*		96*
3004	J C EVERETT COMPANY	19.6*	21.8		102
3016	J F BERTRAM & SON	19.7*	20.2		99
3050	BROWN HARDWARE & ELECTRIC	19.3*	20.7		99
3145	HOWARD WHOLESALE COMPANY	19.9	19.9		100
3154	UNION GROCERY COMPANY	19.8	20.4		100
3187	BRENT & COMPANY	19.8	20.1		100
3223	ROBERTS BROTHERS	19.7*	19.9		99
3281	SALYERSVILLE WHOLESALE GROCERY INC.	19.7*	20.2		99
3286	BROWN HARDWARE & ELECTRIC	19.6*	20.1		99
4117	YOPP SEED COMPANY	19.9	18.1*		97*
4193	BIRMINGHAM MILLING COMPANY	20.0	20.1		100
4247	WALLACES HARDWARE	20.9	19.7*		103
4350	THOMPSONS FEED & SUPPLY COMPANY	20.0	19.4*		99
8700	UNION GROCERY COMPANY	18.8*	19.4*		95*
8910	JEWELL & HAYDEN COMPANY	19.5*	20.9		100
8995	WILLIAMS GROCERY COMPANY	18.0*	20.9		95*
9074	BIG FOUR FEED & IMPLEMENT COMPANY	20.2	19.0*		99
9094	IDEAL HARDWARE COMPANY	19.4*	19.0*		96*
9143	W C BLAIR	22.2	19.3*		106
	0 20 20M 3LB BORAX PER 100				
292	MCHHORTER PRODUCE COMPANY (1)		18.6*	19.7*	98*
	0 20 20M 5LB BORAX PER 100				
1236	ALLEN BROWNING (2)		20.2	18.7*	99
1287	JOE BUSH FARM SUPPLY		19.7*	19.7*	99

(1) SEE BORON TABLE - PAGE 58

(2) SEE BORON TABLE - PAGE 58



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>ARMOUR FERTILIZER WORKS CONTINUED</i>					
<i>2 12 6M</i>					
1199	HENDERSON & HARDY COMPANY	2.1	12.1	6.3	102
2036	PENN MERCANTILE COMPANY	2.2	11.5*	6.7	101
2198	ALLENS COAL SERVICE	2.1	11.9	7.0	103
4332	CADIZ HARDWARE COMPANY	2.0	12.3	6.2	102
9073	BIG FOUR FEED & IMPLEMENT COMPANY	2.0	11.9	5.9	99
9102	IDEAL HARDWARE COMPANY	1.9	11.8	6.5	99
9106	GRAYS & BISHOP	2.1	11.9	6.2	101
<i>3 9 6M</i>					
72	W D BRYANT	3.1	8.2*	6.1	96*
129	CORNETTS MARKET	3.2	9.5	6.2	105
170	JELICO GROCERY	3.1	9.7	6.5	107
181	HACKNEY HARLAN COMPANY	3.2	9.3	6.1	104
1400	INMANS STORE	3.0	9.1	7.4	105
2228	W J SLEDGE & SON	2.9	8.9	6.0	98*
3062	WRIGLEY MERCANTILE COMPANY	3.1	8.9	6.8	103
3138	CENTRAL WHOLESALE GROCERY COMPANY	3.1	9.2	6.0	102
4118	YOPP SEED COMPANY	2.9	9.2	5.9	100
4294	KUTTAWA MILLING COMPANY	3.9	8.9	6.4	109
8305	JOHN ADAMS	3.2	9.5	6.5	106
8324	STEWARTS SUPER MARKET	2.9	9.1	6.4	101
8994	WILLIAMS GROCERY COMPANY	3.1	9.4	6.6	105
9021	TRI STATE WHOLESALE	3.0	9.8	5.9	105
9128	DOBSON CASH STORE	3.1	9.3	6.1	103
9149	GIBSON PRODUCE	3.1	9.9	6.1	107
<i>3 9 18S</i>					
2104	NEWELL BLACKWELL	3.2	9.1	17.1*	100
<i>3 12 6M</i>					
2	MILL SPRING SUPPLY	3.5	12.6	5.6	106
16	COOKS GROCERY & FEED STORE	3.0	12.3	6.3	102
22	C E HERRIN	2.9	11.7*	7.0	100
50	B C NORRIS	3.0	11.5*	6.5	99
81	G C CORNETTE	3.1	12.0	6.2	101
183	MACK EMERSON STORE	3.1	12.4	6.1	103
192	GIBSON PRODUCE	3.0	11.9	6.3	100
208	ROBINSON MILLING COMPANY	2.9	11.9	6.3	99
272	F B MARKSBURRY	2.9	12.8	6.5	105
297	COOKS GROCERY & FEED	2.4*	12.7	6.6	101
1114	JACOBS COAL & TRANSFER COMPANY	3.0	12.0	6.6	102
1286	FARM EQUIPMENT COMPANY	2.9	11.6*	6.7	99
1353	K C FALLIS	3.2	12.7	6.0	105
1357	PRENTISS MARTIN	3.0	11.9	6.0	99
2199	ALLENS COAL SERVICE	2.8	11.6*	6.2	97*
2221	AYERS SEED & FEED	3.0	12.1	6.1	101
3257	ANDREW PORTER	2.3*	12.5	6.6	99
3290	FRANK L HINTON & SONS	3.2	12.1	6.4	103
4248	WALLACES HARDWARE	3.0	12.0	6.2	101
4433	FELTY PRODUCE COMPANY	2.9	11.8	6.3	99
8935	FARMERS SUPPLY COMPANY EMINEÑCE	2.9	11.5*	6.2	97*
9004	CAMARGO FARMERS SUPPLY	3.0	12.1	6.0	101
9069	BIG FOUR FEED & IMPLEMENT COMPANY	3.1	12.0	6.1	101
9103	IDEAL HARDWARE COMPANY	3.3	11.9	6.7	104
9140	W C BLAIR	3.0	11.9	6.2	100
<i>3 12 12M</i>					
225	THE FARMERS SUPPLY CO WHITESBURG	3.1	12.0	11.9	100
263	WILLOUGHBY SUPPLY COMPANY	3.3	12.1	11.8	102
1142	RALPH BERRY	3.2	12.0	12.3	102
1200	HENDERSON & HARDY COMPANY	3.1	12.5	12.5	104
1218	VICTOR E FISTER	3.1	11.7*	12.1	100
1253	VIRGIL ADAMS	3.2	12.0	12.1	102
1285	FARM EQUIPMENT COMPANY BEDFORD	2.9	12.0	12.3	100
1356	PRENTISS MARTIN	3.0	12.0	11.9	100
1409	T F KEENE & SONS	3.0	12.2	11.7*	100
2023	ALLENS COAL SERVICE	3.0	11.9	12.5	101
2066	CAVE CITY ICE & COAL COMPANY	3.4	11.7*	13.2	104
2100	NEWELL BLACKWELL	3.1	12.2	11.8	101
2197	WM CHILDS	3.2	12.3	12.7	104
2357	ALLEN COAL SERVICE	3.0	12.1	12.1	101
2379	TRUMAN HOLLINSWORTH & COMPANY	4.3	11.9	11.5*	107*
3012	KEITH & LYKINS	3.1	12.0	12.5	102
3294	BUTLER LUMBER & COAL COMPANY	3.1	12.0	12.5	102
3301	VIRGIL STALLARD	2.9	12.2	12.6	102
3322	N S DUDLEY & SON	3.2	12.0	12.4	102
4184	GALLOWAY SEED COMPANY	3.1	11.8	12.4	101
4190	BIRMINGHAM MILLING COMPANY	3.3	12.4	12.2	104
4197	YOUNG FEED & GRAIN COMPANY	3.0	11.6*	12.1	98*

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 FERTILIZER WORKS CONTINUED</i>		(Percent)	(Percent)	(Percent)	
<i>3 12 12M CONTINUED</i>					
8250	GIBSON PRODUCE	3.0	12.2	11.7*	100
8905	T F KEENE & SONS	3.1	12.0	12.8	102
9029	MARATTAY BROS	3.5	12.0	12.7	105
9101	IDEAL HARDWARE COMPANY	2.9	11.7*	12.8	100
9107	GRAYS & BISHOP	3.0	12.0	12.5	101
9125	J C EVERETT COMPANY	3.2	12.1	12.3	102
9141	W C BLAIR	3.1	12.4	11.9	102
9145	MCWHORTER PRODUCE COMPANY	2.9	12.2	12.3	101
<i>3 12 12M PESTICIDE</i>					
58	CHAMPION STORES WAREHOUSE (1)	3.1	11.9	12.1	100
3017	J F BERTRAM & SON	3.1	11.9	12.0	100
<i>3 12 12M 3LB BORAX PER 100 (2)</i>					
1015	MCGLASSON FEED STORE	2.8	12.0	12.0	99
<i>4 12 4M</i>					
4119	YOPP SEED COMPANY	4.0	12.0	4.1	100
<i>4 12 8M</i>					
3	MILL SPRING SUPPLY	4.0	11.6*	8.7	100
27	C F MULLINS	4.1	11.7*	8.0	99
59	CHAMPION STORES WAREHOUSE	4.2	12.0	8.5	103
64	LLOYD KING	4.2	11.8	8.2	101
1044	ANDERSON & SPILLMAN	4.0	11.8	8.1	99
1112	ROY HENDREN	4.2	11.6*	8.9	102
1201	HENDERSON & HARDY	3.9	12.0	8.7	101
1355	PRENTISS MARTIN	3.9	12.2	8.1	100
2007	MCGLASSON FEED STORE	3.9	11.4*	7.9	96*
2160	LILLY BROTHERS SEED COMPANY	3.9	11.8	7.8	98*
2188	FARMERS SUPPLY COMPANY HODGENVILLE	3.8	11.9	8.5	99
2269	TRUMAN HOLLINSWORTH	3.8	12.0	9.1	101
2280	ARMOUR FERTILIZER WORKS NASHVILLE	3.9	12.1	8.4	101
3018	J F BERTRAM & SON	3.9	11.3*	8.8	98*
3048	BI COUNTY FARM BUREAU COOP	4.0	11.5*	8.2	98*
4005	PENNS COMMUNITY STORE	3.9	11.6*	8.0	98*
4120	YOPP SEED COMPANY	3.9	11.9	7.9	99
8315	WILLOUGHBY SUPPLY COMPANY	4.1	11.8	8.2	100
8325	STEWARTS SUPER MARKET	3.9	11.8	8.8	100
8357	JASPER PRODUCE COMPANY	3.9	12.0	8.4	100
8796	HUNT BROTHERS	4.0	12.2	7.7*	100
8996	WILLIAMS GROCERY COMPANY	4.0	11.9	8.3	100
9068	BIG FOUR FEED & IMPLEMENT COMPANY	3.9	12.2	7.7*	100
9098	IDEAL HARDWARE COMPANY	4.0	12.0	8.4	101
9144	MCWHORTER PRODUCE COMPANY	3.9	11.9	8.1	99
<i>4 12 8S</i>					
1101	SMITH & JACKSON	4.1	11.8	8.1	100
1115	JACOBS COAL & TRANSFER COMPANY	4.1	11.4*	8.0	98*
1128	ROY HENDREN	4.0	12.1	8.2	101
1288	JOE BUSH FARM SUPPLY	4.2	11.6*	9.1	(3) 102
3003	J C EVERETT COMPANY	4.1	12.0	8.4	102
3051	SAM RYLE	4.4	11.9	8.9	(4) 104
8301	B C NORRIS	4.1	12.1	8.8	103
8657	JACOBS COAL & TRANSFER COMPANY	4.2	11.5*	10.0	104
8702	UNION GROCERY COMPANY	4.1	11.9	8.6	(5) 102
<i>4 16 16M</i>					
1422	LORETTO MILL COMPANY	4.0	15.1*	15.9	97*
2239	STEWART & COMPANY	4.1	15.3*	15.2*	97*
4186	GALLOWAY SEED COMPANY	4.2	15.7*	15.6*	99
4254	M F BRYANT & SONS MILLING COMPANY	4.3	16.1	16.3	102
4276	BARDWELL FEED MILL	4.3	15.4*	16.0	100
<i>4 24 12M</i>					
2065	CAVE CITY ICE & COAL COMPANY	3.8	23.9	11.2*	98*
2143	GLASGOW TRADING CENTER	3.9	22.1*	13.5	96*
2281	IDEAL HARDWARE COMPANY	3.9	22.4*	13.2	97*
2326	GLASGOW TRADING CENTER	4.0	22.8*	13.1	98*
3210	GREENUP MILLING COMPANY	4.0	24.0	12.0	100
3331	GREENUP MILLING COMPANY	4.1	23.3*	12.5	99
9095	IDEAL HARDWARE COMPANY	3.8	22.0*	12.8	95*
<i>5 10 5M</i>					
1043	ANDERSON & SPILLMAN	5.1	10.9	5.9	108

(1) ALDRIN GUARANTEED 0.5%-----FOUND .25%

(2) SEE BORON TABLE - PAGE 58

(3) EXCESS MURIATE EQUIVALENT TO 1.0% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 1.3% POTASH

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>ARMOUR FERTILIZER WORKS CONTINUED</i>					
<i>5 10 5M CONTINUED</i>					
2077	FRANK HENRY	4.9	10.5	5.3	103
2105	NEWELL BLACKWELL	4.5*	11.0	5.1	102
3014	E M BRYANT & SONS	5.1	10.8	5.8	107
4115	YOPP SEED COMPANY	5.1	10.0	5.6	102
4183	GALLOWAY SEED COMPANY	5.1	11.0	5.2	106
8699	UNION GROCERY COMPANY	5.3	10.5	5.9	107
9122	CARLISLE MILL & SUPPLY COMPANY	5.1	10.9	5.6	107
<i>5 10 10M</i>					
118	WILLOUGHBY SUPPLY COMPANY	5.0	10.0	10.9	102
182	HACKNEY HARLAN COMPANY	6.1	10.8	10.0	111
200	ANDERSONS GROCERY	5.1	10.2	9.9	101
219	CORNETTS MARKET	5.0	10.5	10.1	102
265	WILLOUGHBY SUPPLY COMPANY	4.9	10.6	10.0	102
277	GRANT REED	5.0	9.9	11.0*	100
296	ANDERSONS GROCERY	4.9	10.0	10.3	100
301	CORNETTS MARKET	4.9	10.4	10.2	102
1045	ANDERSON & SPILLMAN	5.0	10.2	10.9	103
1484	FARMERS UNION SUPPLY VERSAILLES	4.9	10.0	10.0	99
2019	PEOPLES FARM SUPPLY COMPANY	4.8	9.9	9.9	98*
2135	TRUMAN HOLLINSWORTH	4.9	10.3	9.9	100
2163	FORBES HARDWARE	4.9	10.1	10.1	100
2377	TRUMAN HOLLINSWORTH & COMPANY	5.0	9.9	10.1	100
2396	FARMERS MILL & SUPPLY BROWNSVILLE	4.9	11.0	9.9	104
3211	GREENUP MILLING COMPANY	5.0	10.8	10.2	104
3295	C A RABOURN & SONS	5.0	10.2	10.0	101
3304	LOUISA SUPPLY COMPANY	4.9	10.6	10.1	102
4185	GALLOWAY SEED COMPANY	4.9	10.3	9.9	100
4239	FARMERS GIN COMPANY CLINTON	5.0	10.1	10.2	101
4249	WALLACES HARDWARE	4.9	10.4	10.1	101
4255	M F BRYANT & SONS MILLING COMPANY	5.0	10.8	10.2	104
8317	WILLOUGHBY SUPPLY COMPANY	5.0	10.2	10.1	101
8353	ANDERSONS GROCERY	5.2	10.2	10.5	103
8672	FARMERS UNION SUPPLY VERSAILLES	5.0	10.8	10.6	105
8717	LOUISA SUPPLY COMPANY	5.2	10.0	10.6	103
8804	HARRALSON SEED COMPANY	4.9	10.6	9.8	102
8944	PRENTISS MARTIN	5.0	10.0	10.7	102
8990	W T ANDERSON	5.0	10.3	9.8	101
9123	J C EVERETT INC	5.1	10.0	10.6	102
9142	W C BLAIR	4.5*	10.0	9.6*	96*
<i>5 10 10S</i>					
2164	FORBES HARDWARE	4.9	10.9	9.8	103
4251	WALLACES HARDWARE	4.9	11.1	9.9 <sup>(1)</sup>	104
4257	M F BRYANT & SONS MILLING COMPANY	4.9	10.6	9.6*	101
9070	BIG FOUR FEED & IMPLEMENT COMPANY	5.2	11.0	15.6	118
9150	GIBSON PRODUCE	5.0	10.7	13.3	110
<i>5 10 15S</i>					
1	MILL SPRING SUPPLY	4.8	10.4	14.3*	99
23	C E HERRIN	4.9	9.9	15.3	100
61	LLOYD KING	5.0	10.3	15.6	102
100	JASPER PRODUCE COMPANY	5.1	10.4	15.0	102
193	GIBSON PRODUCE	4.6*	10.2	14.1	97*
271	F B MARKSBURRY	5.2	10.1	15.0	102
294	GIBSON PRODUCE	5.0	10.0	15.1 <sup>(2)</sup>	100
1084	FARMERS UNION SUPPLY VERSAILLES	5.1	10.0	15.4	101
1099	WATKINS BROS	5.2	9.9	15.6	102
1111	ROY HENDREN	5.1	10.0	15.4	101
1120	RIVERVIEW FARMS DAIRY	4.8	10.2	14.9	99
1243	BOURNE BROTHERS	4.9	10.0	15.0	99
1249	CLARK KARSNER	4.8	10.3	15.0	100
1251	VIRGIL ADAMS	4.9	10.1	15.0	100
1337	COYLES GROCERY	5.1	10.0	15.4	101
1352	J C ASHFORD	5.2	10.6	14.7*	103
1410	T F KEENE & SONS	5.2	10.5	15.2 <sup>(3)</sup>	104
1483	W H GRIMES	4.7*	10.9	14.4 <sup>(4)</sup>	101
1492	PRENTISS MARTIN	5.0	10.1	15.1	101
2064	MONROE SWEET FEED MILL	4.8	10.3	14.4*	99
2067	CAVE CITY ICE & COAL COMPANY	4.8	10.2	15.5	101
2078	FRANK HENRY	4.9	10.0	15.1	100
2227	W J SLEDGE & SON	4.8	10.5	14.3*	99
2242	BONNIEVILLE HARDWARE	4.8	10.5	15.0	101
2250	SHIPP SEED HOUSE	4.9	10.7	15.0 <sup>(5)</sup>	102
2289	HATTER HARDWARE	4.8	10.4	14.9	100
2392	PEOPLES FARM SUPPLY COMPANY	4.9	10.0	14.2*	98*
2395	FARMERS MILL & SUPPLY BROWNSVILLE	4.8	10.5	15.3	101
4008	PENNS COMMUNITY STORE	4.9	10.2	14.5*	99
4086	HARRALSON SEED COMPANY	4.9	10.4	14.8	101
4198	YOUNG FEED & GRAIN COMPANY	4.8	10.2	14.9	99

(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 0.7% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 CONTINUED</u>					
5 10 15S CONTINUED					
8316	WILLOUGHBY SUPPLY COMPANY	5.2	10.3	15.2	103
8351	GIBSON PRODUCE	4.8	10.5	14.3*	100
8374	B C NORRIS	5.2	10.3	14.9	102
8644	RALPH BERRY	4.6*	10.2	15.5	99
8653	FARM EQUIPMENT COMPANY BEDFORD	4.8	10.5	15.4	102
8670	FARMERS UNION SUPPLY VERSAILLES	5.2	10.2	15.3	103
8701	UNION GROCERY COMPANY	5.1	10.4	15.5	103
8925	JAMES W JOHNSON	5.1	10.4	14.8	102
8939	GEO FREMD JR	4.8	10.1	15.6	100
8946	PRENTISS MARTIN	5.1	10.2	15.2	102
8974	BRENT & COMPANY	5.2	10.2	15.4	103
8987	CAMARGO FARMERS SUPPLY	5.1	10.8	15.0	104
8992	WILLIAMS GROCERY COMPANY	4.9	10.6	14.9	102
9016	STEWARTS SUPER MARKET	4.8	10.2	15.4	100
9027	J A BENNETT HARDWARE	5.2	9.8	16.5	103
9028	MARATTAY BROS	4.8	9.8	16.9	102
9075	BIG FOUR FEED & IMPLEMENT COMPANY	4.8	10.4	14.1*	99
9099	IDEAL HARDWARE COMPANY	5.1	9.9	15.0	100
5 10 20S					
3291	FRANK L HINTON & SONS	4.7*	10.9	19.5*	101
5 20 20M					
138	THE FARMERS SUPPLY CO WHITESBURG	5.1	20.4	20.1	102
1068	SPRINGFIELD FEED & GRAIN CO	4.9	19.9	20.6	100
1366	O W BUTCHER	4.9	20.3	18.3*	98*
2063	MONROE SWEET FEED MILL	5.0	20.5	18.8*	100
2142	GLASGOW TRADING CENTER	4.7*	19.8	20.6	99
2268	TRUMAN HOLLINSWORTH & COMPANY	4.5*	19.5*	21.0	98*
2352	HARDIN COUNTY MILLING COMPANY	4.8	19.5*	19.4*	97*
3209	GREENUP MILLING COMPANY	5.2	20.3	20.2	102
3232	W C DICKEN	5.0	19.6*	20.2	99
3270	MUSIC WHOLESALE	5.2	19.9	20.0	101
3340	SAM RYLE	5.0	20.3	20.7	102
4256	M F BRYANT & SONS MILLING COMPANY	4.9	20.3	18.8*	99
9097	IDEAL HARDWARE COMPANY	4.8	19.6*	20.2	98*
6 6 18S					
63	LLOYD KING	6.0	6.4	18.0	102
154	FARMERS SUPPLY STORE WILMORE	5.9	6.9	16.8*	101
1219	VICTOR E FISTER	6.2	6.5	17.2*(1)	102
1401	INMANS STORE	6.2	6.8	18.5	106
3005	J C EVERETT COMPANY	5.9	6.8	18.6	104
3085	SPHAR & COMPANY	6.0	6.6	17.9	87*
3146	THOMPSON FEED & FARM SUPPLY	5.9	6.9	18.3	104
3218	PENDLETON COUNTY MILL	5.8	6.9	18.3	103
8318	WILLOUGHBY SUPPLY COMPANY	5.9	7.3	17.6*	104
8671	FARMERS UNION SUPPLY VERSAILLES	9.0	7.4	12.5*(2)*	113
8923	FARMERS UNION SUPPLY VERSAILLES	6.1	6.6	17.9	103
8927	C S WILLIAMS	6.1	6.5	18.0	103
8928	WILBUR HILL	6.0	6.6	17.8	102
8945	PRENTISS MARTIN	6.0	6.7	18.8	105
8975	BRENT & COMPANY	5.8	6.4	17.5*	99
9011	LEMONS BROS	5.9	6.2	17.6*	99
9034	GOODLOE MAYS	5.7*	6.5	17.2*	99
6 8 6M					
62	LLOYD KING	5.9	8.6	6.5	104
2187	S E HALE & SON HARDWARE	5.8	8.4	6.6	102
4116	YOPP SEED COMPANY	5.7*	8.2	6.0	99
4240	FARMERS GIN COMPANY CLINTON	5.8	8.3	6.1	100
4250	WALLACES HARDWARE	5.6*	8.3	6.2	99
6 8 6S					
73	W D BRYANT	6.2	8.1	6.0	102
293	GIBSON PRODUCE	6.4	8.1	6.4	105
1105	JOE BUSH FARM SUPPLY	5.9	8.5	7.0 (3)	104
1134	HULETTE HARDWARE COMPANY	6.1	8.2	6.2	102
1246	P L THOMPSON	5.9	8.6	6.6 (4)	104
2222	AYERS SEED & FEED	5.7*	8.4	6.1	100
2243	BONNIEVILLE HARDWARE	5.8	8.3	6.6	102
2358	ALLEN COAL SERVICE	6.0	8.4	6.5	103
4121	YOPP SEED COMPANY	5.8	8.4	6.2	101
4252	WALLACES HARDWARE	5.7*	8.0	6.5	99
8319	WILLOUGHBY SUPPLY COMPANY	6.2	8.1	6.4	103
8373	B C NORRIS	6.3	8.4	6.3	105
8902	T G SMITHER	6.2	8.0	6.6	103
8931	HENRY D ELLIOTT	5.8	8.3	7.2	103

(1) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 6.5% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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)	
<b>ARMOUR FERTILIZER WORKS CONTINUED</b>					
<b>5 8 6S CONTINUED</b>					
8988	CAMARGO FARMERS SUPPLY	6.2	8.1	6.6	104
8993	WILLIAMS GROCERY COMPANY	6.3	8.7	6.2	106
9072	BIG FOUR FEED & IMPLEMENT COMPANY	5.4*	8.8	6.5	101
9120	CARLISLE MILL & SUPPLY COMPANY	5.9	8.2	6.6	102
9129	DOBSON CASH STORE	5.9	8.7	6.1	103
<b>6 12 12M</b>					
134	DENNIS CORNETT	5.9	12.6	11.8	101
199	ANDERSONS GROCERY	6.1	12.4	12.4	103
226	THE FARMERS SUPPLY CO WHITESBURG	6.0	12.5	11.8	101
295	ANDERSONS GROCERY	6.1	12.3	11.9	101
1042	ANDERSON & SPILLMAN	6.0	12.1	12.4	101
1055	TRAPPIST MONASTERY	5.5*	12.3	12.4	99
1100	ROY C HARDESTY	5.6*	12.3	12.5	100
1133	HULETTE HARDWARE COMPANY	6.1	12.1	12.2	101
2025	NALL FEED STORE	5.5*	12.1	13.0	99
2068	CAVE CITY ICE & COAL COMPANY	5.7*	11.7*	12.8	99
2356	ALLEN COAL SERVICE	5.8	12.1	12.5	100
2378	TRUMAN HOLLINSWORTH & COMPANY	6.1	12.4	11.9	102
3052	THE CINCINNATI GRAIN & HAY CO	6.0	12.5	11.7*	101
3058	BROWN HARDWARE & ELECTRIC	6.1	12.3	11.9	101
3278	WILLIAMS GROCERY COMPANY	6.1	12.1	12.1	101
3289	FRANK L HINTON & SONS	6.2	12.2	11.9	102
3296	C A RABOURN & SONS	6.2	12.2	12.0	102
4006	PENNS COMMUNITY STORE	5.6*	11.9	12.1	98*
4071	ROSS FEED COMPANY	5.9	11.9	12.0	99
4178	HARPERS GROCERY	5.9	12.2	12.0	100
4351	THOMPSONS FEED & SUPPLY COMPANY	5.4*	12.0	12.3	97*
8997	WILLIAMS GROCERY COMPANY	6.0	12.5	12.5	103
<b>6 12 12M PESTICIDE</b>					
2136	TRUMAN HOLLINSWORTH (1)	5.5*	11.9	11.0*	95*
<b>6 12 12S</b>					
26	C F MULLINS	5.9	12.2	12.1 (2)	100
276	GRANT REED	5.8	11.9	12.2	99
1054	TRAPPIST MONASTERY	5.7*	12.1	12.9	100
1216	T F KEENE & SONS	6.1	12.4	12.7	103
1244	D L JOHNSON	5.8	11.7*	12.5	99
2311	U L ROGERS & SON	6.0	12.1	12.6	101
3011	KEITH & LYKINS	5.9	12.2	12.6 (3)	101
8658	JACOBS COAL & TRANSFER COMPANY	5.8	12.2	12.5	101
8909	JEWELL & HAYDEN COMPANY	5.9	11.9	12.6	100
8947	PRENTISS MARTIN	6.1	12.3	12.5	103
9005	CAMARGO FARMERS SUPPLY	6.0	12.0	12.2 (4)	100
9035	GOODLOE MAYS	6.0	12.3	12.9	103
9100	IDEAL HARDWARE COMPANY	5.8	11.9	13.1	101
9121	CARLISLE MILL & SUPPLY COMPANY	5.7*	11.9	12.6	99
9130	DOBSON CASH STORE	6.2	12.5	12.4	104
<b>6 12 18M</b>					
2147	A C ROBERTS	5.8	12.5	17.5*	100
<b>6 12 18S</b>					
189	MCWHORTER PRODUCE COMPANY	5.5*	13.9	16.7*	102
1318	HULETTE HARDWARE COMPANY	5.8	12.2	18.1	100
1358	PRENTISS MARTIN	5.9	12.5	18.3	102
1491	PRENTISS MARTIN	6.0	12.8	17.4*	102
2092	W J SLEDGE & SON	5.8	12.2	17.3*	99
2176	N T NUCKOLS	5.8	12.7	17.8	101
2232	PEOPLES FARM SUPPLY	5.7*	12.2	17.4*	98*
2333	N T NUCKOLS	5.7*	12.5	16.9*	98*
3041	W C DICKEN	6.1	11.5*	18.8	100
3189	BRENT COMPANY	6.1	12.0	18.2	101
3212	GREENUP MILLING COMPANY	6.0	12.6	18.2	102
3233	W C DICKEN	5.5*	12.1	16.3*	95*
3282	SALYERSVILLE WHOLESALE GROCERY CO	6.1	12.2	18.1	101
3293	W C DICKEN	5.8	12.9	18.5	103
3302	JEROME GLASS	5.9	12.4	18.1	101
3327	KEITH & LYKINS	5.9	11.9	17.7*	99
4187	GALLOWAY SEED COMPANY	5.7*	12.4	17.2*	99
4194	BIRMINGHAM MILLING COMPANY	5.7*	12.7	16.9*	99
4258	M F BRYANT & SONS MILLING COMPANY	5.8	12.5	18.0	101
4333	CADIZ HARDWARE COMPANY	5.4*	12.1	17.1*(5)	96*
8943	PRENTISS MARTIN	5.8	12.5	17.5*	100

- (1) CHLORDANE GUARANTEED 1.0%-----FOUND .72%  
 (2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
 (3) EXCESS MURIATE EQUIVALENT TO 1.1% POTASH  
 (4) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
 (5) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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)	
<b>ARMOUR FERTILIZER WORKS CONTINUED</b>					
8 8 8M					
2162	FORBES HARDWARE	7.7*	8.6	8.1	101
4007	PENNS COMMUNITY STORE	7.8	8.6	8.0	101
4191	BIRMINGHAM MILLING COMPANY	7.9	10.3	9.9	113
8 16 16M					
2101	NEWELL BLACKWELL	7.3*	15.6*	15.7*	91*
4085	HARRALSON SEED COMPANY	7.8	16.3	16.0	100
10 6 4M					
1041	ANDERSON & SPILLMAN	10.1	6.3	4.4	103
1206	BUNTON SEED COMPANY	10.1	6.1	4.6	102
1217	T F KENNE & SONS	9.3*	6.1	5.2	98*
10 8 6M					
4114	YOPP SEED COMPANY	9.2*	8.4	6.9	99
10 10 10M					
135	DENNIS CORNETT	9.4*	10.9	10.0	100
300	CORNETTS MARKET	9.7*	10.5	10.0	100
1061	LORETTO MILL COMPANY	8.5*	13.0	9.5*	102
1066	SPRINGFIELD FEED & GRAIN CO	10.0	10.0	11.2	102
1188	LINCOLN RIDGE INSTITUTE	10.1	10.0	10.7	102
2144	GLASGOW TRADING CENTER	9.7*	10.5	10.8	102
2165	FORBES HARDWARE	9.7*	10.7	10.0	101
2297	G H HAYCRAFT & SON	9.7*	10.5	10.5	101
2312	U L ROGERS & SON	10.0	11.2	10.3	105
2351	HARDIN COUNTY MILLING COMPANY	9.8	10.2	10.7	101
3001	J C EVERETT COMPANY	10.0	9.9	10.7	101
3015	J F BERTRAM & SON	9.4*	10.4	10.4	99
3059	BROWN HARDWARE & ELECTRIC	9.8	10.2	10.6	101
3188	BRENT & COMPANY	10.2	10.5	10.2	103
3224	ROBERTS BROTHERS	10.0	10.2	10.5	102
3260	CARLISLE MILL & SUPPLY COMPANY	10.0	10.1	11.0	102
3292	FRANK L HINTON & SONS	10.1	10.2	9.9	101
3303	LOUISA SUPPLY COMPANY	5.8*	10.8	10.0	82*
4295	KUTTAWA MILLING COMPANY	9.8	10.6	10.6	102
4402	BURNA FEED COMPANY	9.7*	10.4	10.1	100
8320	WILLOUGHBY SUPPLY COMPANY	10.1	10.1	10.2	101
8926	JAMES W JOHNSON	9.7*	10.3	10.1	100
8929	WILBUR HILL	9.9	9.9	10.8	101
9096	IDEAL HARDWARE COMPANY	9.5*	10.6	10.9	101
12 12 12M					
117	WILLOUGHBY SUPPLY COMPANY	11.3*	12.2	12.5	98*
3047	BI COUNTY FARM BUREAU COOP	11.5*	12.5	12.1	99
4192	BIRMINGHAM MILLING COMPANY	11.3*	12.6	12.5	99
20 SUPERPHOSPHATE					
1026	PEOPLES FARM SUPPLY SMITHS GROVE		19.9		100
1107	FARM EQUIPMENT COMPANY		19.3*		97*
1143	RALPH BERRY		20.0		100
1317	HULETTE HARDWARE COMPANY		20.6		103
1336	COYLES GROCERY		19.6*		98*
2012	HATTER HARDWARE		20.1		100
3002	J C EVERETT COMPANY		20.4		102
3013	E M BRYANT		19.9		100
4070	ROSS FEED COMPANY		19.9		100
4196	YOUNG FEED & GRAIN COMPANY		20.0		100
4246	WALLACES HARDWARE		20.0		100
8375	B C NORRIS		20.1		100
8651	TRIMBLE COUNTY FARM BUREAU COOP		20.1		100
8718	LOUISA SUPPLY COMPANY		19.9		100
8904	T F KEENE & SONS		19.7*		98*
45 SUPERPHOSPHATE					
1223	JEWELL & HAYDON COMPANY		44.9		100
3261	CARLISLE MILL & SUPPLY COMPANY		45.3		101
48 SULFATE OF POTASH					
1034	RALPH E MILLS			51.8	108
1119	RIVERVIEW FARMS DAIRY			49.7	104
1144	RALPH BERRY			51.3	107
3049	SAM RYLE			50.7	106
3082	SPHAR & COMPANY			51.9	108
4381	YOUNG FEED & GRAIN COMPANY			49.0	102
8903	T G SMITHER			50.8	106

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>ARMOUR FERTILIZER WORKS CONTINUED</u>		(Percent)	(Percent)	(Percent)	
	60 MURIATE OF POTASH				
1033	RALPH E MILLS			60.5	101
1047	KENTUCKY STATE HOSPITAL			59.8	100
3050	SAM RYLE			60.0	100
3083	SPHAR & COMPANY			60.2	100
3169	KENTUCKY VILLAGE			60.1	100
3172	EASTERN STATE HOSPITAL			60.1	100
3338	BI COUNTY FARM BUREAU COOP			59.4*	99
<u>ASSOCIATED COOPERATIVES INC</u>					
	14 14 14M				
1304	SOUTHERN STATES SHELBYVILLE COOP	14.1	14.3	14.4	102
3042	S S CAMPBELL COOP	14.1	14.6	14.0	102
3214	WOMACK BROTHERS FARM SUPPLY	13.9	14.8	14.5	102
4283	BARDWELL FEED MILL	14.0	15.3	14.1	103
4408	HICKORY BILLS FARM STORE	14.8	14.8	14.0	105
9079	ALLEN COUNTY FARMERS SERVICE	14.0	14.9	13.9	102
	33 5 AMMONIUM NITRATE				
190	MCWHORTER PRODUCE COMPANY	33.6			100
3180	SOUTHERN STATES LEXINGTON COOP	33.5			100
8724	AMBURGEYS FARM SUPPLY	33.5			100
8977	BOURBON FARM SERVICE	33.5			100
9067	BIG FOUR FEED & IMPLEMENT COMPANY	33.1			99
9076	ALLEN COUNTY FARMERS SERVICE	33.6			100
9110	GRAYS & BISHOP	33.4			100
	47 SUPERPHOSPHATE				
9080	ALLEN COUNTY FARMERS SERVICE		46.2*		98*
	48 SUPERPHOSPHATE				
191	MCWHORTER BROTHERS		49.1		102
	49 SUPERPHOSPHATE				
1281	CARROLL COUNTY FARM BUREAU COOP		49.8		102
8723	AMBURGEYS FARM SUPPLY		48.5		99
	60 CALCIUM METAPHOSPHATE				
1178	SOUTHERN STATES GEORGETOWN COOP		60.4		101
3263	CABLES FARM SUPPLY		61.8		103
	61 CALCIUM METAPHOSPHATE				
1058	TRAPPIST MONASTERY		61.8		101
3035	SOUTHERN STATES COOP FLEMINGSBURG		60.9		100
3181	SOUTHERN STATES LEXINGTON COOP		61.0		100
	62 CALCIUM METAPHOSPHATE				
257	RICHMOND FARM SERVICE		64.3		104
1305	SOUTHERN STATES SHELBYVILLE COOP		63.4		102
2033	MORRISON & WALLACE		62.2		101
4110	SOUTHERN STATES CRITTENDEN COOP		63.0		102
4282	BARDWELL FEED MILL		61.7		100
9109	GRAYS & BISHOP		63.0		102
<u>BARTLETT &amp; O BRYAN FERTILIZER CO</u>					
	0 20 20M				
4088	BARTLETT & O BRYAN FERTILIZER CO		20.3	17.7*	97*
4427	BARTLETT & O BRYAN FERTILIZER CO		19.9	20.0	100
	3 12 12M				
2208	CARL HAGMAN	2.9	12.3	13.6	104
4089	BARTLETT & O BRYAN FERTILIZER CO	2.9	13.4	11.5*	104

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>BARTLETT &amp; O BRYAN FERT CO CONTINUED</u>		(Percent)	(Percent)	(Percent)	
4 12 8M					
2206	CARL HAGMAN	4.0	12.1	9.3	103
2365	CARL HAGMAN	4.2	12.5	7.9	103
4090	BARTLETT & O BRYAN FERTILIZER CO	3.4*	12.1	8.9	98*
4129	GRESHAMS HARDWARE	3.9	13.4	8.6	107
4212	PAUL LOGSDON	4.1	12.2	8.6	103
4418	ROBERT PENCE	4.0	12.8	8.0	104
4 16 16M					
4092	BARTLETT & O BRYAN FERTILIZER CO	3.8	16.0	16.9	101
4405	JAMES A LOGSDON	3.5*	16.2	16.0	98*
5 10 15S					
4095	BARTLETT & O BRYAN FERTILIZER CO	5.3	10.6	15.8	106
4406	JAMES A LOGSDON	5.4	11.4	15.0	108
4420	ROBERT PENCE	5.1	12.6	12.9*(1)	107
5 20 20M					
4091	BARTLETT & O BRYAN FERTILIZER CO	4.5*	20.2	20.6	99
6 12 12M					
4093	BARTLETT & O BRYAN FERTILIZER CO	5.3*	12.4	11.7*	97*
4428	BARTLETT & O BRYAN FERTILIZER CO	6.0	12.7	13.2	105
10 10 10M					
4094	BARTLETT & O BRYAN FERTILIZER CO	10.0	11.1	10.0	104
4130	GRESHAMS HARDWARE	8.9*	10.3	10.8	97*
4419	ROBERT PENCE	9.1*	11.6	10.4	102
20 SUPERPHOSPHATE					
2207	CARL HAGMAN		19.8		99
4087	BARTLETT & O BRYAN FERTILIZER CO		19.5*		98*
4421	ROBERT PENCE		19.9		100
50 SULFATE OF POTASH					
4324	HANCOCK COUNTY FARM SUPPLY			47.3*	95*
4407	JAMES A LOGSDON			45.1*(2)	90*
4417	ROBERT PENCE			43.8*(3)	88*
<u>BLUEGRASS PLANT FOODS INC</u>					
0 20 20M					
1320	LEE ROY SIMPSON		19.0*	20.0	97*
0 20 20M 4LB BORAX PER 100 (4)					
3069	ROSE FEED & SEED STORE		20.2	20.2	101
0 20 20M 5LB BORAX PER 100 (5)					
1376	O L MITTS		14.0*	19.6*	79*
2 12 6M					
2050	I K MILLER & SON	2.1	11.3*	6.6	99
3 9 6M					
133	MOUNTAIN WHOLESALE GROCERY	3.2	9.8	6.0	107
3159	LOUISA GROCERY	3.5	8.9	7.2	108
3 9 6S					
41	DAN F HENDRIX	3.1	8.9	7.3 (6)	104
3 12 12M					
1125	H R STOUTT	3.1	12.8	12.2	105
1324	O L MITTS	3.4	11.9	12.7	104
3114	EARL KENDALL	3.4	11.2*	13.2	102
3197	ATKINSON FARM SUPPLY	3.1	11.7*	12.4	100

(1) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.1% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(4) SEE BORON TABLE - PAGE 58

(5) SEE BORON TABLE - PAGE 58

(6) EXCESS MURIATE EQUIVALENT TO 1.3% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

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Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
<i>BLUEGRASS PLANT FOODS INC CONTINUED</i>					
		(Percent)	(Percent)	(Percent)	
	4 8 12S				
3113	EARL KENDALL	3.8	7.7*	11.7*	96*
9030	DONALD MORSE	4.1	7.9	12.6	102
9134	MACK EMERSON STORE	3.9	8.8	11.9 (1)	103
	4 12 4M				
3054	HANCOCK GROCERY COMPANY	3.6*	12.6	5.6	104
	4 12 8M				
71	PATRIKS STORE	4.2	12.0	8.4	102
95	ANDERSONS GROCERY	4.0	11.5*	9.2	100
282	PATRICK STORE	4.2	11.6*	9.6	103
3111	EARL KENDALL	4.0	12.0	8.5	101
3121	FLOYD G BARLOW	4.3	11.9	8.4	103
	4 12 8S				
3099	AMBURGEY FARM SUPPLY	4.3	12.7	9.1	108
	5 10 10M				
1053	BLUEGRASS PLANT FOODS DANVILLE	5.0	9.6*	10.5	99
3160	LOUISA GROCERY	5.2	9.9	10.6	102
3274	SANDY VALLEY GROCERY COMPANY	5.0	9.9	10.3	100
3308	ASHLAND GROCERY COMPANY	5.0	9.9	9.9	99
	5 10 15S				
42	DAN F HENDRIX	5.1	9.9	14.9	100
1124	H R STOUTT	5.0	10.6	14.6*	102
1238	GEORGE D HELM	5.3	10.2	15.1	103
1297	HUGHES HAMILTON	5.2	10.3	14.8	102
1321	LEE ROY SIMPSON	5.0	10.5	15.2	102
1328	JOE THOMAS	5.1	10.4	15.0	102
1375	W H LAMN	5.1	10.5	14.9	102
1501	MORGAN & CRENSHAW	5.2	9.9	15.0	101
2051	I K MILLER & SON	5.1	9.9	15.0	100
2253	I K MILLER & SON	5.0	9.9	16.1	102
3110	EARL KENDALL	5.0	10.2	15.2	101
3116	FLOYD G BARLOW	5.0	10.1	15.2	101
3199	ATKINSON FARM SUPPLY	5.1	10.0	14.9	100
8362	BRADIE TEATER	5.2	10.6	15.1	106
9032	DONALD MORSE	5.0	10.1	15.8	102
	5 20 20M				
1051	BLUEGRASS PLANT FOODS DANVILLE	5.0	19.9	19.9	100
1323	O L MITTS	4.8	19.7*	17.9*	96*
	6 6 18M				
1046	KENTUCKY STATE HOSPITAL	5.9	6.2	18.2	101
3170	KENTUCKY VILLIAGE	5.9	6.1	18.1	100
3171	EASTERN STATE HOSPITAL	5.9	6.0	18.5	100
	6 6 18S				
258	WALKER SUPPLY COMPANY	5.6*	7.5	16.8*(2)	101
1052	BLUEGRASS PLANT FOODS DANVILLE	5.9	7.0	16.9*	101
8364	BRADIE TEATER	5.9	7.1	17.2*	102
	6 8 6 M				
3108	EARL KENDALL	6.0	8.2	6.8	103
3309	ASHLAND GROCERY COMPANY	5.9	8.4	6.6	103
8313	WALKER SUPPLY COMPANY	5.7*	7.9	7.0	100
	6 8 6S				
3112	EARL KENDALL	6.1	10.3	7.0	115
3273	SANDY VALLEY GROCERY COMPANY	6.0	8.5	6.2	103
3279	SALYERSVILLE MARKET	6.3	7.7*	6.7	103
	6 12 18S				
1322	O L MITTS	5.9	12.2	18.6	101
3117	FLOYD G BARLOW	5.9	12.2	17.9	100
9039	W H RANSDELL	5.4*	12.1	18.1	98*

(1) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

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Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
<u>BLUEGRASS PLANT FOODS INC CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
	10 10 10M				
21	H W SMITH & SON	9.6*	10.4	9.4*	98*
159	PATRICK STORE	9.4*	10.4	10.4	99
244	CRAB ORCHARD FARM SERVICE	9.4*	11.1	9.8	102
1151	PATTERSON & GUTHRIE	9.2*	10.1	10.4	97*
1275	RAYMOND BATES	9.7*	11.3	10.3	103
3198	ATKINSON FARM SUPPLY	9.9	10.3	9.9	100
3326	J R PRATHER	9.4*	10.3	11.2	100
8363	BRADIE TEATER	9.0*	11.0	10.6	99
9038	W H RANSELL	8.1*	10.0	9.5*	90*
	20 SUPERPHOSPHATE				
87	MACK EMERSON STORE		19.9		100
1239	GEORGE D HELM		20.1		100
3107	EARL KENDALL		20.0		100
8312	WALKER SUPPLY COMPANY		18.8*		94*
9031	DONALD MORSE		19.9		100
	50 SULFATE OF POTASH				
1298	HUGHES HAMILTON			50.6	101
3119	FLOYD G BARLOW			51.0	102
9033	DONALD MORSE			49.5	99
	60 MURIATE OF POTASH				
3106	EARL KENDALL			57.6*	96*
3118	FLOYD G BARLOW			60.5	101
3186	EARL KENDALL			59.9	100
<u>BUHNER FERTILIZER COMPANY</u>					
	2 12 6M				
36	FARMERS CASH STORE LIBERTY	1.9	12.4	6.5	103
2044	SHIPPS SEED HOUSE	2.0	12.7	5.9	104
2075	CARL LOCK	2.3	11.9	6.5	103
	3 12 12M				
34	FARMERS CASH STORE LIBERTY	2.9	12.9	11.5*	102
142	FARMERS CASH STORE LIBERTY	3.0	12.9	11.9	104
1454	SHEPHERDSVILLE FEED MILL	2.8	11.9	12.8	100
2040	SHIPPS SEED HOUSE	2.7*	13.0	11.1*	100
2041	SHIPPS SEED HOUSE	3.0	12.6	11.9	102
4425	MACKEYS GENERAL STORE	2.8	12.8	13.3	105
	4 12 8M				
35	FARMERS CASH STORE LIBERTY	4.2	12.6	9.5	108
143	FARMERS CASH STORE LIBERTY	3.9	12.9	8.3	104
1003	BUHNER & COMPANY	4.1	12.2	9.1	104
1230	SPRINGFIELD FEED & GRAIN COMPANY	3.8	12.7	8.1	102
2043	SHIPPS SEED HOUSE	3.4*	12.0	8.4	97*
2298	CANN BROTHERS	3.7*	12.6	8.1	101
4426	MACKEYS GENERAL STORE	3.2*	12.1	8.1	95*
	4 16 16M				
1448	BUHNER & COMPANY	3.6*	15.9	16.4	98*
4424	MACKEYS GENERAL STORE	5.0	14.3*	17.6	102
	5 10 15S				
38	FARMERS CASH STORE LIBERTY	4.8	10.9	15.4	103
1002	BUHNER & COMPANY	4.7*	10.5	15.1	100
1462	FERN CREEK FEED & HARDWARE	4.7*	11.1	15.0	103
2042	SHIPPS SEED HOUSE	4.6*	11.3	14.4*	102
	6 8 6 M				
1445	AUBURNDALE FEED & LUMBER COMPANY	5.4*	9.9	6.3	106
1447	BUHNER & COMPANY	5.6*	9.0	6.5	103
	6 8 6S				
37	FARMERS CASH STORE LIBERTY	5.6*	9.9	7.8 (1)	111
144	FARMERS CASH STORE LIBERTY	6.0	9.5	6.7 (2)	109
1001	BUHNER & COMPANY	6.1	9.1	7.1	109
1453	SHEPHERDSVILLE FEED MILL	5.9	9.1	6.7	107
1490	DAWSON FEED & SUPPLY	6.0	8.8	7.1 (3)	107

(1) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>BUHNER FERTILIZER COMPANY CONTINUED</u>		(Percent)	(Percent)	(Percent)	
	10 10 10M				
1095	W H WEBB GENERAL STORE	9.8	10.3	12.0	103
1136	DAWSON FEED & SUPPLY	9.2*	10.8	11.1	100
1210	BUHNER & COMPANY	9.9	10.1	11.4	102
1449	BUHNER & COMPANY	9.9	9.9	11.1	101
2299	CANN BROTHERS	10.1	10.4	12.0	105
8940	DAWSON FEED & SUPPLY	9.1*	10.5	11.0	99
	20 SUPERPHOSPHATE				
2039	SHIPPS SEED HOUSE		20.4		102
	50 SULFATE OF POTASH				
1135	DAWSON FEED & SUPPLY			51.7 (1)	103
<u>BUNTON SEED COMPANY</u>					
	6 12 6M				
1208	BUNTON SEED COMPANY	7.6	11.4*	5.9	107
2026	BURNETTS FEED STORE	7.0	12.6	6.5	110
<u>BURLEY BELT PLANT FOOD WORKS</u>					
	0 20 20M				
8308	WOOTEN GROCERY & FEED STORE		22.6	17.6*	105
	3 9 6M				
218	SEBASTIAN BROTHERS MERCANTILE CO	3.0	8.7*	6.4	99
3137	FOUR BROTHERS GROCERY	3.2	9.3	6.3	105
3144	BUTLER JUSTICE	2.7*	9.2	5.9	98*
	4 12 8M				
111	SEBASTIAN BROTHERS MERCHANDISE CO	4.0	11.9	8.5	100
	5 10 5M				
220	WOOTEN GROCERY & FEED STORE	4.9	10.0	5.9	102
8309	WOOTEN GROCERY & FEED STORE	4.7*	10.4	7.1	105
	5 10 10M				
131	WOOTEN GROCERY & FEED STORE	4.7*	10.1	9.8	98*
221	WOOTEN GROCERY & FEED STORE	4.9	9.5*	10.1	97*
1398	WILSON BROTHERS	5.2	9.3*	10.6	100
1486	GENTRY MCCAULEY	5.0	9.6*	9.9	98*
3066	ORMOND LEWIS	4.9	9.7*	10.6	99
3135	FOUR BROTHERS GROCERY	4.9	10.2	10.4	101
	5 10 15S				
114	ESTIS BROTHERS	5.0	9.7*	15.0	99
162	LETCHER SIMPSON	5.0	10.1	15.0	100
1176	JOHN B PENN	4.9	10.3	14.2*	99
1399	WILSON BROTHERS	4.8	9.9	15.0	98*
1499	JOHN B PENN COMPANY	4.9	10.3	14.5*	100
3064	ORMOND LEWIS	5.0	10.1	14.6*	100
8307	WOOTEN GROCERY & FEED STORE	4.9	9.5*	15.2	98*
	6 6 18S				
1177	JOHN B PENN	6.1	6.4	18.1	103
1270	GENTRY MCCAULEY	6.0	6.7	17.6*	102
1500	JOHN B PENN COMPANY	6.0	6.6	16.4*	99
	6 8 6S				
109	JETTS GROCERY	5.9	8.0	6.7	101
1082	MCCAULEY BROTHERS SEED COMPANY	6.2	7.7*	6.5	101
1269	GENTRY MCCAULEY	6.0	8.0	6.7	102
1372	JOHN B PENN COMPANY	6.0	8.3	6.5	103
3065	ORMOND LEWIS	5.9	8.4	6.6	103

(1) EXCESS MURIATE EQUIVALENT TO 2.0% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>BURLEY BELT PLANT FOOD WKS CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
	10 10 10M				
161	HARRY RICHARDSON	9.6*	10.1	10.9	100
1083	MCCAULEY BROTHERS SEED COMPANY	9.9	9.9	10.4	100
1485	MCCAULEY BROTHERS SEED COMPANY	9.7*	10.5	10.1	100
3063	ORMOND LEWIS	9.8	10.2	10.5	101
3136	FOUR BROTHERS GROCERY	9.7*	10.6	10.3	101
<u>CHILEAN NITRATE SALES CORPORATION</u>					
	16 NITRATE OF SODA				
2148	A C ROBERTS	16.1			101
3094	CAMARGO FARMERS SUPPLY	16.0			99
9082	H D JONES	16.2			101
<u>COMMERCIAL SOLVENTS CORPORATION</u>					
	33 5 AMMONIUM NITRATE				
3023	J T LAWSON HARDWARE COMPANY	33.9			101
3208	LOGAN & HALL	33.6			100
<u>COMMONWEALTH FERTILIZER COMPANY</u>					
	0 20 20M				
2114	COMMONWEALTH FERTILIZER COMPANY		20.4	21.3	104
2305	JOHN R WADDINGTON		21.4	19.1*	103
2336	COMMONWEALTH FERTILIZER COMPANY		21.0	19.6*	103
2420	C B WILCUTT		20.5	22.2	105
	3 9 6M				
4035	GREENES FEED STORE	3.1	9.6	6.4	106
4171	MCKNIGHTS FARM STORE	3.2	9.2	6.2	104
	3 12 12M				
2166	M G WILLIAMS IMPLEMENT COMPANY	3.3	11.9	12.0	102
4036	GREENES FEED STORE	3.3	12.2	12.1	103
	4 12 8M				
2167	M G WILLIAMS IMPLEMENT COMPANY	4.4	11.7*	7.7*	101
2335	COMMONWEALTH FERTILIZER COMPANY	4.3	11.2*	9.2	101
2399	FARMERS SUPPLY STORE MORGANTOWN	3.9	12.1	8.1	100
4037	GREENES FEED STORE	4.2	11.9	7.9	101
	5 10 10S				
2219	COMMONWEALTH FERTILIZER COMPANY	4.7*	11.0	9.4*	101
	5 10 15S				
2115	COMMONWEALTH FERTILIZER COMPANY	5.1	9.8	15.0	100
2304	THAD RILEY	4.9	10.0	15.1	100
2422	C B WILCUTT	5.2	10.2	15.4	103
2423	JOHN O HITE	5.3	9.9	15.7	103
	6 8 6M				
4038	GREENES FEED STORE	6.3	8.7	6.6	107
4172	MCKNIGHTS FARM STORE	6.0	8.2	6.9	103
	6 12 12M				
2083	MONROE BROS SWEET FEED MILL	6.0	11.8	12.6	100
2112	COMMONWEALTH FERTILIZER COMPANY	6.1	11.7*	12.4	100
4173	MCKNIGHTS FARM STORE	6.1	11.9	12.0	100
	10 10 10M				
2113	COMMONWEALTH FERTILIZER COMPANY	9.6*	10.8	10.3	101
2334	COMMONWEALTH FERTILIZER COMPANY	10.2	10.2	10.1	102
2419	O H INGRAM	9.9	9.9	10.5	100
2421	JOHN R WADDINGTON	10.2	10.1	11.2	103

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>COMMONWEALTH FERT CO CONTINUED</u>					
2082	20 SUPERPHOSPHATE MONROE BROS SWEET FEED MILL		20.2		101
2234	6 16 0 FOR MIXED TO ORDER USE FARMERS FERTILIZER CO SMITH GROVE	6.0	16.0		100
<u>CONSOLIDATED CHEMICAL COMPANY</u>					
1008	6 8 6S OSCAR FARMER & SON	6.1	8.8	7.4	108
1444	VALLEY FARM STORE	6.4	8.1	7.9 (1)	108
1007	20 SUPERPHOSPHATE OSCAR FARMER & SON		20.6		107
<u>COOPERATIVE FERTILIZER SERVICE</u>					
31	0 14 14M 3LB BORAX PER 100 (2) RALPH HOVIOUS		14.0	15.4	103
2020	MORRISON & WALLACE		14.8	14.8	106
2046	SOUTHERN STATES COOP CAMPBELLSVILLE		14.7	14.4	104
2089	SOUTHERN STATES BOWLING GREEN COOP		13.8	15.0	101
2170	SOUTHERN STATES HOPKINSVILLE COOP		14.4	14.5	103
2400	SOUTHERN STATES SIMPSON COOP		15.2	11.9*	101
3104	SOUTHERN STATES COOP CARLISLE		14.0	15.2	103
3262	SOUTHERN STATES COOP CARLISLE		13.7*	14.9	101
3324	SOUTHERN STATES FLEMINGSBURG COOP		13.8	15.5	103
4202	HANCOCK COUNTY FARM SUPPLY		14.0	15.9	105
8652	TRIMBLE COUNTY FARM BUREAU COOP		14.8	15.0	106
8933	HENRY COUNTY FARM & HOME SERVICE		14.9	14.7	106
7	0 30 30M FARMERS SUPPLY COMPANY MONTICELLO	30.1	29.2*		99
89	MCWHORTER BROTHERS	30.0	29.0*		99
97	SOUTHERN STATES COOP SOMERSET	30.8	30.3		102
110	DEATON BROTHERS	31.4	30.0		103
132	PERRY COUNTY FARM SUPPLY	31.1	30.2		103
139	RALPH HOVIOUS	30.6	31.8		103
164	LINCOLN FARM SERVICE	30.9	30.2		102
251	CASEY COUNTY FARM SUPPLY	31.5	30.0		103
279	WHITLEY COUNTY FARM SUPPLY	27.5*	31.1		96*
1022	SOUTHERN STATES COOP BOWLING GREEN	29.6	30.1		99
1116	CARROLL COUNTY FARM BUREAU COOP	29.9	29.7		99
1181	SOUTHERN STATES LAGRANGE COOP	30.3	29.2*		100
1220	SOUTHERN STATES BARDSTOWN COOP	30.0	29.9		100
1442	SOUTHERN STATES LOUISVILLE COOP	30.5	29.6		101
1504	CARROLL COUNTY FARM BUREAU COOP	28.5*	27.1*		93*
2071	EDMONSON COUNTY FARMERS COOP	30.0	30.7		101
2139	FARMERS EXCHANGE STORE BURKSVILLE	30.2	29.7		100
2168	SOUTHERN STATES HOPKINSVILLE COOP	30.0	29.3*		99
2205	FARMERS SERVICE STORE HARDINSBURG	30.2	31.7		102
2349	SOUTHERN STATES HARDIN COOP	30.5	30.0		101
2386	ADAIR FARMERS SERVICE	30.1	29.5		100
3034	SOUTHERN STATES COOP FLEMINGSBURG	31.5	29.5		103
3161	FARMERS SUPPLY COMPANY CATLETTSBURG	30.3	30.5		101
3182	SOUTHERN STATES LEXINGTON COOP	32.2	30.3		105
3202	SOUTHERN STATES FLEMINGSBURG COOP	31.3	30.9		104
3267	FARM & HOME STORE	30.7	30.4		102
4203	HANCOCK COUNTY FARM SUPPLY	30.8	30.3		102
4401	K R MCKINNEY & SON	29.9	30.5		100
8303	PERRY COUNTY FARM SUPPLY	29.0*	30.3		98*
8914	SOUTHERN STATES GEORGETOWN COOP	29.6	30.0		99
9020	TRI COUNTY FARM SUPPLY	29.3*	31.3		100
9066	FARMERS SERVICE TOMPKINSVILLE	29.9	30.2		100
9139	REXROAT SUPPLY COMPANY	30.0	29.9		100
127	2 12 6M JACKSON COUNTY FARM SERVICE	2.2	12.3	6.6	105
1503	TRIMBLE COUNTY FARM BUREAU COOP	2.6	12.2	6.4	107
2220	FARMERS SUPPLY STORE MORGANTOWN	2.1	12.4	6.7	105
8720	AMBURGEYS FARM SUPPLY	2.1	11.9	6.6	102
8985	CAMARGO FARMERS SUPPLY	2.1	12.3	6.6	104

(1) EXCESS MURIATE EQUIVALENT TO 1.3% POTASH

(2) SEE BORON TABLE - PAGE 58

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 FERT SERVICE CONTINUED</i>					
<i>2 12 12M</i>					
286	FIELDS GRAIN & FEED COMPANY	2.1	12.5	12.0	103
<i>3 12 12M</i>					
86	ROBERT MCCORMICK	3.1	11.6*	12.4	100
197	FARMERS SUPPLY COMPANY MONTICELLO	3.0	12.2	12.6	102
267	TEATER & CASSITY	3.1	12.0	12.7	102
274	FARMERS EXCHANGE LANCASTER	3.1	12.0	13.1	103
1183	SOUTHERN STATES LAGRANGE COOP	3.2	12.2	13.4	105
1282	CARROLL COUNTY FARM BUREAU COOP	3.2	12.3	12.9	105
2014	SOUTHERN STATES SIMPSON COOP	2.9	12.2	12.3	101
2028	FARMERS SERVICE STORE HARDINSBURG	3.1	12.1	12.5	102
2140	FARMERS EXCHANGE STORE BURKESVILLE	3.2	11.9	12.6	102
2235	STINSON FARM SUPPLY	3.3	12.2	12.1	103
2361	FARMERS SERVICE STORE HARDINSBURG	3.2	12.1	13.0	104
4111	SOUTHERN STATES CRITTENDEN COOP	3.1	12.0	12.5	102
4204	HANCOCK COUNTY FARM SUPPLY	3.2	12.6	12.8	106
8356	SOUTHERN STATES COOPERATIVE SOMERSET	3.0	12.2	13.2	104
8365	ADAIR FARMERS SERVICE	3.2	12.2	11.9	102
8650	TRIMBLE COUNTY FARM BUREAU COOP	3.2	12.2	12.8	104
8706	SOUTHERN STATES ASHLAND COOP	2.9	12.2	12.7	102
8721	AMBURGEYS FARM SUPPLY	3.1	12.4	12.3	103
8932	HENRY COUNTY FARM & HOME SERVICE	3.0	11.9	12.6	101
8981	CAMARGO FARMERS SUPPLY	3.0	12.4	13.1	104
9064	FARMERS SERVICE TOMPKINSVILLE	3.1	12.6	12.1	104
9138	REXROAT SUPPLY COMPANY	3.2	12.2	12.3	103
<i>4 12 8M</i>					
141	CASEY COUNTY FARM SUPPLY	4.0	12.2	9.2	104
152	FARMERS EXCHANGE LANCASTER	4.0	12.0	8.8	102
179	HARLAN FARMERS SUPPLY	4.1	12.4	8.7	104
185	REXROAT SUPPLY COMPANY	4.3	12.1	8.8	104
217	DEATON BROTHERS	4.1	12.0	8.9	103
280	WHITLEY COUNTY FARM SUPPLY	4.2	12.0	9.0	103
298	SOUTHERN STATES SOMERSET COOP	4.1	11.9	8.8	102
1222	SOUTHERN STATES BARDSTOWN COOP	3.9	12.0	8.4	100
1227	CASH VARIETY STORE	4.2	12.4	8.9	105
1283	TRIMBLE COUNTY FARM BUREAU COOP	4.1	12.3	8.6	103
2022	MEADE FARMERS SUPPLY	4.2	12.0	8.8	103
2027	FARMERS SERVICE STORE HARDINSBURG	4.2	11.9	8.4	102
2156	SOUTHERN STATES GLASGOW COOP	4.2	12.2	8.7	104
2273	FARMERS SERVICE TOMPKINSVILLE	4.1	11.7*	8.8	101
2385	FARMERS EXCHANGE COMPANY BURKESVILLE	4.0	11.9	8.6	101
3010	SOUTHERN STATES MAYSVILLE COOP	4.0	12.5	9.8	106
3044	S S CAMPBELL COOPERATIVE	4.3	11.8	9.0	103
3264	CABLES FARM SUPPLY	3.9	12.7	8.1	103
4112	SOUTHERN STATES CRITTENDEN COOP	4.1	12.0	8.5	102
4205	HANCOCK COUNTY FARM SUPPLY	4.1	12.0	8.8	103
8304	PERRY COUNTY FARM SUPPLY	3.9	12.3	8.4	102
8322	SOUTHERN STATES COOPERATIVE LONDON	4.0	12.1	8.5	102
8367	ADAIR FARMERS SERVICE	4.1	11.9	8.6	102
8707	SOUTHERN STATES ASHLAND COOP	3.9	12.2	9.0	102
9036	SOUTHERN STATES HARRODSBURG COOP	4.0	12.6	8.4	104
9078	ALLEN COUNTY FARMERS SERVICE	4.1	12.5	9.0	105
9135	REXROAT SUPPLY COMPANY	4.1	12.0	8.4	102
<i>4 12 12M</i>					
289	HARLAN FARMERS SUPPLY	4.2	10.7*	12.4	97*
<i>5 10 10M</i>					
123	HARRISON FARM SUPPLY	5.1	10.1	11.4	104
196	FARMERS SUPPLY COMPANY MONTICELLO	5.0	10.0	10.6	101
222	PERRY COUNTY FARM SUPPLY	5.0	10.6	9.9	102
254	RICHMOND FARM SERVICE	5.2	10.5	10.8	105
1014	STEWART & COMPANY	4.9	9.9	10.8	101
1038	WASHINGTON FARM SERVICE	5.1	10.1	10.6	102
1149	SOUTHERN STATES HARRODSBURG COOP	4.9	10.4	11.0	103
1209	SOUTHERN STATES LOUISVILLE COOP	5.1	10.1	10.7	103
1211	A H SIMPSON	5.1	10.0	10.4	102
1256	HENRY COUNTY FARM & HOME SERVICE	5.0	10.4	10.2	102
1342	SOUTHERN STATES HARRODSBURG COOP	5.2	9.9	10.4	102
1407	SOUTHERN STATES BOYLE COOP	5.3	10.0	11.5	105
2029	FARMERS SERVICE STORE HARDINSBURG	4.9	10.0	10.6	101
2155	SOUTHERN STATES GLASGOW COOP	6.0	10.1	10.6	108
2296	EDMONSON COUNTY FARMERS COOP	5.2	10.0	10.1	102
4206	HANCOCK COUNTY FARM SUPPLY	5.2	10.2	10.7	104
8366	ADAIR FARMERS SERVICE	5.0	10.0	10.7	102
8708	SOUTHERN STATES ASHLAND COOP	5.0	10.1	10.5	102
8815	K R MCKINNEY & SON	5.0	10.1	10.5	102
8906	SOUTHERN STATES BARDSTOWN COOP	5.2	10.5	10.6	105

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 FERT SERVICE CONTINUED</i>					
<i>5 10 10M CONTINUED</i>					
8969	SOUTHERN STATES LEXINGTON COOP	5.1	9.7*	10.6	101
8986	CAMARGO FARMERS SUPPLY	5.0	10.9	10.6	105
9002	FARMERS SUPPLY COMPANY PAINTSVILLE	5.1	10.2	11.1	104
9065	FARMERS SERVICE TOMPKINSVILLE	5.1	10.2	10.1	102
9137	REXROAT SUPPLY COMPANY	5.1	10.3	10.0	102
<i>5 10 15S</i>					
6	FARMERS SUPPLY COMPANY MONTICELLO	5.0	10.5	15.2	102
56	TAYLOR FARM SERVICE	5.1	10.4	15.5	103
85	ROBERT MCCORMICK	5.0	11.2	14.9	105
90	MCWHORTER BROTHERS	5.1	10.8	15.0	104
113	FARM & HOME SUPPLY IRVINE	5.1	10.3	15.4	103
119	RICHMOND FARM SERVICE	5.0	10.4	15.0	102
151	FARMERS EXCHANGE LANCASTER	4.9	10.4	15.4	102
163	LINCOLN FARM SERVICE	5.0	10.4	15.2	102
173	GIBSONS FARM & HOME SERVICE	5.1	10.9	14.1*	102
184	REXROAT SUPPLY COMPANY	4.9	10.2	15.8	102
216	DEATON BROTHERS	5.0	10.0	15.6	101
250	CASEY COUNTY FARM SUPPLY	5.0	10.6	15.2	103
253	RALPH HOVIOUS	4.9	11.0	15.0 (1)	103
255	RICHMOND FARM SERVICE	4.9	10.7	15.5	103
266	TEATER & CASSITY	4.9	10.5	15.0	101
273	FARMERS EXCHANGE LANCASTER	5.1	10.3	15.0	102
281	WHITLEY COUNTY FARM SUPPLY	5.1	10.2	15.0	101
302	PERRY COUNTY FARM SUPPLY	4.8	11.8	14.5*	105
1131	LIPSCOMB FARM SUPPLY	4.9	10.8	15.0	103
1137	ANDERSON FARM SERVICE	5.1	10.3	15.0	102
1182	SOUTHERN STATES LAGRANGE COOP	5.0	10.7	15.6	104
1212	A H SIMPSON	5.2	10.2	14.9	102
1221	SOUTHERN STATES BARDSTOWN COOP	5.2	10.1	15.5	103
1228	CASH VARIETY STORE	5.0	10.2	15.0	101
1262	WARNER BURGE	5.0	10.3	15.4	102
1276	D S GREENE	5.1	10.9	15.5	105
1319	J H BROOKSHIRE	5.0	10.8	15.3	104
1360	W T GREEN	5.0	10.5	15.3	103
1363	R H LINK	5.0	10.2	15.1	101
1385	C W BARNETT	4.9	10.4	15.3	102
1441	SOUTHERN STATES LOUISVILLE COOP	4.8	10.8	14.9 (2)	102
1477	SOUTHERN STATES FRANKFORT COOP	4.9	10.5	15.0	101
2021	MORRISON & WALLACE	5.0	10.5	15.2	102
2091	SOUTHERN STATES BOWLING GREEN COOP	5.1	10.9	14.8	104
2133	METCALFE COUNTY FARM SUPPLY	5.0	10.6	15.6	104
2204	FARMERS SERVICE STORE HARDINSBURG	5.2	10.4	15.1	103
2236	STINSON FARM SUPPLY	5.0	10.6	16.1	105
2332	ELKTON FARM SUPPLIES	5.2	10.3	15.0	102
2350	SOUTHERN STATES HARDIN COOP	4.9	10.4	15.0	101
2360	FARMERS SERVICE STORE HARDINSBURG	4.9	10.4	15.6	102
2387	ADAIR FARMERS SERVICE	5.1	10.3	15.1	102
2394	SOUTHERN STATES GLASGOW COOP	4.9	10.7	14.9	102
3033	SOUTHERN STATES FLEMINGSBURG COOP	4.9	10.6	15.3	102
3043	S S CAMPBELL COOPERATIVE	4.9	10.6	15.2	102
3055	STANTON FARMERS SUPPLY	5.1	10.4	15.6	103
3095	CAMARGO FARMERS SUPPLY	5.0	10.4	15.3	102
3103	SOUTHERN STATES COOP CARLISLE	5.0	10.5	15.0	102
3126	SOUTHERN STATES CYNTHIANA COOP	5.0	10.7	15.1	103
3150	OWINGSVILLE FARMERS SUPPLY	4.9	10.6	14.6*	101
3158	R R BOGGS	4.5*	10.7	15.4	101
3191	C D WILLIAMS	4.3*	10.7	15.1	99
3213	WOMACK BROTHERS FARM SUPPLY	5.0	10.6	15.0	102
4259	C S MCCULLY	5.1	10.6	15.4	104
4409	HICKORY BILLS FARM STORE	4.9	10.9	15.0	103
8310	RICHMOND FARM SERVICE	5.1	10.3	15.3	102
8321	SOUTHERN STATES COOPERATIVE LONDON	4.9	11.0	15.0	103
8354	SOUTHERN STATES COOPERATIVE SOMERSET	4.5*	10.8	15.5	101
8649	TRIMBLE COUNTY FARM BUREAU COOP	5.1	10.5	15.6	104
8660	SOUTHERN STATES OWENTON COOP	4.3*	10.0	16.1	98*
8665	SOUTHERN STATES FRANKFORT COOP	5.0	10.4	15.3	102
8719	AMBURGEYS FARM SUPPLY	4.4*	10.9	15.3	101
8912	SOUTHERN STATES OWENTON COOP	5.1	10.1	16.1	103
8934	HENRY COUNTY FARM & HOME SERVICE	5.1	10.5	15.0	103
8968	SOUTHERN STATES LEXINGTON COOP	4.9	10.4	15.1	101
8976	BOURBON FARM SERVICE	5.0	10.5	15.5	103
8984	CAMARGO FARMERS SUPPLY	4.3*	11.1	16.2	103
9003	FARMERS SUPPLY COMPANY PAINTSVILLE	4.4*	10.5	16.5	101
9013	SOUTHERN STATES CYNTHIANA COOP	5.1	10.5	14.9	102
9026	SPENCER FARM SERVICE	5.0	10.6	15.8	104
9052	METCALFE COUNTY FARMERS SUPPLY	5.1	10.3	15.6	103
9063	FARMERS SERVICE TOMPKINSVILLE	5.1	11.1	15.7	106
9136	REXROAT SUPPLY COMPANY	5.0	10.1	15.1	101

(1) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 FERT SERVICE CONTINUED</i>					
<i>6 6 18S</i>					
256	RICHMOND FARM SERVICE	6.0	6.5	18.3	103
1027	SOUTHERN STATES COOP FRANKFORT	6.2	6.2	18.0	102
1150	SOUTHERN STATES HARRODSBURG COOP	6.2	6.2	17.9	102
1334	LIPSCOMB FARM SUPPLY	6.1	6.1	18.6	102
1374	L W BENNETT	6.3	6.3	18.1	103
1476	SOUTHERN STATES FRANKFORT COOP	6.4	6.3	18.0	104
3009	SOUTHERN STATES MAYSVILLE COOP	6.0	6.9	17.5*	103
8311	RICHMOND FARM SERVICE	6.2	6.3	18.5	104
8361	TEATER & CASSITY	6.1	5.9	19.0	102
8648	CARROLL COUNTY FARM BUREAU COOP	6.1	6.7	17.6*	103
8664	SOUTHERN STATES FRANKFORT COOP	6.1	6.4	18.1	103
8967	SOUTHERN STATES LEXINGTON COOP	6.0	6.3	17.9	101
8983	CAMARGO FARMERS SUPPLY	6.1	6.2	18.2	102
<i>6 8 6S</i>					
128	OWSLEY FARM SERVICE	6.0	8.4	6.2	103
268	TEATER & CASSITY	6.2	8.6	5.8	104
1098	HENRY COUNTY FARM & HOME SERVICE	6.1	8.0	6.4	102
1280	CARROLL COUNTY FARM BUREAU COOP	5.9	8.1	7.0	102
1302	SOUTHERN STATES FRANKFORT COOP	5.9	8.7	6.1	103
1343	SOUTHERN STATES HARRODSBURG COOP	6.0	8.4	5.9	102
1373	SOUTHERN STATES GEORGETOWN COOP	6.0	8.3	6.3	102
1388	WASHINGTON FARM SERVICE	5.9	7.7*	6.1	98*
1397	SOUTHERN STATES LEBANON COOP	5.9	8.0	6.2	100
2035	MORRISON & WALLACE	5.7*	8.5	6.8	102
2184	JOHNSON FARM SUPPLY	5.9	8.2	6.4	101
2295	EDMONSON COUNTY FARMERS COOP	5.9	8.2	7.0	103
2390	SOUTHERN STATES CAMPBELLSVILLE COOP	5.9	7.9	6.6	100
4260	C S MCCULLY	6.1	8.3	6.5	104
8360	TEATER & CASSITY	6.1	8.0	6.0	101
8916	SOUTHERN STATES GEORGETOWN COOP	6.0	8.5	5.9	102
8966	SOUTHERN STATES LEXINGTON COOP	6.0	8.1	6.5	102
8982	CAMARGO FARMERS SUPPLY	5.9	8.2	6.2	101
9001	FARMERS SUPPLY COMPANY PAINTSVILLE	6.1	8.4	6.0	103
9062	FARMERS SERVICE TOMPKINSVILLE	5.9	8.0	6.0	99
<i>6 12 12M</i>					
1019	SOUTHERN STATES SIMPSON COOP	5.9	11.9	12.5	100
1233	SOUTHERN STATES LABANON COOP	6.0	12.3	13.1	103
1341	SOUTHERN STATES HARRODSBURG COOP	6.0	12.2	12.7	102
2169	SOUTHERN STATES HOPKINSVILLE COOP	6.0	12.3	12.8	103
2254	SOUTHERN STATES CAMPBELLSVILLE COOP	6.1	12.6	11.9	103
2362	FARMERS SERVICE STORE HARDINSBURG	6.2	12.0	12.5	102
3105	SOUTHERN STATES COOP CARLISLE	6.1	12.8	12.3	104
4113	SOUTHERN STATES CRITTENDEN COOP	6.0	12.5	12.5	103
8355	SOUTHERN STATES COOPERATIVE SOMERSET	6.2	11.8	12.3	101
8901	SOUTHERN STATES COOP SHELBYVILLE	6.2	11.9	12.3	101
9045	SOUTHERN STATES LAGRANGE COOPERATIVE	5.9	12.2	12.2	101
<i>8 8 8M</i>					
2047	SOUTHERN STATES COOP CAMPBELLSVILLE	7.8	8.5	8.4	102
2072	EDMONSON COUNTY FARMERS COOP	7.7*	8.3	9.2	102
8359	TEATER & CASSITY	8.3	8.0	8.9	104
8915	SOUTHERN STATES GEORGETOWN COOP	7.5*	9.1	8.4	102
9049	SOUTHERN STATES LOUISVILLE COOP	8.1	8.6	8.9	105
<i>12 12 12M</i>					
3280	MAGOFFIN FARMERS SUPPLY	12.1	13.0	12.4	104
<i>20 SUPERPHOSPHATE</i>					
68	SOUTHERN STATES LONDON COOP		19.9		100
1255	HENRY COUNTY FARM & HOME SERVICE		20.1		100
2034	MORRISON & WALLACE		20.0		100
8659	SOUTHERN STATES OWENTON COOP		20.0		100
8980	CAMARGO FARMERS SUPPLY		20.3		102
<i>62 CALCIUM METAPHOSPHATE</i>					
2171	CHRISTIAN COUNTY FARM DEMON ASSOC		63.0		102
<i>50 SULFATE OF POTASH</i>					
198	FARMERS SUPPLY COMPANY MONTICELLO			48.4*	97*
283	GIBSON FARM & HOME SERVICE			46.2*	92*
1354	ANDERSON COUNTY FARM SERVICE			47.9*	96*
3336	SOUTHERN STATES CAMPBELL COOP			49.5	99



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>COOPERATIVE FERT SERVICE CONTINUED</u>		(Percent)	(Percent)	(Percent)	
51 SULFATE OF POTASH					
1179	SOUTHERN STATES GEORGETOWN COOP			51.4	101
1301	SOUTHERN STATES FRANKFORT COOP			51.4	101
2090	SOUTHERN STATES BOWLING GREEN COOP			51.3	101
8722	AMBURGEYS FARM SUPPLY			51.3	101
8979	CAMARGO FARMERS SUPPLY			51.2	100
52 SULFATE OF POTASH					
1048	SOUTHERN STATES COOP DANVILLE			51.0*	98*
3183	SOUTHERN STATES LEXINGTON COOP			52.0	100
3323	SOUTHERN STATES FLEMINGSBURG COOP			51.9	100
9037	SOUTHERN STATES HARRODSBURG COOP			52.1	100
60 MURIATE OF POTASH					
130	KNOTT COUNTY FARM SERVICE			60.8	101
1493	ANDERSON COUNTY FARM SERVICE			60.8	101
2030	FARMERS SERVICE STORE HARDINSBURG			60.0	100
4400	K R MCKINNEY & SON			62.6	104
<u>DARLING &amp; COMPANY</u>					
0 20 20M					
4223	FARMERS IMPLEMENT & SUPPLY HICKMAN		20.5	20.7	103
4288	T C EDWARDS		19.9	22.1	103
3 9 18M					
4233	FARMERS GIN COMPANY CLINTON	3.1	8.7*	19.1	102
3 12 12M					
4234	FARMERS GIN COMPANY CLINTON	3.4	11.9	13.2	105
4285	T C EDWARDS	2.7*	12.4	12.7	101
8825	GRAVES COUNTY SOIL ASSOCIATION	2.8	12.4	12.4	101
4 12 8M					
4224	FARMERS IMPLEMENT & SUPPLY HICKMAN	4.0	11.7*	9.1	101
8821	BALLARD COUNTY COOPERATIVE	4.0	12.2	8.3	102
8827	GRAVES COUNTY SOIL ASSOCIATION	4.3	12.2	8.6	104
4 16 16M					
4235	FARMERS GIN COMPANY CLINTON	3.9	15.7*	16.3	99
8826	GRAVES COUNTY SOIL ASSOCIATION	3.8	15.6*	16.0	98*
5 10 15M					
8829	GRAVES COUNTY SOIL ASSOCIATION	5.3	10.5	15.3	104
5 10 15S					
4287	T C EDWARDS	5.5	9.3*	16.8 (1)	104
8823	BALLARD COUNTY COOPERATIVE	5.2	10.5	15.3	104
6 12 12M					
4230	FARMERS IMPLEMENT & SUPPLY HICKMAN	6.2	12.6	12.2	104
8822	BALLARD COUNTY COOPERATIVE	6.4	12.2	12.2	103
8828	GRAVES COUNTY SOIL ASSOCIATION	6.5	12.2	12.7	105
10 10 10M					
4286	T C EDWARDS	9.9	10.7	10.7	103
12 12 12M					
4231	FARMERS IMPLEMENT & SUPPLY HICKMAN	12.3	12.7	12.3	104
4236	FARMERS GIN COMPANY CLINTON	11.8	12.8	12.4	102
4277	BARDWELL FEED MILL	12.0	12.6	12.3	102
60 MURIATE OF POTASH					
4122	MOORE SEED & GRAIN COMPANY			60.4	101
4278	BARDWELL FEED MILL			59.9	100

(1) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>DAVISON CHEMICAL CORPORATION</i>		(Percent)	(Percent)	(Percent)	
	<i>0 12 12M</i>				
2151	ALLEN COUNTY FARMERS SERVICE		12.4	12.5	104
	<i>0 20 20M</i>				
1017	GILLISPIE SEED COMPANY		20.2	20.3	101
2149	ALLEN COUNTY FARMERS SERVICE		20.9	20.8	104
4012	BARNETTS FEED STORE		20.8	20.9	104
	<i>0 20 20M 4LB BORAX PER 100 (1)</i>				
2013	DEWEY STRICKLER		18.3*	17.8*	91*
4125	BARNETTS FEED STORE		17.6*	17.1*	87*
	<i>0 25 25M</i>				
140	TARTER FEED MILL		27.5	22.9*	104
1180	DUNCAN HUGHES COMPANY		26.3	26.8	106
1189	HANCOCKS FEED STORE		26.4	25.3	104
4265	BAKER PHOSPHATE & FERTILIZER SERVICE		25.3	23.7*	99
	<i>2 12 6M</i>				
2086	R D REYNOLDS	2.6	12.0	8.2	111
4073	CERULEAN SEED & FEED STORE	3.2	12.0	8.2	116
4145	FARMERS COOPERATIVE MADISONVILLE	3.1	11.8	7.9	113
9108	GRAYS & BISHOP	2.8	11.5*	7.6	108
9131	CRAFT GROCERY	3.1	11.0*	7.7	108
	<i>3 9 6M</i>				
176	BELL COUNTY SUPPLY COMPANY	3.1	10.0	6.2	108
2079	FRANK HENRY	2.9	9.1	6.6	102
4261	W I SMITH GENERAL STORE	3.2	9.6	7.7	111
	<i>3 12 6M</i>				
2093	R L WEAVER GENERAL STORE	3.2	12.1	8.0	107
	<i>3 12 12M</i>				
39	DISHON FEED MILL	3.4	12.3	12.2	104
160	MT VERNON PRODUCE COMPANY	3.2	12.3	12.9	105
166	DISHON CUSTOM MIXING	3.1	12.4	12.3	103
168	STANFORD PRODUCE	3.0	12.5	12.4	103
1080	CLIMAX ROLLER MILLS	3.2	12.1	13.2	104
1096	DOTSONS FARM SERVICE	3.1	12.3	11.9	102
1190	HANCOCKS FEED STORE	3.2	12.5	12.5	105
1257	DOTSON FARM SERVICE	3.1	12.0	13.0	103
2011	GILLISPIE SEED COMPANY	3.2	12.0	11.8	101
2123	HENRY DURHAM HARDWARE	3.4	13.2	13.2	111
2260	DURHAM HARDWARE	3.3	12.1	12.8	104
2337	JOHNSON & ASHLY HARDWARE	3.1	12.0	11.9	100
3206	LOGAN & HALL	3.3	11.7*	12.6	102
4013	BARNETTS FEED STORE	2.9	13.1	10.6*	102
4022	WABASH ELEVATOR COMPANY	3.8	12.5	11.9	107
4146	FARMERS COOPERATIVE MADISONVILLE	2.9	12.3	11.5*	100
4188	GALLOWAY SEED COMPANY	3.2	12.1	13.1	104
4262	W I SMITH GENERAL STORE	3.3	12.6	12.9	107
8907	JEWELL & HAYDEN COMPANY	3.2	11.7*	12.6	101
9040	DUNCAN HUGHES COMPANY	3.2	11.9	12.7	102
9104	GRAYS & BISHOP	2.8	12.2	9.7*	94*
9148	STOCKTON BROS	3.2	12.2	11.9	102
	<i>4 12 8M</i>				
25	MT VERNON PRODUCE COMPANY	4.1	11.7*	8.9	101
84	H & H WHOLESALE COMPANY	3.7*	12.0	8.5	99
125	CHARLES CLICK	4.0	13.1	8.5	106
1009	HANCOCKS FEED STORE	4.0	11.9	8.2	100
2006	STEWART & COMPANY	4.1	11.9	8.6	102
2085	R D REYNOLDS	3.9	12.3	8.4	102
2241	STEWART & COMPANY	4.0	12.7	8.4	104
2392	GILLISPIE SEED COMPANY	4.2	13.0	8.3	107
3329	ELWOOD LOGAN	3.6*	11.9	9.6	100
4030	GEORGE PATMOR & SON	3.9	12.1	8.6	101
4033	MAXWELL FEED STORE	4.0	12.2	8.6	102
4069	LYNN GROVE FEED & SEED COMPANY	4.0	12.3	7.8	101
9077	ALLEN COUNTY FARMERS SERVICE	4.1	12.2	9.5	105

(1) SEE BORON TABLE - PAGE 58

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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
DAVISON CHEM CORP CONTINUED		(Percent)	(Percent)	(Percent)	
4 16 16M					
2252	SHIPP SEED HOUSE	4.3	16.5	15.0*	102
2406	GREENVILLE IMPLEMENT COMPANY	3.9	14.9*	16.1	96*
4014	BARNETTS FEED STORE	3.7*	16.7	16.8	102
4026	WABASH ELEVATOR COMPANY	3.8	17.2	15.2*	102
4148	FARMERS COOPERATIVE MADISONVILLE	4.0	16.6	15.5*	101
8908	JEWELL & HAYDEN COMPANY	4.0	15.7*	17.2	101
5 10 10M					
76	MCCARTHY FARM SERVICE	5.4	10.7	11.0	108
2225	F M SNODGRASS HARDWARE	4.5*	9.9	9.9	96*
3207	LOGAN & HALL	5.1	10.5	10.5	104
3330	ELWOOD LOGAN	5.2	10.3	10.5	104
4028	RUARK TRUCK LINES	4.9	10.4	10.6	102
4147	FARMERS COOPERATIVE MADISONVILLE	5.0	10.1	11.0	103
4322	BENNETT FARM SUPPLY	4.4*	10.6	8.6*	96*
5 10 15S					
24	MT VERNON PRODUCE COMPANY	4.9	9.9	15.0 (1)	99
40	DISHON CUSTOM MILL	4.9	10.0	14.9	99
124	CHARLES CLICK	5.0	10.1	14.9 (2)	100
1059	J H LYONS & SON	4.9	10.7	14.3*	101
1079	CLIMAX ROLLER MILLS	4.9	11.3	16.1	107
1097	DOTSONS FARM SERVICE	5.1	10.8	16.1	106
1110	WARSAW HARDWARE	4.5*	11.3	16.2 (3)	105
1166	F C BURD	4.8	10.6	15.6 (4)	99
1272	GENTRY MCCAULEY	4.5*	9.6*	16.7 (5)	99
1452	JONES HARDWARE COMPANY	4.8	10.8	15.0 (6)	102
2080	FRANK HENRY	5.3	10.5	15.1 (7)	104
2196	FULKERSON BROTHERS	4.8	11.8	16.4 (8)	109
2240	STEWART & COMPANY	4.8	10.7	15.5 (9)	103
2290	GILLISPIE SEED COMPANY	5.2	9.6*	17.1	104
2389	HENRY DURHAM HARDWARE	4.9	10.8	16.3 (10)	105
2407	GREENVILLE IMPLEMENT COMPANY	5.1	11.3	13.1*(11)	102
3328	ELWOOD LOGAN	4.8	10.8	14.8	102
4049	FARMERS COOPERATIVE MADISONVILLE	4.8	10.3	14.3*	99
4211	SMITH & REYNOLDS	5.1	10.7	15.0	103
8323	ORLAND MCGEE	4.7*	11.0	15.7 (12)	104
8655	DILLARD STANLEY	5.0	11.0	16.3	107
8831	GRAVES COUNTY SOIL ASSOCIATION	5.4	10.5	16.0	106
8951	C S BRENT SEED COMPANY	4.9	11.1	16.0	106
9041	DUNCAN HUGHES COMPANY	4.9	11.0	16.3	106
9132	CRAFT GROCERY	4.8	10.2	15.5 (13)	101
5 10 15S PESTICIDE					
4337	MARSHALL COUNTY SOIL IMPROV ASSOC (14)	5.0	10.5	14.9	102
5 20 20M					
165	WALTER MULLINS	4.7*	19.8	20.6	99
169	STANFORD PRODUCE	4.9	21.0	18.8*	101
1309	CLIMAX ROLLER MILLS	4.7*	19.2*	21.1	98*
2291	GILLISPIE SEED COMPANY	4.7*	21.9	17.9*	101
4011	T W MOORE & SON	4.7*	20.0	18.5*	97*
4023	WABASH ELEVATOR COMPANY	4.8	20.7	20.0	101
4149	FARMERS COOPERATIVE MADISONVILLE	4.5*	20.4	19.8	99
4159	LAND O NAN WAREHOUSE	5.0	19.7*	19.2*	98*
6 8 6M					
1109	WARSAW HARDWARE	5.6*	7.7*	5.9	95*
1194	BUECHEL PRODUCE EXCHANGE	5.2*	8.9	6.2	99
1205	CORBETTS FEED STORE	6.0	8.4	7.1	105
1443	CORBETTS FEED STORE	5.3*	8.8	7.4	102
1464	BUECHEL PRODUCE EXCHANGE	5.6*	8.2	7.3	101
2186	GREENVILLE IMPLEMENT COMPANY	5.9	8.6	6.0	102
2331	CAYCE YOST	5.6*	9.0	6.9	104
4047	FARMERS COOPERATIVE MADISONVILLE	6.0	8.6	6.2	104
4074	CERULEAN SEED & FEED STORE	5.9	8.3	6.1	101
4209	SMITH & REYNOLDS	5.9	8.1	6.2	100
8792	WEAVERTON MILLING COMPANY	5.9	9.5	7.2	110
8953	C S BRENT SEED COMPANY	6.1	7.9	7.3	104

(1) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH  
 (2) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH  
 (3) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH  
 (4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH  
 (5) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH  
 (6) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
 (7) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH

(8) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
 (9) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH  
 (10) EXCESS MURIATE EQUIVALENT TO 1.8% POTASH  
 (11) EXCESS MURIATE EQUIVALENT TO 1.7% POTASH  
 (12) EXCESS MURIATE EQUIVALENT TO 1.4% POTASH  
 (13) EXCESS MURIATE EQUIVALENT TO 1.3% POTASH  
 (14) ALDRIN GUARANTEED 0.5%-----FOUND .35%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>DAVISON CHEM CORP CONTINUED</i>		(Percent)	(Percent)	(Percent)	
<i>6 8 6S</i>					
43	DAN F HENDRIX	5.5*	7.9	6.7	98*
175	BECKAM GARLAND	5.6*	8.4	6.8 (1)	101
252	TARTER FEED MILL	5.7*	9.6	7.0 (2)	108
1193	BUECHEL PRODUCE EXCHANGE	5.7*	7.8	6.1	97*
1271	GENTRY MCCAULEY	5.5*	7.9	7.0	98*
1463	BUECHEL PRODUCE EXCHANGE	5.5*	9.3	7.7 (3)	107
2150	ALLEN COUNTY FARMERS SERVICE	5.8	8.8	7.4 (4)	106
2237	STINSON FARM SUPPLY	5.6*	8.8	7.5 (5)	105
2372	CANEYVILLE ROLLER MILL	5.4*	8.6	7.5 (6)	102
4050	FARMERS COOPERATIVE MADISONVILLE	5.8	8.1	6.6 (7)	101
4075	CERULEAN SEED & FEED STORE	6.0	8.7	6.4	105
4201	KINCAID GENERAL MERCHANDISE	5.6*	7.5*	6.2	95*
4312	ELDRED HARDWARE COMPANY	5.8	8.6	6.5 (8)	103
8952	C S BRENT SEED COMPANY	5.1*	10.0	6.7	105
9105	GRAYS & BISHOP	5.2*	8.7	6.8 (9)	100
9133	CRAFT GROCERY	5.6*	9.5	7.1	107
<i>6 12 12M</i>					
2223	F M SNODGRASS HARDWARE	5.8	12.3	12.3	101
2330	CAYCE YOST	5.8	12.2	12.3	100
4015	BARNETTS FEED STORE	5.8	12.5	12.2	101
4024	WABASH ELEVATOR COMPANY	5.7*	13.2	11.2*	101
4123	MOORE SEED & GRAIN COMPANY	5.8	12.6	11.7*	101
4210	SMITH & REYNOLDS	5.7*	12.1	13.1	101
<i>8 8 8M</i>					
4048	FARMERS COOPERATIVE MADISONVILLE	7.8	8.5	7.9	101
4323	BENNETT FARM SUPPLY	8.1	8.9	8.2	105
<i>10 10 10M</i>					
2010	GILLISPIE SEED COMPANY	9.8	10.8	10.5	103
2185	GREENVILLE IMPLEMENT COMPANY	9.0*	11.3	10.4	100
2224	F M SNODGRASS HARDWARE	9.2*	10.9	10.6	100
2283	GREENVILLE IMPLEMENT COMPANY	9.3*	11.4	9.9	101
2338	JOHNSON & ASHLY HARDWARE	9.7*	10.3	10.3	100
2398	MORGANTOWN FEED MILL	8.1*	11.9	10.1	97*
4025	WABASH ELEVATOR COMPANY	10.3	10.5	10.8	105
4051	H B LENEAVE & SON	10.0	10.7	10.0	102
4124	MOORE SEED & GRAIN COMPANY	9.7*	10.6	11.2	103
4399	PADUCAH HATCHERY & FEED STORE	9.5*	10.2	9.9	98*
<i>12 12 12M</i>					
204	DEWEY M DAULTON	12.7	12.6	12.5	105
1186	GEIGERS HARDWARE	11.9	13.0	13.0	104
1192	BUECHEL PRODUCE EXCHANGE	11.9	12.4	12.8	102
1359	W T GREEN	12.3	13.1	11.9	104
1451	JONES HARDWARE COMPANY	11.6*	12.9	12.7	102
1475	FRANKLIN COUNTY HATCHERY	11.8	12.6	12.6	102
2261	DURHAM HARDWARE	11.7*	12.5	12.7	101
<i>15 15 15M</i>					
1440	DUNCAN HUGHES COMPANY	14.9	15.3	15.1	100
2397	MORGANTOWN FEED MILL	15.2	15.6	14.3*	101
4237	MOORE SEED & GRAIN COMPANY	15.4	15.0	14.7*	101
4242	GALLOWAY SEED COMPANY	15.4	14.9	14.9	101
<i>20 SUPERPHOSPHATE</i>					
1018	DEWEY STRICKLER		21.0		105
1060	J H LYONS & SON		20.9		105
4046	FARMERS COOPERATIVE MADISONVILLE		20.9		105
4072	CERULEAN SEED & FEED STORE		21.2		106
4398	PADUCAH HATCHERY & FEED STORE		21.2		106
9111	GRAYS & BISHOP		20.1		100
<i>50 SULFATE OF POTASH</i>					
1310	CLIMAX ROLLER MILLS			51.2	102
2074	HAYS FEED MILL			50.0	100
2084	R D REYNOLDS			50.7	101
4143	FARMERS COOPERATIVE MADISONVILLE			47.4*	95*

(1) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
 (2) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH  
 (3) EXCESS MURIATE EQUIVALENT TO 2.3% POTASH  
 (4) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH  
 (5) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(6) EXCESS MURIATE EQUIVALENT TO 2.8% POTASH  
 (7) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
 (8) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH  
 (9) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>DAVISON CHEM CORP CONTINUED</u>					
4144	60 MURIATE OF POTASH FARMERS COOPERATIVE MADISONVILLE			57.9*	97*
<u>E I DUPONT DE NEMOURS &amp; COMPANY</u>					
4416	45 NU GREEN FEDERAL CHEMICAL COMPANY	45.5			101
<u>J H ERBRICH PRODUCTS COMPANY</u>					
8302	6 18 6M LIQUID COLUMBIA BUILDING & SUPPLY COMPANY	6.3	18.7	6.8	105
<u>E TOWN FERTILIZER COMPANY</u>					
2193	2 12 6M E TOWN FERTILIZER COMPANY	2.3	12.1	6.7	105
2195	3 12 12M E TOWN FERTILIZER COMPANY	3.3	12.2	13.3	106
2374	4 16 16M E TOWN FERTILIZER COMPANY	4.4	16.9	16.0	105
2194	5 10 10M E TOWN FERTILIZER COMPANY	5.2	10.1	10.4	103
2191	5 10 15S E TOWN FERTILIZER COMPANY	5.1	10.9	15.0	104
2192	6 8 6S E TOWN FERTILIZER COMPANY	6.2	8.5	6.4	105
<u>FARMERS FERTILIZER COMPANY</u>					
2278	3 9 6M FARMERS FERTILIZER CO SMITH GROVE	3.1	9.2	5.9	102
2344	RUSSELL BECKNER	3.2	9.6	6.8	108
2279	3 9 18M BOHANNAN & SON	4.6	8.8	20.4	115
2393	3 12 12M 5LB BORAX PER 100 (1) CHARLES MOREHEAD	3.7	11.2*	12.3	102
2342	4 12 8M CLIFF PERKINS	3.9	12.2	8.9	102
2343	5 10 10M EARL HOUCHEMS	5.1	10.4	10.2	103
2345	10 10 10M EARL KING	10.3	9.7*	9.2*	99
2346	C B LOWE & SON	10.8	10.1	9.0*	103
2233	MIXED TO ORDER FARMERS FERTILIZER CO SMITH GROVE	8.6*	14.7		98*
2347	IVAN GARRISON	9.8	14.5*	7.6*	97*

(1) SEE BORON TABLE - PAGE 58

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 CHEMICAL COMPANY</u>					
	0 9 27M 5LB BORAX PER 100 (1)				
94	DUNNINGTON MILLING COMPANY		8.9	26.5*	98*
2119	ARVIN MCCAIN		9.4	26.9	102
3076	FEDERAL CHEMICAL CO WHSE LEXINGTON		9.3	28.1	104
4414	FEDERAL CHEMICAL CO WHSE HENDERSON		8.9	28.0	102
	0 12 12M				
1472	R M STORY		12.2	12.0	101
	0 20 20M				
67	FIECHTER HARDWARE COMPANY		12.5*	12.2*	62*
1129	HARDY BROTHERS MILL		17.7*	19.1*	91*
1296	HARDY BROTHERS MILL		20.9	19.1*	102
2017	GABBARD & FLOYD		18.7*	20.5	97*
2120	ARVIN MCCAIN		19.5*	20.4	99
2157	GABBARD & FLOYD		19.3*	19.7*	97*
2409	ARVIN MCCAIN		19.1*	19.2*	96*
3080	FEDERAL CHEMICAL CO WHSE LEXINGTON		19.2*	20.4	98*
4126	BARNETTS FEED STORE		17.8*	19.9	93*
4321	BENNETT FARM SUPPLY		19.5*	19.8	98*
8954	FEDERAL CHEMICAL CO WHSE LEXINGTON		16.1*	16.0*	84*
	2 12 6M				
1295	HARDY BROTHERS MILL	2.4	12.0	6.5	105
2037	PENN MERCANTILE COMPANY	2.3	11.9	6.0	102
3079	FEDERAL CHEMICAL CO WHSE LEXINGTON	2.5	11.6*	7.2	105
3164	GRAYSON MILLING COMPANY	2.5	12.5	6.7	109
4131	W C BROOKS	3.2	11.9	6.9	112
9083	H D JONES	2.2	12.7	5.7*	105
	3 9 6M				
1104	P J HONAKER	3.2	9.2	6.4	104
2032	HUSA BUTLER	3.5	9.5	8.1	114
2053	PAUL DUDGEON	2.9	9.8	8.1	110
2209	CARL HAGMAN	3.1	9.7	7.0	108
2226	AL WEAVER GENERAL STORE	3.6	9.6	6.6	111
2364	CARL HAGMAN	3.2	9.1	7.0	105
3070	BREWER & BEASLEY	3.2	8.5*	6.8	101
3140	FRANCIS WHOLESALE COMPANY	3.5	8.7*	7.0	106
8306	THOMAS SMITH	3.5	9.5	6.9	110
8643	P J HONAKER	3.4	8.9	7.3	107
8704	HALLS FEED STORE	3.7	10.0	8.6	120
8956	FEDERAL CHEMICAL CO WHSE LEXINGTON	3.5	9.4	7.6	112
9017	TRIPPLETS STORE	4.4	9.9	6.4	119
	3 9 18M				
4018	BARNETTS FEED STORE	3.1	9.9	16.3*	101
4127	BARNETTS FEED STORE	3.6	8.9	17.4*	102
	3 9 27M				
1378	LYNN FLOOD	3.1	9.1	25.9*	99
3078	FEDERAL CHEMICAL CO WHSE LEXINGTON	3.0	9.0	27.1	100
4413	FEDERAL CHEMICAL CO WHSE HENDERSON	3.9	9.5	27.0	107
	3 12 6M				
2153	JOHNSON & HARRISON	3.1	12.1	6.2	102
2324	PARIS PRODUCE	3.2	10.6*	6.6	96*
4041	DOUGLAS HELM	4.1	10.6*	7.1	104
4132	W C BROOKS	2.9	11.2*	6.2	96*
	3 12 12M				
79	DIXIE FEED COMPANY	3.3	11.4*	11.3*	98*
1377	LYNN FLOOD	3.8	11.9	11.9	105
1420	THE BIG STORE	3.9	11.1*	11.3*	100
2054	PAUL DUDGEON	3.1	12.1	11.7*	100
2201	MIDWAY IMPLEMENT COMPANY	3.0	11.9	12.9	102
2271	COOK & MOORE	4.5	11.5*	11.8	107
2391	TAYLOR IMPLEMENT COMPANY	3.2	11.6*	12.0	100
3071	BREWER & BEASLEY	3.3	12.0	12.1	102
3075	FEDERAL CHEMICAL CO WHSE LEXINGTON	2.9	11.9	11.8	98*
3245	SHELBY MURPHY	3.3	11.9	12.2	102
3275	MEADE & COMPANY	3.3	11.4*	12.5	100
3314	FEDERAL CHEMICAL CO WHSE LEXINGTON	3.1	12.2	11.9	101

(1) SEE BORON TABLE - PAGE 58.

TABLE 1 — Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 COMPANY CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
3 12 12M CONTINUED					
4057	L F THURMOND	32	123	124	104
4128	SOLON HENDRICKS GENERAL MERCHANDISE	33	119	119	101
4133	W C BROOKS	27*	111*	116*	93*
4244	TRUMAN ATHONTONS GROCERY	28	119	120	98*
8793	HENDERSON FARMERS SUPPLY COMPANY	33	111*	126	99
8805	SALEM FEED & SEED COMPANY	30	116*	116*	97*
9085	H D JONES	30	116*	136	102
4 12 4M					
2410	ARVIN MCCAIN	3.8	11.1*	5.1	97*
9018	TRIPPLETT'S STORE	4.5	10.3*	4.5	97*
4 12 8M					
11	CARL BRYANT IGA	3.9	11.4*	8.1	97*
1025	GABBARD & FLOYD	5.4	11.4*	11.1	114
1294	HARDY BROTHERS MILL	4.4	13.0	8.6	109
1300	CARTERS SUPPLY COMPANY	4.3	11.6*	8.6	102
1380	ALBERT YATES & SON	4.5	11.6*	9.1	104
1470	FLOORES FEED STORE	4.4	12.3	8.4	105
3029	LOGAN & HALL	4.3	11.8	8.8	103
3228	ROBERTS BROTHERS	4.1	12.0	8.8	103
3244	SHELBY MURPHY	4.3	11.9	8.6	103
3315	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.6	12.2	8.4	106
4009	PENNS COMMUNITY STORE	4.5	11.8	8.1	103
4052	OUTLAND SEED & POPCORN COMPANY	4.2	11.4*	8.0	99
4054	MIZELL & COMPANY	4.2	12.3	8.0	103
4104	EVERETT WOOSLEY GENERAL MERCHANDISE	4.4	11.6*	8.7	103
4134	W C BROOKS	4.1	12.1	9.0	103
8824	DAIRYMANS SUPPLY COMPANY	4.1	12.0	9.1	103
9019	TRIPPLETT'S STORE	4.2	11.9	8.7	103
9084	H D JONES	4.1	12.0	8.4	102
4 12 8S					
4180	FORD RICHARDSON & SON	4.2	12.2	9.0 (1)	105
4273	EARL WARD MILL	4.3	12.4	8.9	106
4 16 16M					
55	NELSON ALEXANDER	4.2	15.1*	17.1	100
1277	SMITH CARRICO	4.0	15.2*	17.7	100
2122	ARVIN MCCAIN	4.5	15.9	15.9	102
2294	GILLISPIE SEED COMPANY	3.7*	16.1	14.1*	96*
3316	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.3	15.5*	17.3	102
4135	W C BROOKS	4.4	16.6	17.2	106
4238	CLINTON HATCHERY	4.7	14.6*	15.9	99
8955	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.3	15.5*	16.0	100
9092	H D JONES	4.3	15.3*	17.5	102
4 24 12M					
3030	LOGAN & HALE	4.3	24.2	11.6*	101
4415	FEDERAL CHEMICAL CO WHSE HENDERSON	4.2	23.8	12.4	101
5 10 10M					
10	CARL BRYANT IGA	5.1	10.0	10.0	101
158	BRAD REYNOLDS	5.0	9.5*	9.6*	97*
180	BELL GROCERY COMPANY	5.3	10.1	9.7*	102
2118	ARVIN MCCAIN	4.8	9.8	10.1	98*
2231	J W EDWARDS & SON	4.9	10.2	11.0	102
3317	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.0	9.5*	10.2	98*
4042	DOUGLAS HELM	5.0	9.3*	9.5*	96*
4207	BOWLES MILL	4.9	9.9	9.1*	97*
4384	KUTTAWA FEED & SEED COMPANY	4.6*	10.1	9.8	97*
8959	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.1	9.9	9.3*	99
5 10 10S					
2094	R L WEAVER GENERAL STORE	4.5*	10.3	9.4*	97*
4141	W C BROOKS	4.7*	9.9	11.0 (2)	100
4385	KUTTAWA FEED & SEED COMPANY	4.9	10.7	9.6*(3)	102
5 10 15S					
54	NELSON ALEXANDER	3.1*	7.9*	18.7 (4)	88*
93	DUNNINGTON MILLING COMPANY	5.0	11.0	15.1	104
157	BRAD REYNOLDS	4.7*	11.4	15.0 (5)	104
215	NELSON ALEXANDER	5.0	9.9	15.6	101
1032	CARTERS SUPPLY COMPANY	5.1	10.8	15.6	105

(1) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH  
 (2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH  
 (3) EXCESS MURIATE EQUIVALENT TO 1.0% POTASH  
 (4) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH  
 (5) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 CHEMICAL COMPANY CONTINUED</i>					
<i>5 10 15S CONTINUED</i>					
1056	TRAPPIST MONASTERY	5.3	10.8	15.4	106
1130	HARDY BROTHERS MILL	5.3	10.1	15.3	103
1250	R E FRAZIER	5.0	10.0	16.4	103
1258	BILLY BRUMLEY	4.9	10.7	15.7	104
1265	B B STONE	5.2	10.7	15.1	104
1278	SMITH CARRICO	5.0	11.3	15.0	105
1421	THE BIG STORE	4.9	11.1	12.2*	98*
1460	ROBERT LLOYD	5.0	10.3	15.5	102
2076	CARL LOCK	4.8	10.8	15.5	103
2117	ARVIN MCCAIN	4.9	10.0	14.7*	99
2200	MIDWAY IMPLEMENT COMPANY	5.1	10.6	16.0	105
2230	J W EDWARDS & SON	4.9	10.8	13.2*(1)	99
2238	E R POORE	5.3	10.5	15.0	104
2293	GILLISPIE SEED COMPANY	5.1	10.9	15.4*(2)	105
2318	EDWARD BRYANT	5.6	11.2	14.7*	108
2359	MIDWAY IMPLEMENT COMPANY	5.2	10.7	15.6	105
2373	E TOWN FERTILIZER COMPANY	5.3	10.5	15.0	104
3072	BREWER & BEASLEY	4.5*	10.4	14.9	98*
3157	GUAR FERGUSON	5.2	10.4	15.0	103
3165	GRAYSON MILLING COMPANY	5.5	10.6	15.0	105
3200	G W EDMONDS HARDWARE	5.2	10.1	15.0	102
3215	T W HUDGINS	5.0	10.6	15.5	103
3246	SHELBY MURPHY	5.1	10.6	15.8	105
3318	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.1	11.9	14.5*(3)	107
4021	THOMPSONS FEED MILL	5.1	10.5	14.9	102
4053	OUTLAND SEED & POPCORN COMPANY	4.8	10.2	17.3*(4)	104
4056	MIZELL & COMPANY	5.2	10.3	16.4	105
4060	L F THURMOND	5.1	10.4	16.1	104
4142	W C BROOKS	5.1	10.3	15.6	103
4182	FORD RICHARDSON & SON	5.0	9.9	16.7	103
4208	BOWLES MILL	5.0	10.3	14.5*(5)	100
8642	P J HONAKER	5.4	10.5	14.9	104
8662	BENSON VALLEY MILLING COMPANY	5.2	10.1	16.1	104
8703	HALLS FEED STORE	5.5	10.2	15.2	104
8795	HENDERSON FARMERS SUPPLY COMPANY	4.4*	10.8	13.3*	96*
8817	COOPER SEED & FEED STORE	5.2	10.1	15.9	103
8948	LYNN FLOOD FEED STORE	5.4	9.8	15.4	102
8957	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.4	10.7	15.1	105
9093	H D JONES	4.8	10.8	15.1	102
9146	STOCKTON BROS	5.3	9.9	13.9*	99
<i>5 10 15S PESTICIDE</i>					
2412	ARVIN MCCAIN	4.9	10.1	14.0*(6)	98*
<i>5 20 20M</i>					
3074	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.1	19.9	19.8	100
3248	H T DERICKSON JR	5.5	19.5*	20.4	101
4027	WABASH ELEVATOR COMPANY	4.9	18.9*	17.7*	94*
4136	W C BROOKS	5.3	19.5*	14.6*	93*
<i>6 6 18S</i>					
1030	CARTERS SUPPLY COMPANY	5.8	6.4	18.7	102
1094	ROBERT HERREN	5.6*	7.4	18.1*(7)	104
1102	RONALD LONG	5.7*	6.8	17.9	101
1479	JOHN B PENN	5.9	6.3	18.3	101
3077	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.8	6.5	18.1	101
3265	BEASLEY & BREWER	5.5*	6.8	17.9	100
8663	BENSON VALLEY MILLING COMPANY	6.2	6.3	18.2	103
8922	J B BOSTON	6.0	6.7	18.2	103
8965	FEDERAL CHEMICAL CO WHSE LEXINGTON	6.0	6.4	18.4	103
<i>6 8 6M</i>					
1005	HALL SEED COMPANY	6.1	8.4	7.3	106
1202	CAMP TAYLOR FEED STORE	6.2	8.1	7.6	106
1418	THE BIG STORE	5.7*	8.6	5.8	100
1471	FLOORES FEED STORE	6.0	8.2	7.8	106
2018	GABBARD & FLOYD	4.6*	10.6	8.0	108
2270	COOK & MOORE	5.7*	8.4	6.5	101
2306	JAMES S SANDERS	6.4	8.3	6.3	105
3143	JACKSON WHOLESAL COMPANY	6.2	8.4	7.6	108
3266	BEASLEY & BREWER	6.3	8.0	6.4	103
3319	FEDERAL CHEMICAL CO WHSE LEXINGTON	6.3	7.8	7.2	104
4020	BARNETTS FEED STORE	5.8	9.0	7.4	107
4245	TRUMAN ATHERTONS GROCERY	6.0	9.4	6.6	109
4268	KUTTAWA FEED & SEED COMPANY	5.9	8.3	6.6	102
4270	EARL WARD MILL	6.3	8.3	6.6	105

(1) EXCESS MURIATE EQUIVALENT TO 1.1% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.0% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 6.9% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

(6) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH

(7) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 CHEMICAL COMPANY CONTINUED</i>					
<i>6 8 6M CONTINUED</i>					
4280	BARDWELL FEED MILL	6.0	8.6	8.0	108
8794	HENDERSON FARMERS SUPPLY COMPANY	5.6*	9.1	8.0	108
8806	SALEM FEED & SEED COMPANY	6.7	8.4	6.6	109
8816	CAMPBELLS MILL	5.8	9.0	7.5	107
8963	FEDERAL CHEMICAL CO WHSE LEXINGTON	6.3	8.3	6.9	106
<i>6 8 6S</i>					
150	G T BALLARD COMPANY	6.0	8.5	7.2	106
1031	CARTERS SUPPLY COMPANY	6.0	8.3	7.2	105
1303	BENSON VALLEY MILLING COMPANY	6.3	8.8	7.2	109
2363	CARL HAGMAN	5.9	8.2	8.8	107
3028	LOGAN & HALL	6.1	9.2	6.1 (1)	107
4137	W C BROOKS	6.0	9.1	6.8	108
8705	HALLS FEED STORE	6.1	8.5	7.1	106
8964	FEDERAL CHEMICAL CO WHSE LEXINGTON	6.1	8.6	7.2 (2)	107
<i>6 12 12M</i>					
2145	BOBBY COX GROCERY	5.9	10.8*	9.4*	90*
4019	BARNETTS FEED STORE	6.3	12.0	13.0	104
4044	DOUGLAS HELM	6.5	10.5*	10.6*	95*
4058	L F THURMOND	6.0	12.0	11.9	100
4138	W C BROOKS	6.1	12.1	13.6	104
4181	FORD RICHARDSON & SON	6.3	11.8	12.3	101
4271	EARL WARD MILL	5.8	11.9	11.5*	98*
4281	BARDWELL FEED MILL	6.0	12.2	12.8	102
8807	SALEM FEED & SEED COMPANY	5.7*	11.9	10.6*	95*
<i>6 12 12M PESTICIDE</i>					
3081	FEDERAL CHEMICAL CO WHSE LEXINGTON (3)	5.9	12.7	11.6*	101
<i>8 8 8M</i>					
2146	BOBBY COX GROCERY	6.5*	9.8	10.2	103
2274	BOBBY COX GROCERY	6.2*	10.9	10.8	107
2413	ARVIN MCCAIN	7.7*	8.9	7.9	102
4010	PENNS COMMUNITY STORE	6.8*	9.7	8.8	101
4045	DOUGLAS HELM	6.6*	9.0	9.8	99
4389	E B THOMPSON GROCERY & MILL	7.7*	8.6	8.0	101
8808	SALEM FEED & SEED COMPANY	7.4*	9.4	9.0	104
<i>8 16 16M</i>					
278	TRIPLETTS STORE	8.6	15.0*	15.3*	99
2411	ARVIN MCCAIN	8.2	14.7*	14.1*	95*
3073	FEDERAL CHEMICAL CO WHSE LEXINGTON	8.0	15.1*	14.7*	96*
3321	FEDERAL CHEMICAL CO WHSE LEXINGTON	9.1	15.3*	15.9	103
4139	W C BROOKS	8.1	14.7*	14.9*	90*
<i>10 10 10M</i>					
12	CARL BRYANT IGA	9.8	10.8	10.4	102
1127	GEORGE CONWAY	10.3	10.2	10.5	103
1187	LOUISVILLE JEFFERSON CHILDRENS HOME	10.4	10.3	11.0	105
1191	FLOORES FEED STORE	10.8	9.7*	10.9	105
1419	THE BIG STORE	8.6*	10.5	10.1	95*
2121	ARVIN MCCAIN	9.9	10.9	10.3	103
2403	GABBARD FEED MARKET	7.8*	10.5	9.5*	90*
3139	FRANCIS WHOLESALE COMPANY	9.6*	10.2	10.0	99
3216	T W HUDGINS	10.3	10.1	10.4	103
3239	JESSE BELL	10.4	9.8	10.5	102
3320	FEDERAL CHEMICAL CO WHSE LEXINGTON	10.1	10.9	10.0	104
4043	DOUGLAS HELM	9.8	10.9	10.6	103
4059	L F THURMOND	8.1*	10.6	10.1	93*
4140	W C BROOKS	9.9	11.1	10.2	104
4284	MARTIN DEWEESE	9.1*	10.7	11.1	100
8809	SALEM FEED & SEED COMPANY	9.4*	12.1	12.4	108
8921	J B BOSTON	10.6	9.8	11.1	104
8958	FEDERAL CHEMICAL CO WHSE LEXINGTON	9.7*	11.0	10.8	103
<i>12 12 12M</i>					
1057	TRAPPIST MONASTERY	12.2	12.3	12.1	102
1461	ROBERT LLOYD	10.5*	13.6	12.0	98*
1494	DUNCANS FARM SERVICE	11.8	12.2	12.2	100
2177	TODD COUNTY IMPLEMENT COMPANY	8.0*	12.3	9.7*	81*
3166	GRAYSON MILLING COMPANY	11.6*	13.7	11.7*	103
4017	BARNETTS FEED STORE	11.7*	13.1	12.2	102
4029	RUARK TRUCK LINES	12.3	13.4	11.8	105
4055	MIZELL & COMPANY	12.0	12.4	11.8	101
4269	KUTTAWA FEED & SEED COMPANY	8.6*	11.1*	12.2	84*
4272	EARL WARD MILL	11.3*	12.7	12.0	99
4390	E B THOMPSON GROCERY & MILL	11.0*	12.6	13.8	100

(1) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(3) CHLORDANE GUARANTEED 1.0%-----FOUND 0.67%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 COMPANY CONTINUED</u>		(Percent)	(Percent)	(Percent)	
20 SUPERPHOSPHATE					
1006	HALL SEED COMPANY		19.9		100
1024	GABBARD & FLOYD		20.1		100
2056	PAUL DUDGEON		20.3		102
3141	FRANCIS WHOLESALE COMPANY		20.5		103
3201	G W EDMONDS HARDWARE		20.6		103
3227	ROBERTS BROTHERS		22.9		115
21 SULFATE OF POTASH MAGNESIA					
8960	FEDERAL CHEMICAL CO WHSE LEXINGTON			22.0	105
50 SULFATE OF POTASH					
1103	P J HONAKER				
4388	E B THOMPSON GROCERY & MILL			51.4	103
8949	LYNN FLOOD FEED STORE			50.4	101
8962	FEDERAL CHEMICAL CO WHSE LEXINGTON			50.2	100
				51.4	103
60 MURIATE OF POTASH					
8961	FEDERAL CHEMICAL CO WHSE LEXINGTON			60.2	100
<u>FERT O GRANIC CORPORATION</u>					
MIXED TO ORDER					
1469	EARLY & DANIEL COMPANY WAREHOUSE	5.4		5.7	113
<u>GRACE CHEMICAL COMPANY</u>					
82 ANHYDROUS AMMONIA					
1427	MAGINNIS NITROGEN SERVICE	82.0			100
1429	STULL BROTHERS INC	82.0			100
1437	ELKTON AMMONIA INC	82.0			100
1438	COMMONWEALTH FERTILIZER COMPANY	82.0			100
<u>GREEN THUMB PRODUCTS COMPANY</u>					
5 5 10M LIQUID					
1505	THE KROGER GROCERY FRANKFORT	5.0	5.2	9.6*	100
<u>HUTSON CHEMICAL COMPANY</u>					
4 12 8M					
4061	HUTSON CHEMICAL COMPANY	4.1	12.0	9.2	103
4298	LYON COUNTY SOIL IMPROV ASSOC	3.8	11.8	9.5	101
4434	EDGAR SHEPPARD	3.8	11.8	11.0	105
4435	P E STUBBLEFIELD	3.8	11.7*	11.5	105
4438	J C KEMP	3.9	13.0	8.0	104
4439	JEWELL SHERIDAN	3.1*	13.7	7.5*	100
4 12 8M PESTICIDE					
4300	LYON COUNTY SOIL IMPROV ASSOC (1)	3.8	11.6*	8.7	98*
5 10 15S					
4063	HUTSON CHEMICAL COMPANY	4.9	10.2	15.0 (2)	100
4343	WARREN SEED COMPANY	5.1	11.1	14.3*	104
4387	FALSONDALE MILLING COMPANY	4.8	11.1	15.0	103
5 10 15S PESTICIDE					
4342	WARREN SEED COMPANY (3)	5.1	10.8	15.1	104
6 12 12M					
4062	HUTSON CHEMICAL COMPANY	5.8	11.6*	12.9	99

(1) ALDRIN GUARANTEED 1.0%-----FOUND 1.07%

(2) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH

(3) ALDRIN GUARANTEED 1.0%-----FOUND 0.59%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 COMPANY CONTINUED</u>					
4177	8 8 8M HUTSON CHEMICAL COMPANY	7.8	8.6	9.6	105
4299	LYON COUNTY SOIL IMPROV ASSOC	7.8	8.6	10.0	105
4176	12 12 12M HUTSON CHEMICAL COMPANY	12.1	12.4	12.8	103
4437	20 SUPERPHOSPHATE GENE POTTS FEED MILL		20.8		104
<u>INTERNATIONAL MINERAL &amp; CHEM CORP</u>					
2310	0 12 12M U L ROGERS & SON		12.5	12.5	104
2354	COOPER BROTHERS FEED STORE		11.7*	13.5	103
2132	0 14 7M U L ROGERS & SON		14.1	8.6	105
1293	0 19 19M 5LBS BORAX (1) COLLINS HARDWARE		20.1	19.5	105
145	0 20 20M W S ALLEN COMPANY		20.3	20.0	101
1292	COLLINS HARDWARE		20.9	19.9	103
2309	U L ROGERS & SON		20.4	20.1	102
8999	J E MCGAHAN COMPANY		20.2	20.4	101
9127	HARLAN FRUIT COMPANY		20.0	21.1	102
2158	0 20 20M 5LB BORAX PER 100 (2) WOODSON LEWIS		18.8*	20.1	96*
18	2 12 6M FAUBUSH MILLING COMPANY	2.0	12.1	6.3	101
146	W S ALLEN COMPANY	2.4	12.2	6.9	107
229	G M SANDIDGE	2.1	12.4	6.2	104
234	THE MIDGET MILLS	2.2	12.2	6.4	104
2098	J W EDWARDS & SON	2.3	12.2	6.5	105
2319	JACK SHIRLEY	2.1	12.1	6.4	103
8358	G M SANDIDGE	2.0	12.1	6.2	101
202	3 9 6M COOKS GROCERY & FEED	3.2	9.1	6.6	104
3162	MYERS & CLARK COMPANY INC	2.9	9.0	6.6	101
4314	PRINCETON MILLS	3.3	8.9	6.2	103
9126	HARLAN FRUIT COMPANY	3.1	9.3	6.5	104
206	3 12 12M SOMERSET SEED COMPANY	3.0	12.0	12.7	102
230	G M SANDIDGE	3.3	12.0	12.1	102
1108	PLATZ GARAGE	3.2	12.9	11.7*	105
2128	WOODSON LEWIS	3.0	11.9	11.9	99
2218	COOPER BROTHERS FEED STORE	3.1	11.6*	12.9	101
2259	WOODSON LEWIS	3.1	12.1	12.4	102
3027	J T LAWSON HARDWARE COMPANY	3.2	11.9	12.4	102
3163	MYERS & CLARK COMPANY INC	2.9	11.7*	11.9	98*
9000	J E MCGAHAN COMPANY	2.9	12.0	12.8	101
9051	ESTES FARM SUPPLY	3.0	12.0	12.3	101
92	4 12 8M ALBANY PRODUCE COMPANY	4.1	12.0	8.1	101
126	JACKSON COUNTY FARM SERVICE	4.0	12.4	8.1	102
228	G M SANDIDGE	4.3	12.2	8.0	103
239	BASIL WESLEY	4.2	14.1	8.4	112
1335	LIPSCOMB FARM SUPPLY	3.9	11.9	9.3	102
2055	PAUL DUDGEON	4.0	11.7*	7.9	98*
2257	WOODSON LEWIS	3.7*	12.1	8.1	99
2371	CANEYVILLE ROLLER MILL	4.0	12.5	8.2	103
3068	D M MURPHY & COMPANY	3.5*	12.0	7.7*	96*
3235	BAKER & HULLEY	4.0	12.0	8.8	102

(1) SEE BORON TABLE - PAGE 58

(2) SEE BORON TABLE - PAGE 58

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>INTER MINERAL &amp; CHEM CORP CONTINUED</i>					
		(Percent)	(Percent)	(Percent)	
<i>4 12 8M CONTINUED</i>					
3276	D M MURPHY & COMPANY	3.7*	13.4	7.1*	102
4334	CADIZ HARDWARE COMPANY	4.2	13.0	8.1	106
8789	FARMERS COOP STORE OWENSBORO	4.1	12.0	8.6	102
8797	HUNT BROS	4.1	12.2	9.1	104
<i>4 12 8M PESTICIDE</i>					
2308	U L ROGERS & SON (1)	4.1	11.9	8.2	101
<i>4 12 8S</i>					
205	SOMERSET SEED COMPANY	4.0	12.2	8.0	101
1122	ELVIN DEATHRIDGE	3.3*	13.4	8.6 (2)	103
1145	O D GOODLET	4.6	12.0	9.2 (3)	107
3024	J T LAWSON HARDWARE COMPANY	4.3	12.1	7.8	102
3236	BAKER & HULLEY	4.1	12.0	8.1	100
3337	BAKER & HULLEY	4.1	11.2*	8.3 (4)	98*
<i>5 10 5M</i>					
9025	HARLAN FRUIT COMPANY	5.0	10.7	5.4	105
<i>5 10 10M</i>					
203	COOKS GROCERY & FEED	5.0	10.0	10.4	101
285	DIXIE FEED COMPANY	5.1	10.2	10.1	102
1248	BILL SMITH	4.9	9.9	9.8	98*
3025	J T LAWSON HARDWARE COMPANY	5.2	9.4*	11.6	102
3332	R H EWING SON & COMPANY	4.7*	9.3*	9.3*	93*
<i>5 10 10M PESTICIDE</i>					
2062	FARMERS EXCHANGE STORE BURKESVILLE (5)	4.9	10.6	10.0	102
<i>5 10 15S</i>					
15	CITY FOOD MARKET	5.0	10.4	14.8	101
104	G M SANDIDGE	4.9	10.8	15.1	103
167	BOONES FEED STORE	5.0	10.0	14.8	100
249	W S ALLEN	4.9	10.4	15.1	101
1064	SPRINGFIELD FEED & GRAIN CO	6.0	10.1	14.6*	106
1121	ELVIN DEATHRIDGE	5.3	9.7*	14.7*	100
1132	W E SCHULKER	5.4	9.9	13.3*	99
1159	BARNETT SULLIVAN & COMPANY	5.5	9.8	14.4*	101
1247	BILL SMITH	5.4	10.2	14.3*	102
1333	COLSTON & SPEAGLE COAL & FEED	5.0	9.9	15.7	101
1364	RALPH MALCOMB	5.9	9.9	15.0 (6)	105
2127	WOODSON LEWIS	5.0	10.0	15.3	101
2215	COOPER BROTHERS FEED STPRE	5.1	10.0	15.1	101
2256	WOODSON LEWIS	5.0	10.0	15.0	100
2339	J W EDWARDS & SON	4.7*	10.2	15.4	100
3020	J T LAWSON HARDWARE COMPANY	5.3	9.7*	14.5*	100
3067	BOYD ANDERSON	5.1	10.0	15.1	101
3287	J C ELDRIDGE	5.0	10.1	14.9 (7)	100
3333	R H EWING SON & COMPANY	4.5*	9.6*	16.0	97*
4374	R D SANDERFUR	4.7*	10.5	15.2	101
8790	FARMERS COOP STORE OWENSBORO	4.6*	10.6	16.1	102
<i>5 20 20M</i>					
14	CITY FOOD MARKET	4.9	20.1	20.0	100
103	G M SANDIDGE	4.9	19.5*	19.9	98*
232	DUDLEY CORMAN	4.4*	18.4*	18.1*	91*
245	CRAB ORCHARD LUMBER COMPANY	5.0	19.9	20.4	100
2303	COOPER BROTHERS FEED STORE	4.4*	21.8	18.9*	101
2315	FARMERS EXCHANGE COMPANY BURKSVILLE	5.2	19.7*	20.0	100
3234	BAKER & HULLEY	5.2	19.7*	19.6*	99
<i>6 6 18S</i>					
1067	SPRINGFIELD FEED & GRAIN CO	6.5	6.8	17.0*	104
1165	BARNETT SULLIVAN & COMPANY	5.8	6.7	17.6*	101
1474	JETT COAL & SUPPLY COMPANY	5.9	6.9	17.1*	101
<i>6 8 6M</i>					
4317	PRINCETON MILLS	5.9	8.4	7.7	106
4335	CADIZ HARDWARE COMPANY	6.1	8.1	6.6	103

(1) ALDRIN GUARANTEED 0.5% -----FOUND 0.42%

(2) EXCESS MURIATE EQUIVALENT TO 4.6% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(5) ALDRIN GUARANTEED 0.5% -----FOUND 0.44%

(6) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(7) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>INTER MINERAL &amp; CHEM CORP CONTINUED</i>					
		(Percent)	(Percent)	(Percent)	
<i>6 8 6S</i>					
17	FAUBUSH MILLING COMPANY	5.8	8.4	6.1	101
98	FARMERS SUPPLY COMPANY SOMERSET	5.9	7.9	5.9	99
207	SOMERSET SEED COMPANY	5.9	8.0	6.6	101
1123	ELVIN DEATHRIDGE	7.4	9.0	8.0 (1)	121
2129	WOODSON LEWIS	5.9	8.0	6.3	100
2217	COOPER BROTHERS FEED STORE	6.0	9.6	6.6 (2)	110
2258	WOODSON LEWIS	5.9	8.6	6.1	103
2317	EDWARD BRYANT	5.8	8.3	6.2	100
3021	J T LAWSON HARDWARE COMPANY	6.9	8.6	7.6 (3)	114
3237	BAKER & HULLEY	6.6	8.2	7.3	109
3277	D M MURPHY & COMPANY	6.2	7.9	6.3	102
4316	PRINCETON MILLS	5.8	8.0	7.6	103
<i>6 12 12M</i>					
214	C M SANDIDGE	4.2*	11.5*	9.5*	84*
235	FARMERS SUPPLY COMPANY SOMERSET	6.1	12.1	12.1	101
236	FARMERS SUPPLY COMPANY SOMERSET	6.4	11.5*	12.3	101
237	G M SANDIDGE	6.3	11.7*	12.6	102
238	FARMERS SUPPLY COMPANY SOMERSET	6.1	12.3	12.3	102
241	MILFORD ROWE	6.2	12.4	12.1	103
242	MILFORD ROWE	6.5	11.9	12.0	102
2340	J W EDWARDS & SON	5.9	12.1	11.6*	99
2405	FARMERS FEED STORE CENTRAL CITY	5.5*	12.5	12.0	99
4232	W B ROBINSON	6.2	12.1	11.7*	101
4336	CADIZ HARDWARE COMPANY	5.9	12.2	12.0	100
<i>6 12 12 3M 9S</i>					
2216	COOPER BROTHERS FEED STORE	6.5	12.3	12.1	104
3022	J T LAWSON HARDWARE COMPANY	5.4*	14.5	11.2*(4)	104
3093	C W GREER	5.7*	12.7	12.4	102
<i>8 8 8M</i>					
2096	J W EDWARDS & SON	7.4*	9.0	9.0	103
<i>10 10 10M</i>					
13	CITY FOOD MARKET	8.9*	10.6	10.0	97*
96	OLIVER STRUNK	9.3*	10.3	10.9	99
240	S B NORFLEET JR	9.8	10.6	9.9	101
1065	SPRINGFIELD FEED & GRAIN CO	9.9	9.6*	12.5	102
1473	JETT COAL & SUPPLY COMPANY	10.0	9.9	10.8	101
2130	U L ROGERS & SON	9.7*	10.5	10.5	101
2341	J W EDWARDS & SON	9.9	9.9	10.2	100
2355	COOPER BROTHERS FEED STORE	10.4	9.9	11.4	104
2404	FARMERS FEED STORE	8.7*	10.5	10.6	96*
3026	J T LAWSON HARDWARE COMPANY	9.2*	10.1	11.9	100
3203	SOUTHERN STATES MAYSVILLE COOP	10.6	9.6*	10.9	103
3288	J C ELDRIDGE	9.3*	9.9	11.5	99
4319	PRINCETON MILLS	10.1	10.2	10.3	102
8814	LIVINGSTON CO COOP SOIL IMPROV ASSOC	9.9	10.4	10.6	102
<i>12 12 12M</i>					
4315	PRINCETON MILLS	11.5*	12.8	11.9	100
<i>20 SUPERPHOSPHATE</i>					
1291	COLLINS HARDWARE		20.8		104
1365	RALPH MALCOMB		20.9		105
2095	J W EDWARDS & SON		20.0		100
2316	FARMERS EXCHANGE COMPANY BURKSVILLE		20.5		103
4318	PRINCETON MILLS		19.6*		98*
<i>46 SUPERPHOSPHATE</i>					
91	ALBANY PRODUCE COMPANY		45.6		99
<i>50 SULFATE OF POTASH</i>					
1028	J W SETTLE FEED STORE			50.8	102
1340	LOUIS F ISON			51.3	103
4279	BARDWELL FEED MILL			51.8	104
<i>60 MURIATE OF POTASH</i>					
3334	BIG FOUR FEED STORE			57.5*	96*

(1) EXCESS MURIATE EQUIVALENT TO 1.9% POTASH  
 (2) EXCESS MURIATE EQUIVALENT TO 0.8% POTASH  
 (3) EXCESS MURIATE EQUIVALENT TO 1.3% POTASH  
 (4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>KENTUCKY FERTILIZER WORKS</u>		(Percent)	(Percent)	(Percent)	
	<u>3 9 6M</u>				
3129	CHARLES CORNWELL & SON	3.2	8.9	6.5	103
3194	R T LITTLE	3.1	7.6*	6.2	93*
3252	STEVE ROSE MARKET	3.2	7.4*	6.4	93*
	<u>3 12 12M</u>				
1158	FARMERS SUPPLY COMPANY DANVILLE	3.1	11.6*	11.2*	97*
3251	STEVE ROSE MARKET	3.4	11.4*	13.0	102
	<u>5 10 15S</u>				
1231	HAYDON COAL & OIL COMPANY	5.3	10.1	15.1	102
1408	FARMERS SUPPLY COMPANY DANVILLE	5.5	10.4	15.1	105
3149	ROY H VICE	5.2	10.0	15.2	102
3195	R T LITTLE	5.0	10.6	14.1*	101
3217	ROBERTS MODEL GROCERY	5.1	10.5	14.6*	102
3250	STEVE ROSE MARKET	5.2	10.2	15.3	103
8314	ROBINSON & TURLEY	5.2	10.0	15.2	102
	<u>6 6 18S</u>				
1070	HAYDON COAL & OIL COMPANY	6.1	6.2	17.6*	101
	<u>6 8 6M</u>				
1157	FARMERS SUPPLY COMPANY DANVILLE	6.1	7.5*	6.2	99
3148	ROY H VICE	6.0	7.9	6.7	101
	<u>6 8 6S</u>				
1050	FARMERS SUPPLY COMPANY DANVILLE	6.0	7.7*	6.2	99
1167	ELKHORN SUPPLY COMPANY	6.5	7.5*	6.2	102
3128	CHARLES CORNWELL & SON	6.0	7.9	5.9	99
3147	ROY H VICE	6.1	7.8	6.1	100
3193	R T LITTLE	6.4	7.5*	5.7*	100
	<u>6 12 12M</u>				
1390	HAYDON COAL & OIL COMPANY	6.1	11.9	12.0	100
	<u>10 10 10M</u>				
120	ROBINSON & TURLEY	9.3*	10.9	9.5*	99
261	ROBINSON & TURLEY	10.3	9.7*	10.7	102
1069	HAYDON COAL & OIL COMPANY	8.9*	10.3	10.7	97*
	<u>20 SUPERPHOSPHATE</u>				
121	ROBINSON & TURLEY		20.1		100
262	ROBINSON & TURLEY		19.4*		97*
1049	FARMERS SUPPLY COMPANY DANVILLE		19.0*		95*
1389	HAYDON COAL & OIL COMPANY		19.1*		95*
3125	SOUTHERN STATES CYNTHIANA COOP		20.1		100
3307	L F WELLMAN HARDWARE		19.9		100
	<u>60 MURIATE OF POTASH</u>				
1232	HAYDON COAL & OIL COMPANY			60.0	100
1489	WOODFORD FEED COMPANY			59.6	99
<u>KNOXVILLE FERTILIZER COMPANY</u>					
	<u>0 12 12M</u>				
101	A P VAUGHT & COMPANY		12.9	12.0	105
188	RUSSELL COUNTY HATCHERY		12.2	12.2	102
2388	CITY SUPPLY COMPANY		12.4	13.0	105
2402	HARRIS FEED COMPANY		12.7	11.5*	103
	<u>0 12 12M 3LB BORAX PER 100 (1)</u>				
1173	G M TAYLOR SEED COMPANY		12.8	12.3	105
	<u>0 14 14M</u>				
4345	BUGG BROTHERS FEED & SUPPLY CO		15.3	14.2	107

(1) SEE BORON TABLE - PAGE 58

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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)	
<b>KNOXVILLE FERTILIZER CO CONTINUED</b>					
	<b>0 20 20M</b>				
9	HOBART & MILTON ROBERTS		21.1	20.1	110
57	CASH WHOLESALE COMPANY		20.3	23.8	107
88	H M SMITH		20.0	20.7	101
137	LEWIS WHOLESALE COMPANY		20.0	21.6	103
2134	HAGAN & STONE COMPANY		17.8*	20.6	94*
2183	STATTON IMPLEMENT COMPANY		17.7*	21.0	94*
2263	CURTIS & MCCOMAS		20.6	19.7*	102
2401	HARRIS FEED COMPANY		20.6	20.0	102
4302	RUBY THOMAS		21.1	20.7	105
9059	HAGAN & STONE COMPANY		20.4	15.4*	94*
	<b>2 12 6M</b>				
78	TRI STATE WHOLESALE	2.2	12.4	6.5	105
	<b>3 9 6M</b>				
65	LAUREL GROCERY COMPANY	2.9	9.6	7.5	107
108	POWELL HACKNEY GROCERY COMPANY	3.2	9.4	7.9	110
171	BAIRD & BRUMMETT	3.0	9.1	6.7	103
177	DIXIE FEED COMPANY	3.1	9.7	7.9	111
288	JELLICO GROCERY	3.3	9.0	6.3	104
1160	BARNETT SULLIVAN & COMPANY	3.1	9.2	6.9	105
3269	CARTER & SADLER WHOLESALE COMPANY	2.5*	11.7	6.2	112
3285	BLAIR WHOLESALE GROCERY COMPANY	3.1	9.1	7.3	105
4097	WYNDALLS FARM STORE	3.1	9.7	7.5	110
9053	HAGAN & STONE COMPANY	3.2	10.9	7.6	118
	<b>3 9 6S</b>				
80	WAKIN BROTHERS	3.3	9.7	7.2 (1)	111
1480	CAREY A SHEETS	3.3	9.5	6.8	108
2161	PLANTERS HARDWARE COMPANY	3.3	9.0	6.6	105
2267	CURTIS & MCCOMAS	3.5	9.7	6.8	111
2322	ALLEN COUNTY MILL	3.2	9.9	6.3	108
4151	NEBO MILL	3.2	9.5	6.8 (2)	107
	<b>3 9 18M 3LBS BORAX (3)</b>				
1345	BARNETT SULLIVAN & COMPANY	3.1	8.9	18.0	100
1487	D H THOMAS	2.8	9.3	19.1	102
	<b>3 9 18S</b>				
147	SANDERS SUPPLY COMPANY	3.5	9.6	18.0	106
1488	D H THOMAS	3.1	9.5	18.6	104
2107	JOHNSON & ASHLY HARDWARE	2.8	9.2	18.7	101
4383	YOUNG FEED & GRAIN COMPANY	3.2	9.8	17.2*	103
	<b>3 12 12M</b>				
8	HOBART & MILTON ROBERTS	3.4	11.6*	12.5	102
51	BAUGHMAN MILLING COMPANY	3.1	11.7*	14.1	104
194	HOBART & MILTON ROBERTS	3.1	11.9	12.2	101
2106	JOHNSON & ASHLY HARDWARE	3.2	12.1	12.1	102
2266	CURTIS & MCCOMAS	3.1	12.0	13.4	104
2325	G H BOWLES & SON	3.1	12.1	12.1	101
2382	CURTIS & MCCOMAS	3.0	12.0	12.3	101
4098	WYNDALLS FARM STORE	3.1	12.4	12.1	103
	<b>3 12 12M 3LB BORAX PER 100 (4)</b>				
1498	G M TAYLOR SEED COMPANY	2.8	14.7	12.0	111
	<b>4 8 12S</b>				
1274	D H THOMAS	4.0	8.7	12.1	104
	<b>4 12 0</b>				
44	SANDERS SUPPLY	4.1	12.2		102
	<b>4 12 4M</b>				
195	HOBART & MILTON ROBERTS	4.6	11.4*	5.7	106
	<b>4 12 8M</b>				
66	LAUREL GROCERY COMPANY	4.2	11.2*	8.9	100
75	COLE HUGHES	4.0	11.9	8.4	100
174	KNOX COUNTY SUPPLY	4.1	11.9	8.8	102

(1) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(3) SEE BORON TABLE - PAGE 58

(4) SEE BORON TABLE - PAGE 58

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>KNOXVILLE FERTILIZER CO CONTINUED</u>		(Percent)	(Percent)	(Percent)	
4 12 8M CONTINUED					
213	A P VAUGHT & COMPANY	4.1	12.3	8.7	104
275	LAUREL GROCERY	4.3	11.5*	8.0	100
284	JELLICO GROCERY	4.1	12.3	8.2	103
2108	JOHNSON & ASHLY HARDWARE	4.6	11.7*	9.1	105
2138	CURTIS & MCCOMAS	3.8	11.2*	8.1	95*
2265	CURTIS & MCCOMAS	4.0	12.4	8.9	104
2323	ALLEN COUNTY MILL	4.1	12.0	8.9	103
3271	PAINTSVILLE GROCERY COMPANY	4.0	11.9	9.4	103
4100	HYNDALLS FARM STORE	4.0	12.0	8.3	101
4303	RUBY THOMAS	4.1	12.0	8.8	103
4 12 8M PESTICIDE					
4349	BUGG BROTHERS FEED & SUPPLY CO (1)	4.1	11.9	8.0	100
4 12 8S					
4200	YOUNG FEED & GRAIN COMPANY	3.8	12.0	8.9	101
5 10 5M					
70	R H PERKINS & SON	4.8	9.8	6.0	100
136	LEWIS WHOLESALE COMPANY	4.9	10.5	6.1	105
172	GRAYS HARDWARE	5.2	10.2	5.4	104
227	LEWIS WHOLESALE COMPANY	5.0	9.4*	5.2	98*
246	WHITESBURG FARM SERVICE	5.2	9.9	5.8	103
287	BALL BROTHERS	4.7*	9.7*	5.7	99
2137	CURTIS & MCCOMAS	4.9	10.0	6.4	103
4099	HYNDALLS FARM STORE	4.8	10.9	6.7	107
4153	NEBO MILL	5.1	10.8	6.4	108
5 10 10M					
149	SANDERS SUPPLY COMPANY	4.7*	10.2	10.8	101
178	WILDERS STORE	4.6*	10.5	10.8	101
269	SANDERS SUPPLY COMPANY	4.5*	10.2	10.0	98*
2272	HAGAN & STONE	4.9	10.0	10.8	101
3142	SMITH & COMPANY	4.9	9.9	11.5	102
3268	CARTER & SADLER WHOLESALE COMPANY	4.7*	10.4	10.8	102
4102	HYNDALLS FARM STORE	4.9	9.7*	10.1	98*
5 10 10M PESTICIDE					
77	WILDERS STORE (2)	4.9	10.5	10.1	102
82	JELLICO GROCERY COMPANY (3)	4.8	10.5	11.2	103
3306	LOUISA SUPPLY COMPANY (4)	3.9*	12.5	8.6*	101
5 10 15S					
102	A P VAUGHT & COMPANY	5.1	9.8	14.9	100
106	POWELL HACKNEY GROCERY COMPANY	5.1	10.2	16.9	105
148	SANDERS SUPPLY COMPANY	5.3	9.6*	15.9	102
187	RUSSELL COUNTY HATCHERY	4.6*	11.4	15.3 (5)	104
209	ROSCOE MORRIS	5.5	9.0*	16.6	102
231	DAN F HENDRIX	5.5	9.6*	15.3 (6)	102
299	POWELL HACKNEY GROCERY COMPANY	5.4	10.7	15.1	105
1071	VALLEY HILL STORE	4.9	10.2	16.8	104
1146	BARNETT SULLIVAN & COMPANY	5.0	10.3	15.1 (7)	101
1175	G M TAYLOR SEED COMPANY	4.9	10.3	16.8	104
1369	G M TAYLOR SEED COMPANY	5.1	10.1	15.6	102
2181	STATTON IMPLEMENT COMPANY	4.9	10.4	15.0	101
2262	CURTIS & MCCOMAS	4.8	10.0	16.4	102
2384	CURTIS & MCCOMAS	5.2	10.3	15.4	103
3061	BLAIR WHOLESALE GROCERY CO	5.0	10.3	15.8	103
3305	LOUISA SUPPLY COMPANY	4.9	10.1	15.6	101
4103	HYNDALLS FARM STORE	4.7*	9.8	14.8	97*
4152	NEBO MILL	4.6*	10.6	15.5	99
9060	HAGAN & STONE COMPANY	4.8	10.4	15.0	100
5 20 20M					
247	WHITESBURG FARM SERVICE	5.2	20.1	20.2	101
4346	BUGG BROTHERS FEED & SUPPLY CO	5.5	20.5	20.1	103
6 6 18M					
9048	KENTUCKY CHILDRENS HOME	6.0	6.0	18.6	101
6 6 18S					
1171	G M TAYLOR SEED COMPANY	5.9	6.5	19.1	104
1266	H L DAVIS	5.9	6.2	17.9	100
1370	G M TAYLOR SEED COMPANY	5.9	6.8	17.9	103
8674	D H THOMAS	5.9	6.9	18.0	103

(1) ALDRIN GUARANTEED 0.25%-----FOUND 0.49%

(2) ALDRIN GUARANTEED 0.5%-----FOUND 0.5%

(3) CHLORDANE GUARANTEED 1.0%-----FOUND 0.93%

(4) ALDRIN GUARANTEED 0.5%-----FOUND 0.47%

(5) EXCESS MURIATE EQUIVALENT TO 2.0% POTASH

(6) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

(7) EXCESS MURIATE EQUIVALENT TO 1.2% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>KNOXVILLE FERTILIZER CO CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
<u>6 8 6M</u>					
243	PHILLIPS STORE	6.3	9.6	6.2	111
1164	BARNETT SULLIVAN & COMPANY	5.9	8.5	6.5	103
1172	G M TAYLOR SEED COMPANY	5.9	9.0	6.5	106
1391	HAYDON COAL & OIL COMPANY	5.9	8.2	6.8	102
2288	STATTON IMPLEMENT COMPANY	5.4*	9.0	6.5	102
3283	BLAIR WHOLESALE GROCERY COMPANY	6.1	8.5	6.6	105
4304	RUBY THOMAS	5.7*	9.2	7.1	107
<u>6 8 6S</u>					
107	POWELL HACKNEY GROCERY COMPANY	5.7*	9.5	7.8 (1)	110
112	POWELL HACKNEY GROCERY COMPANY	5.9	9.0	6.9	107
1086	D H THOMAS	5.7*	8.8	7.0 (2)	104
1148	BARNETT SULLIVAN & COMPANY	5.9	8.1	6.8	102
1344	BARNETT SULLIVAN & COMPANY	6.2	7.8	6.6	102
2052	WOODSON C TURNER	5.5*	8.1	7.2 (3)	100
2264	CURTIS & MCCOMAS	5.8	8.3	6.9	102
3174	FAYETTE SEED COMPANY	5.9	7.6*	6.6	99
3284	BLAIR WHOLESALE GROCERY COMPANY	6.0	8.5	6.6	104
4101	WYNDALLS FARM STORE	5.4*	8.6	6.4 (4)	100
<u>6 12 12M</u>					
4347	BUGG BROTHERS FEED & SUPPLY CO	5.9	12.4	12.0	101
<u>6 12 12M PESTICIDE</u>					
9061	HAGAN & STONE COMPANY (5)	5.7*	11.4*	11.6*	95*
<u>8 6 10M</u>					
1161	BARNETT SULLIVAN & COMPANY	8.1	6.3	11.0	104
<u>10 6 4M</u>					
45	SANDERS SUPPLY	8.9*	8.1	5.1	104
1085	D H THOMAS	10.0	6.5	4.7	104
1174	G M TAYLOR SEED COMPANY	10.5	6.7	4.8	108
8675	D H THOMAS	6.5*	6.4	6.4	84*
<u>10 10 10M</u>					
69	R H PERKINS & SON	9.7*	9.9	10.6	99
201	C E THOMAS STORE	9.5*	9.9	10.9	99
1162	BARNETT SULLIVAN & COMPANY	9.9	9.6*	11.3	100
1273	D H THOMAS	9.3*	9.4*	10.6	96*
1371	G M TAYLOR SEED COMPANY	8.9*	10.1	10.3	95*
1497	G M TAYLOR SEED COMPANY	8.3*	11.0	10.1	95*
2383	CURTIS & MCCOMAS	10.3	12.0	11.7	128
3272	PAINTSVILLE GROCERY COMPANY	8.8*	10.6	10.3	97*
4348	BUGG BROTHERS FEED & SUPPLY CO	10.0	11.5	10.6	106
<u>33 5 AMMONIUM NITRATE</u>					
4154	NEBO MILL	33.4			100
<u>20 SUPERPHOSPHATE</u>					
105	FIKE & DENNIS FARM SUPPLY		20.4		102
1163	BARNETT SULLIVAN & COMPANY		19.9		100
4096	WYNDALLS FARM STORE		19.0*		95*
4150	NEBO MILL		19.1*		95*
8673	D H THOMAS		19.9		100
9056	HAGAN & STONE COMPANY		19.0*		95*
<u>62 CALCIUM METAPHOSPHATE</u>					
4199	YOUNG FEED & GRAIN COMPANY		62.8		101
<u>48 SULFATE OF POTASH</u>					
4382	YOUNG FEED & GRAIN COMPANY			50.0	104
<u>50 SULFATE OF POTASH</u>					
1147	BARNETT SULLIVAN & COMPANY			51.2	102
8913	D H THOMAS			51.4	103

- (1) EXCESS MURIATE EQUIVALENT TO 1.0% POTASH  
 (2) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH  
 (3) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH  
 (4) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH  
 (5) CHLORDANE GUARANTEED 1.0%-----FOUND 0.8%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>KNOXVILLE FERTILIZER CO CONTINUED</i>		(Percent)	(Percent)	(Percent)	
186	60 MURIATE OF POTASH RUSSELL COUNTY HATCHERY			60.3	101
270	SANDERS SUPPLY			58.4*	97*
1496	G M TAYLOR SEED COMPANY			61.7	103
<i>LAND O NAN WAREHOUSE</i>					
4367	0 20 20M LAND O NAN WAREHOUSE		18.9*	21.2	102
4155	0 30 30M LAND O NAN WAREHOUSE		29.6	28.1*	97*
4364	LAND O NAN WAREHOUSE		30.5	26.0*	97*
4354	3 12 12M LAND O NAN WAREHOUSE	3.5	12.5	11.8	105
4357	4 12 8M LAND O NAN WAREHOUSE	5.1	11.9	11.2	114
4222	4 16 16M LAND O NAN WAREHOUSE	3.9	15.9	17.4	102
4360	LAND O NAN WAREHOUSE	4.4	16.4	16.4	104
4220	5 10 10M LAND O NAN WAREHOUSE	7.1	15.7	13.9	148
4358	5 15 30M LAND O NAN WAREHOUSE	9.7	13.3*	24.3*	123
4361	5 20 20M LAND O NAN WAREHOUSE	5.5	20.1	21.0	104
4365	6 12 12M LAND O NAN WAREHOUSE	5.8	12.8	13.6	105
4363	10 10 10M LAND O NAN WAREHOUSE	9.9	10.1	12.0	103
4157	10 20 20M LAND O NAN WAREHOUSE	9.8	20.4	19.6*	100
4362	LAND O NAN WAREHOUSE	10.6	20.0	20.1	102
4368	12 12 12M LAND O NAN WAREHOUSE	12.2	12.7	11.9	103
4221	15 15 15M LAND O NAN WAREHOUSE	16.1	16.9	16.3	109
4356	LAND O NAN WAREHOUSE	15.2	12.1*	18.4	98*
4158	60 MURIATE OF POTASH LAND O NAN WAREHOUSE			59.9	100
<i>MIXED TO ORDER</i>					
4156	LAND O NAN WAREHOUSE	7.9	23.5*	18.6	101
4355	LAND O NAN WAREHOUSE	5.1	20.7	6.7	106
4359	LAND O NAN WAREHOUSE		15.6	42.0	105
4366	PRUITT & RICHARDS	8.3	4.0	11.2	110

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>LION OIL CO</u>					
	33 5 AMMONIUM NITRATE				
1299	HUGHES M HAMILTON	33.8			101
3168	HUGHES M HAMILTON	34.1			102
4016	BARNETT'S FEED STORE	33.9			101
<u>LOUISVILLE FERTILIZER CO</u>					
	2 12 6M				
9088	H D JONES	2.1	11.7*	6.4	100
	3 12 6M				
9089	H D JONES	2.9	11.4*	6.4	97*
	4 12 8M				
4308	RATLIFF HARDWARE COMPANY	4.0	11.9	8.0	100
9081	H D JONES	3.9	12.1	8.4	101
9090	H D JONES	3.8	12.1	7.9	99
	4 12 8S				
2282	H D JONES	3.9	12.1	8.2	100
	5 10 10M				
4309	RATLIFF HARDWARE COMPANY	5.0	10.1	10.0	100
	5 10 15S				
9091	H D JONES	4.8	10.6	15.3	102
	6 6 18M				
1029	KENTUCKY TRAINING HOME	5.8	6.3	17.5*	99
1184	KENTUCKY STATE REFORMATORY	5.8	6.3	19.0	102
4004	KENTUCKY STATE PENITENTIARY	5.9	6.3	17.9	100
9046	CENTRAL STATE HOSPITAL	5.9	6.2	17.8	100
	6 8 6 M				
4310	RATLIFF HARDWARE COMPANY	5.9	8.6	6.6	104
	6 12 12M				
2099	WESTERN KENTUCKY STATE COLLEGE	5.8	12.3	12.0	100
	10 10 10M				
4311	RATLIFF HARDWARE COMPANY	9.4*	10.6	10.1	99
	20 SUPERPHOSPHATE				
9047	CENTRAL STATE HOSPITAL		20.6		103*
9087	H D JONES		20.2		101
	60 MURIATE OF POTASH				
1185	KENTUCKY STATE REFORMATORY			59.6	99
<u>MATHIESON CHEMICAL CORPORATION</u>					
	10 20 20M				
4341	WARREN SEED COMPANY	10.1	20.5	20.7	102
	10 30 10M				
2203	MIDWAY IMPLEMENT COMPANY	10.7	33.5	10.0	109
	13 13 13M				
2202	MIDWAY IMPLEMENT COMPANY	13.2	13.9	14.3	105
<u>MID SOUTH CHEMICAL COMPANY</u>					
	82 ANHYDROUS AMMONIA				
1428	MIDSOUTH CHEMICAL CO MORGANFIELD	82.0			100
1430	MIDSOUTH CHEMICAL CO HANSON	82.0			100
1431	MIDSOUTH CHEMICAL CO BENTON	82.0			100
1432	MIDSOUTH CHEMICAL CO MURRAY	82.0			100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>MID SOUTH CHEM COMPANY CONTINUED</u>		(Percent)	(Percent)	(Percent)	
<u>82 ANHYDROUS AMMONIA CONTINUED</u>					
1433	MIDSOUTH CHEMICAL CO MAYFIELD	82.0			100
1434	MIDSOUTH CHEMICAL CO GRACEY	82.0			100
1435	MIDSOUTH CHEMICAL CO HOPKINSVILLE	82.0			100
1436	MIDSOUTH CHEMICAL CO TRENTON	82.0			100
1439	MIDSOUTH CHEMICAL CO BOWLING GREEN	82.0			100
<u>MISSISSIPPI CHEMICAL CORPORATION</u>					
<u>33 5 AMMONIUM NITRATE</u>					
2182	STATTON IMPLEMENT COMPANY	33.9			101
3084	SPHAR & COMPANY	33.4			100
<u>MISSISSIPPI RIVER CHEMICAL CO</u>					
<u>33 5 AMMONIUM NITRATE</u>					
1252	VIRGIL ADAMS	33.8			101
1495	FARMERS SUPPLY COMPANY EMINENCE	34.0			101
4189	GRAVES COUNTY SOIL ASSOC	34.0			101
<u>MISSOURI PLANT FOOD CO INC</u>					
<u>0 20 20M</u>					
4391	COOPER SEED & FEED STORE		17.8*	20.2	93*
4393	KEVIL FEED & SUPPLY COMPANY		21.5	21.2	107
<u>3 12 12M</u>					
4290	LOVELACEVILLE FEED MILL	4.0	12.2	13.7	111
4392	COOPER SEED & FEED STORE	3.5	12.2	13.6	108
<u>4 12 8M</u>					
4241	YOUNGBLOOD I G A MARKET	4.4	12.2	10.2	109
4274	RECORDS GROCERY	4.1	12.3	8.3	103
4275	THERON KENDALL	4.0	12.1	8.8	102
<u>5 10 10S</u>					
4289	LOVELACEVILLE FEED MILL	5.1	10.5	11.0	105
4396	KEVIL FEED & SUPPLY COMPANY	5.1	10.4	10.1	103
<u>5 10 15S</u>					
4226	COOPER SEED & FEED STORE	4.8	11.3	15.7 (1)	105
<u>5 10 15S PESTICIDE</u>					
4397	KEVIL FEED & SUPPLY COMPANY (2)	4.6*	10.5	15.0 (3)	100
<u>8 8 8M</u>					
4291	LOVELACEVILLE FEED MILL	8.3	8.8	6.9*	103
<u>10 20 10M</u>					
4394	KEVIL FEED & SUPPLY COMPANY	9.6*	20.0	10.3	99
<u>12 12 12M</u>					
4225	COOPER SEED & FEED STORE	12.2	12.1	13.0	103
4292	LOVELACEVILLE FEED MILL	11.4*	11.5*	11.0*	95*
4395	KEVIL FEED & SUPPLY COMPANY	11.7*	12.3	12.9	101
<u>14 14 14M</u>					
4293	LOVELACEVILLE FEED MILL	14.0	13.4*	15.0	100
<u>50 SULFATE OF POTASH</u>					
4227	COOPER SEED & FEED STORE			50.6 (4)	101

(1) EXCESS MURIATE EQUIVALENT TO 2.0% POTASH

(2) ALDRIN GUARANTEED 0.5%-----FOUND 0.46%

(3) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 1.5% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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)	
<b>MISSOURI PLANT FOOD CO CONTINUED</b>					
8818	60 MURIATE OF POTASH COOPER SEED & FEED STORE			59.6	99
<b>NORTH AMERICAN FERTILIZER CO</b>					
	<b>0 12 12M</b>				
1259	GEORGE HARROD		135	12.1	109
2059	SIMPSON BROS FEED MILL		11.6*	11.5*	96*
8938	GEO FREMD JR		11.5*	12.0	97*
	<b>0 20 20M</b>				
1314	FROMAN FRYE		19.6*	19.9	99
1387	CLIFFORD COYLE		19.2*	19.1*	96*
	<b>2 12 6M</b>				
1224	RIZER BROTHERS	2.6	11.9	7.0	107
2048	YOUNGS SEED HOUSE	2.7	13.2	8.0	118
2214	ED BARK	2.1	11.8	6.3	101
2246	B A THORPE	2.5	12.0	7.1	107
	<b>3 9 6M</b>				
74	RENFRO SUPPLY COMPANY	3.7	11.5	8.8	130
1392	J B WADE	3.8	9.6	7.4	115
2245	APPLEBY & COMPANY	2.8	9.1	6.9	102
2366	PAUL BRIGHTS MILL	3.3	10.2	7.8	115
	<b>3 12 12M</b>				
1260	E H STRATTON	3.1	12.0	12.3	101
1315	FROMAN FRYE	3.1	12.4	12.2	103
1466	HANCOCKS FEED STORE	3.4	12.1	12.7	105
2368	MAJORS TRUCK LINE	3.1	12.2	12.1	102
4106	EVERETT WOOSLEY GENERAL MERCHANDISE	3.1	12.1	11.9	101
	<b>4 12 8M</b>				
1386	CLIFFORD COYLE	4.2	11.7*	8.4	101
1468	HANCOCKS FEED STORE	4.1	11.6*	8.6	100
2031	A RAY DYER GENERAL STORE	4.1	11.5*	8.2	99
2124	HENRY DURHAM HARDWARE	4.0	11.9	8.0	100
2255	TAYLOR COUNTY IMPLEMENT & FEED CO	3.9	11.8	8.3	99
2369	MAJORS TRUCK LINE	4.0	11.7*	7.9	98*
4107	EVERETT WOOSLEY GENERAL MERCHANDISE	4.1	11.4*	8.1	98*
	<b>4 16 16M</b>				
2057	SIMPSON BROS FEED MILL	4.1	16.8	16.1	103
8936	GEO FREMD JR	4.0	15.8	15.9	99
	<b>5 10 10M</b>				
1289	CREED ONEY	4.8	14.8	14.2	129
2141	FURKIN BROTHERS	5.0	10.0	10.4	101
4377	RAYMOND TATUM	5.6	11.2	10.3	110
9057	HAGAN & STONE COMPANY	4.5*	10.5	11.2	102
	<b>5 10 15S</b>				
115	ALLEN MORRIS	5.3	10.2	15.0	103
1090	BILL LOGAN	5.3	10.0	15.5	103
1215	BURNS FEED STORE	5.5	10.0	15.0	103
1245	G F ELLIS	5.2	10.8	14.0*	102
1290	CREED ONEY	5.5	10.3	15.0	104
1316	FROMAN FRYE	5.2	10.0	15.8	103
1338	HOWARD H HOWELLS	5.0	10.1	15.0	100
1361	W T FORSEE & SON	5.1	10.7	14.9	103
1379	F D BEGLEY	5.2	10.2	15.0	102
2058	SIMPSON BROS FEED MILL	5.5	10.0	15.6	104
2088	R D REYNOLDS	5.0	10.1	15.7	102
3185	EARL KENDALL	5.6	10.1	15.1	104
4379	RAYMOND TATUM	5.2	10.9	15.3 (1)	105
	<b>5 20 20M</b>				
1254	J B COBB & SONS	5.1	20.1	19.0*	99
2060	FARMERS FEED MILL BURKESVILLE	5.2	18.4*	19.2*	95*

(1) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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)	
<b>NORTH AMERICAN FERT CO CONTINUED</b>					
	<b>6 6 18S</b>				
1339	J L CRUTCHER	5.7*	6.8	17.2*(1)	100
1367	J W SINGER	5.7*	6.4	17.9	100
1459	FRED H LLOYD	6.0	7.6	16.5*(2)	104
1482	G R LYONS	5.3*	8.2	16.0*	101
	<b>6 8 6M</b>				
1091	BILL LOGAN	6.3	8.1	6.0	103
1198	FAIRDALE HARDWARE	6.1	8.5	6.4	104
1203	I L HANCOCK	6.0	8.1	7.1	103
1446	I L HANCOCK	5.9	8.9	7.3	107
1465	HANCOCKS FEED STORE	5.8	8.6	7.5	105
1481	G R LYONS	6.1	8.1	6.6	103
4108	EVERETT WOOSLEY GENERAL MERCHANDISE	6.3	8.4	6.1	106
4378	RAYMOND TATUM	5.8	8.2	6.0	100
	<b>6 8 6S</b>				
1261	E H STRATTON	6.1	8.1	6.5	103
2087	R D REYNOLDS	6.1	7.6*	5.9	99
2244	APPLEBY & COMPANY	5.9	8.3	6.2	101
2247	B A THORPE	5.7*	8.3	6.0	99
3184	EARL KENDALL	5.9	7.9	5.9	99
4380	RAYMOND TATUM	5.5*	8.2	6.6	99
9058	HAGAN & STONE COMPANY	5.9	7.9	6.3	100
	<b>10 10 10M</b>				
1204	I L HANCOCK	9.9	10.3	9.9	100
1458	FRED H LLOYD	9.6*	10.3	10.7	100
2061	FARMERS FEED MILL BURKESVILLE	9.2*	10.3	10.1	97*
2370	MAJORS TRUCK LINE	10.1	10.3	9.7*	101
	<b>12 12 12M</b>				
1467	HANCOCKS FEED STORE	12.2	12.7	13.4	105
	<b>20 SUPERPHOSPHATE</b>				
2073	JOHN L VINSON & SON		20.2		101
4105	EVERETT WOOSLEY GENERAL MERCHANDISE		19.2*		96*
8937	GEO FREMD JR		20.7		103
	<b>50 SULFATE OF POTASH</b>				
1088	ROBERT HICKS			51.4	103
1350	WILLIAM ELKINS			49.8	100
1393	J B WADE			50.2	100
	<b>60 MURIATE OF POTASH</b>				
1089	ROBERT HICKS			60.0	100
1351	WILLIAM ELKINS			58.9*	98*
1368	J W SINGER			55.6*	93*
<b>OHIO VALLEY FERTILIZER CORP</b>					
	<b>0 20 20M</b>				
3153	ATLEY ADKINS		19.4*	20.9	100
	<b>2 12 6M</b>				
3298	VIRGIL STALLARD	2.0	11.6*	6.2	98*
	<b>3 12 12M</b>				
3152	ATLEY ADKINS	3.2	11.2*	11.5*	97*
3253	DENTON MERCANTILE COMPANY	2.9	11.7*	13.0	100
3300	VIRGIL STALLARD	3.2	12.0	11.2*	100
	<b>4 12 8M</b>				
3299	VIRGIL STALLARD	3.8	12.2	8.2	100
	<b>4 12 8S</b>				
3256	R C PENNINGTON & SONS	3.7*	11.0*	9.0	96*

(1) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 1.1% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>OHIO VALLEY FERT CORP CONTINUED</u>					
3115	4 16 4S WITH ALDRIN ADAMS & MOORE (1)	4.0	152*	5.0	99
1152	5 10 10M PATTERSON & GUTHRIE	4.9	9.9	10.1	99
1346	PATTERSON & GUTHRIE	4.6*	10.0	10.1	98*
3205	S M ROBERSON FEED MARKET	4.7*	10.1	10.4	99
3313	12TH STREET FEED STORE	4.9	10.3	10.1	101
3325	RAYMOND STEWART	4.7*	10.1	9.9	98*
1154	5 10 15S PATTERSON & GUTHRIE	5.0	10.1	15.3	101
1348	PATTERSON & GUTHRIE	4.9	10.6	14.8	101
3057	WEST LIBERTY CUT RATE MARKET	4.8	10.1	15.1	99
3123	DOUGLAS MCLONEY	5.1	9.9	15.9 (2)	102
3238	JESSE BELL	4.9	9.9	15.3	100
1153	5 10 20S PATTERSON & GUTHRIE	5.0	9.9	19.7*	99
1347	PATTERSON & GUTHRIE	4.5*	10.4	20.2	99
3255	R C PENNINGTON & SONS	4.6*	10.6	19.6*	99
1155	5 20 20M PATTERSON & GUTHRIE	4.9	19.1*	19.2*	96*
1349	PATTERSON & GUTHRIE	5.0	20.0	20.0	100
3122	6 6 18S DOUGLAS MCLONEY	5.6*	8.1	15.6*(3)	101
3056	6 8 6S WEST LIBERTY CUT RATE MARKET	5.7*	8.4	7.1	103
3254	DENTON MERCANTILE COMPANY	5.9	8.6	6.5	104
3297	VIRGIL STALLARD	5.9	8.4	6.1	102
3124	20 SUPERPHOSPHATE DOUGLAS MCLONEY		19.9		100
3196	ATKINSON FARM SUPPLY		19.8		99
<u>PRICE CHEMICAL CO</u>					
1011	0 20 20M HARDIN COUNTY MILLING COMPANY		20.3	19.4*	100
1457	STOUTTS FEED STORE		22.3	20.1	108
2424	HARDIN COUNTY MILLING COMPANY		18.6*	18.5*	96*
3007	ROSCOE MEADOWS		20.5	21.7	105
3089	FOX BROS		19.6*	20.1	99
1023	2 12 6M Y P SNELL	2.7	12.3	6.4	109
2300	HARDIN COUNTY MILLING CO	2.3	12.2	6.9	106
3243	CHARLES & WILLIARD MANN	2.3	12.5	7.0	108
4218	3 9 6M B B LANDRUM GENERAL MERCHANDISE	3.1	8.9	6.4	102
1384	3 12 12M J C ROBINSON & COMPANY	3.2	12.1	13.1	104
2001	HARDIN COUNTY MILLING CO	2.5*	11.9	13.5	100
2301	HARDIN COUNTY MILLING CO	3.4	12.2	12.6	105
9007	MONARCH MILLING COMPANY	2.6*	12.1	12.4	99
1196	4 12 8M STOUTTS FEED STORE	3.7*	12.5	9.1	103
1424	J H LYON & SONS	3.7*	12.3	8.1	100
1456	STOUTTS FEED STORE	3.4*	12.1	8.4	97*
2049	YOUNGS SEED HOUSE	4.7	11.7*	7.7*	103

(1) ALDRIN GUARANTEED 0.29%-----FOUND 0.30%

(2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>PRICE CHEMICAL COMPANY CONTINUED</u>		(Percent)	(Percent)	(Percent)	
<u>4 12 8M CONTINUED</u>					
2212	MCGARY BROTHERS	4.5	12.1	7.9	104
2321	JACK SHIRLEY	3.9	12.7	7.9	102
3127	BOURBON HATCHERY	4.4	11.9	8.0	102
<u>4 16 16M</u>					
3090	FOX BROS	4.0	15.9	16.7	101
<u>5 10 15S</u>					
1035	J C ROBINSON COMPANY	5.2	10.1	16.8	105
1093	JETT COAL & SUPPLY	5.2	10.0	15.9	(1) 103
1213	C W ASHLY & COMPANY	5.0	10.3	15.2	102
1267	WOODFORD FEED COMPANY	5.0	10.5	16.0	104
1425	J H LYON & SONS	4.8	10.8	15.0	102
2190	HARDIN COUNTY MILLING CO	4.9	10.5	15.7	103
2320	JACK SHIRLEY	5.0	10.3	15.9	103
3008	ROSCOE MEADOWS	5.2	10.5	16.5	106
3086	FOX BROS	5.1	10.3	16.6	105
9008	MONARCH MILLING COMPANY	5.1	10.4	15.8	104
<u>6 6 18S</u>					
1087	WOODFORD FEED COMPANY	6.4	6.0	19.6	106
1268	WOODFORD FEED COMPANY	5.7*	6.1	19.7	102
3091	M B FOX	6.3	5.9	19.2	104
<u>6 8 6S</u>					
1092	JETT COAL & SUPPLY	6.2	8.6	7.7	(2) 109
1197	STOUTS FEED STORE	6.1	8.0	7.6	(3) 105
1229	J H LYON & SONS	6.0	8.1	7.9	(4) 105
1423	J H LYON & SONS	5.9	8.8	7.2	106
1455	STOUTTS FEED STORE	5.6*	9.6	7.5	(5) 109
2002	HARDIN COUNTY MILLING CO	5.9	8.3	7.4	104
2353	HARDIN COUNTY MILLING CO	6.4	8.5	6.9	108
3087	FOX BROS	5.7*	8.3	7.4	103
3092	M B FOX	6.0	8.7	7.8	108
4219	B B LANDRUM GENERAL MERCHANDISE	6.2	8.0	7.3	(6) 105
9006	MONARCH MILLING COMPANY	5.9	8.2	7.1	103
9147	STOCKTON BROS	5.9	8.2	7.7	105
<u>10 10 10M</u>					
2189	HARDIN COUNTY MILLING CO	9.2*	11.1	10.5	101
3006	ROSCOE MEADOWS	9.4*	10.5	11.1	101
3088	FOX BROS	9.3*	10.5	11.1	100
3247	ROSCOE MEADOWS	9.2*	10.9	10.1	99
<u>20 SUPERPHOSPHATE</u>					
1010	HARDIN COUNTY MILLING CO		20.8		104
1195	STOUTS FEED STORE		20.1		100
<u>50 SULFATE OF POTASH</u>					
1214	C W ASHLY & COMPANY			49.9	100
<u>60 MURIATE OF POTASH</u>					
3098	MONARCH MILLING COMPANY			59.9	100
<u>SCHROCK FERTILIZER SERVICE</u>					
<u>21 AMMONIUM SULFATE</u>					
4411	CRAFTON BROTHERS & DUNCAN & SINKHORN	21.2			101
<u>60 MURIATE OF POTASH</u>					
4412	CRAFTON BROTHERS & DUNCAN & SINKHORN			60.7	101

(1) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.3% POTASH

(4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(5) EXCESS MURIATE EQUIVALENT TO 1.3% POTASH

(6) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>O M SCOTT &amp; SONS CO</u>					
9050	9 7 4M JACK DAYTON & SONS	10.0	7.8	4.2	111
<u>SMITH AGRICULTURAL CHEMICAL COMPANY</u>					
1207	10 3 7M BUNTON SEED COMPANY	7.4*	7.0	8.9	105
<u>SOUTHERN STATES SEE COOP FERT SER</u>					
<u>SOUTHWEST VIRGINIA FARMERS COOP</u>					
9024	5 10 10M HARLAN FARMERS SUPPLY	5.1	9.4*	11.2	101
<u>SPENCER CHEMICAL COMPANY</u>					
3045	33 5 AMMONIUM NITRATE BI COUNTY FARM BUREAU COOP	33.4			100
3109	EARL KENDALL	33.4			100
3120	FLOYD G BARLOW	33.8			101
1426	82 ANHYDROUS AMMONIA NITROGEN FERTILIZER SERVICE	82.0			100
<u>SWIFT &amp; COMPANY</u>					
4369	0 20 20M MORGANFIELD HARDWARE COMPANY		19.4*	20.7	99
8918	MORGAN & CRENSHAW		20.7	20.1	103
2045	3 12 12M SULLIVAN IMPLEMENT COMPANY	3.1	12.2	11.8	101
4370	MORGANFIELD HARDWARE COMPANY	3.0	12.0	11.4*	99
8819	COOPER SEED & FEED STORE	3.0	11.9	14.4	105
8919	MORGAN & CRENSHAW	3.2	11.8	12.5	102
9022	WILDERS STORE	3.0	12.6	13.6	106
9043	T W DUNCAN HARDWARE	3.3	12.1	12.0	102
2009	4 8 12S HARRIS FEED COMPANY	4.4	8.5	11.4*	104
2015	FARMERS FEED MARKET BOWLING GREEN	3.9	8.3	12.0	101
2251	SHIPP SEED HOUSE	3.7*	8.2	12.6	100
3097	MONARCH MILLING COMPANY	4.2	8.4	11.8 (1)	103
4329	TRIGG COUNTY TRADING COMPANY	3.8	8.6	11.8	101
83	5 10 5M HARLAN FRUIT COMPANY	4.6*	9.7*	5.2	96*
155	5 10 15S COOK BROTHERS	5.0	10.0	15.9	102
3175	L S BRENT SEED COMPANY	5.1	10.0	15.5	102
3342	STANLEY PENN & SONS	4.2*	10.4	15.4 (2)	98*

(1) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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; COMPANY CONTINUED</u>					
<u>5 10 15S CONTINUED</u>					
4229	COOPER SEED & FEED STORE	4.5*	11.2	13.9*	100
4330	TRIGG COUNTY TRADING COMPANY	4.9	10.5	15.0	101
9042	T W DUNCAN HARDWARE	4.6*	11.4	14.2*(1)	102
<u>5 20 20M</u>					
4371	MORGANFIELD HARDWARE COMPANY	5.2	19.7*	20.5	101
<u>6 10 4M</u>					
1012	COOPER BROS FEED STORE	6.0	10.4	4.6	103
1169	J W SETTLE FEED STORE	6.5	10.2	3.7*	104
3019	J T LAWSON HARDWARE COMPANY	5.9	10.6	4.9	104
3096	MONARCH MILLING COMPANY	5.8	10.8	4.5	104
3176	C S BRENT SEED COMPANY	6.2	10.6	4.1	105
3177	C S BRENT SEED COMPANY	6.3	10.0	4.0	102
4313	ELDRED HARDWARE COMPANY	5.7*	10.3	4.1	100
4328	TRIGG COUNTY TRADING COMPANY	5.6*	10.0	4.1	97*
8725	C S BRENT SEED COMPANY	5.0*	11.0	4.5	99
8920	MORGAN & CRENSHAW	6.1	11.6	4.5	110
9044	T W DUNCAN HARDWARE	6.1	10.5	4.2	104
<u>6 10 4S</u>					
1170	J W SETTLE FEED STORE	6.4	9.9	4.0	102
2003	COOPER BROS FEED STORE	6.2	10.0	4.1	102
<u>8 8 8M</u>					
4372	MORGANFIELD HARDWARE COMPANY	7.5*	8.8	7.8	100
<u>10 10 10M</u>					
4373	MORGANFIELD HARDWARE COMPANY	10.0	9.9	10.0	100
<u>12 12 12M</u>					
3178	STANLEY PENN & SONS	11.7*	12.3	11.6*	99
4228	COOPER SEED & FEED STORE	10.1*	12.6	14.5	97*
8820	COOPER SEED & FEED STORE	11.5*	11.9	12.4	98*
9023	WILDERS STORE	10.0*	13.7	12.9	98*
<u>TENNESSEE CHEMICAL COMPANY</u>					
<u>0 20 20M</u>					
4077	HARRALSON SEED COMPANY		21.1	19.0*	102
<u>2 12 6M</u>					
2173	N T NUCKOLS	2.3	11.9	6.5	103
<u>3 12 12M</u>					
4078	HARRALSON SEED CO	3.0	12.2	12.1	101
<u>4 12 8M</u>					
2174	N T NUCKOLS	4.1	12.0	8.1	101
4082	HARRALSON SEED COMPANY	4.1	12.2	7.8	101
<u>4 16 16M</u>					
4422	E C RUMMAGE & SON	3.9	15.4*	16.9	99
<u>5 10 5M</u>					
4404	LOLA GROCERY	5.0	10.1	5.4	102
<u>5 10 15S</u>					
2175	N T NUCKOLS	4.9	10.0	14.9	99
4423	E C RUMMAGE & SON	4.9	9.9	15.1 (2)	99
<u>6 8 6M</u>					
4080	HARRALSON SEED CO	5.8	8.5	6.1	101

(1) EXCESS MURIATE EQUIVALENT TO 1.1% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 CO CONTINUED</u>					
4084	6 8 6S HARRALSON SEED CO	5.8	9.0	6.5	105
4079	6 12 12M HARRALSON SEED CO	5.7*	12.4	12.0	100
2172	8 16 16M N T NUCKOLS	7.9	16.1	16.2	100
4083	10 6 4M HARRALSON SEED CO	9.4*	8.8	6.5	114
4081	10 10 10M HARRALSON SEED CO	9.9	10.8	9.9	102
4076	20 SUPERPHOSPHATE HARRALSON SEED CO		20.6		103
4403	LOLA GROCERY		19.9		100
<u>TENNESSEE CORPORATION</u>					
3339	0 20 20M SOMERSET SEED COMPANY BI COUNTY FARM BUREAU COOP		20.8	18.9*	101
4214	L B CARDEN		20.8	19.4*	102
			19.5*	17.9*	95*
1412	2 12 6M ICES PRODUCE	2.1	12.5	5.9	103
3100	DORSEY BROS & FISHER	3.1	12.5	7.0	115
3312	LYND HARDWARE	2.4	12.1	7.5	108
9055	HAGAN & STONE	2.0	11.6*	6.4	99
19	3 12 12M SOMERSET SEED COMPANY	3.0	12.5	13.7	106
248	ELLIOTTS STORE	3.4	12.2	12.6	105
1264	GEORGE BUSEY & SON	3.0	11.9	12.6	101
1411	ICES PRODUCE	3.0	12.3	11.8	101
2302	COOPER BROTHERS FEED STORE	2.9	11.8	12.0	98*
2307	JAMES S SANDERS	3.2	11.8	12.8	102
2381	HAGAN & STONE	2.9	11.7*	12.8	100
8991	UNION GROCERY COMPANY	3.0	11.7*	12.3	99
33	4 12 8M TARTER FEED MILLS	4.2	12.0	8.5	103
1235	HAYDON MILL & GRAIN COMPANY	3.9	12.0	8.0	99
1326	WALTER EPPERSON	4.0	12.9	8.7	106
1394	HAYDON MILL & GRAIN COMPANY	4.0	11.1*	9.1	98*
2213	PARKE MILLER	3.9	12.1	8.5	101
3046	BI COUNTY FARM BUREAU COOP	4.0	13.1	9.4	108
3133	H T ROBERTS	4.2	13.3	10.6	113
3155	UNION GROCERY COMPANY	3.9	12.9	8.0	103
3335	FALMOUTH FARM SUPPLY	4.1	12.7	9.7	108
4213	L B CARDEN	4.0	12.2	8.7	103
9054	HAGAN & STONE	3.9	12.0	8.3	100
1382	4 16 16M ALBERT YATES & SON	3.9	16.1	16.6	101
2211	5 10 10M PARKE MILLER	4.7*	11.9	10.4	107
2380	HAGAN & STONE	4.9	10.1	10.3	100
3311	LYND HARDWARE	4.5*	11.1	10.1	102
4215	L B CARDEN	4.8	10.0	10.0	98*
3190	5 10 10S SPEARS KISER COMPANY	4.7*	11.6	9.2*(1)	103
4216	L B CARDEN	4.4*	10.9	8.9*	98*

(1) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 CORPORATION CONTINUED</u>					
	5 10 15S				
49	ELLIOTTS STORE	5.0	10.2	15.1	101
1126	G G WOOD HARDWARE	5.0	10.2	15.0	101
1234	HAYDON MILL & GRAIN COMPANY	4.9	10.0	15.3	100
1263	GEORGE BUSEY & SON	4.9	9.6*	15.5	99
1327	WALTER EPPERSON	4.6*	10.8	15.3	101
1381	ALBERT YATES & SON	5.0	10.2	15.0	101
1396	HAYDON MILL & GRAIN COMPANY	4.9	9.3*	16.5	100
1413	ICES PRODUCE	4.9	10.0	15.0	99
2081	L A STILTS	4.9	10.0	15.1	100
2210	PARKE MILLER	5.0	10.5	14.3*	101
2367	A RAY DYER	4.7*	10.4	14.8	99
3032	STAGGS BROS	4.8	10.6	15.7	103
3101	DORSEY BROS & FISHER	5.0	10.3	15.8	103
3179	FARMERS FEED MILL LEXINGTON	4.7*	10.7	15.6	102
4217	L B CARDEN	4.9	10.2	15.8	102
8930	NORTH PLEASUREVILLE FARM SUPPLY	5.0	10.2	14.8	100
	5 20 20M				
8352	FARMERS SUPPLY COMPANY MONTICELLO	4.6*	20.1	20.7	100
	6 8 6S				
3031	STAGGS BROS	5.6*	8.9	6.0 (1)	102
3102	DORSEY BROS & FISHER	5.4*	10.3	6.0	107
3134	H T ROBERTS	5.8	8.7	6.5 (2)	103
8924	NORTH PLEASUREVILLE FARM SUPPLY	5.6*	8.9	6.6 (2)	103
8989	UNION GROCERY COMPANY	5.5*	9.7	6.8 (3)	107
	10 10 10M				
1414	ICES PRODUCE	9.9	10.8	9.8	102
3156	UNION GROCERY COMPANY	9.1*	11.2	10.6	101
	20 SUPERPHOSPHATE				
1072	WALTERS & THOMPSON		20.7		103
1395	HAYDON MILL & GRAIN COMPANY		19.8		99
3240	H T ROBERTS		19.0*		95*
3310	LYND HARDWARE		20.1		100
<u>TENNESSEE VALLEY AUTHORITY</u>					
	33 5 AMMONIUM NITRATE				
8917	G M TAYLOR SEED COMPANY	33.7			101
<u>TRI STATE CHEMICAL CO</u>					
	0 20 20M				
4353	HERSHELL PHELPS		20.1	20.1	101
8799	TRI STATE CHEMICAL COMPANY		18.9*	19.3*	95*
	3 12 12M				
4296	JACKSON BROTHERS	3.7	12.3	12.6	107
8800	TRI STATE CHEMICAL COMPANY	3.5	12.1	12.2	104
	4 12 8M				
4161	TRI STATE CHEMICAL COMPANY	3.9	11.9	7.9	99
	5 10 15S				
4163	TRI STATE CHEMICAL COMPANY	5.0	10.5	14.5*	101
	5 15 10M				
4162	TRI STATE CHEMICAL COMPANY	5.0	14.5*	10.5	99
	5 20 20M				
8801	TRI STATE CHEMICAL COMPANY	4.9	20.1	20.3	100

(1) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

(2) EXCESS MURIATE EQUIVALENT TO 0.4% POTASH

(3) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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>TRI STATE CHEMICAL CO CONTINUED</u>					
	6 8 6M				
4167	NORRIS HARDWARE & SEED COMPANY	6.0	8.6	6.3	104
4297	JACKSON BROTHERS	5.5*	9.1	6.7	104
8802	TRI STATE CHEMICAL COMPANY	6.5	8.3	7.0	108
	10 10 10M				
4352	TRI STATE CHEMICAL COMPANY	9.7*	11.4	9.7*	103
8798	TRI STATE CHEMICAL COMPANY	9.5*	11.0	10.8	102
	12 12 12M				
4166	TRI STATE CHEMICAL COMPANY	12.1	12.7	12.5	103
	46 SUPERPHOSPHATE				
4160	TRI STATE CHEMICAL COMPANY		44.5*		97*
	50 SULFATE OF POTASH				
4165	TRI STATE CHEMICAL COMPANY			49.4*	99
	60 MURIATE OF POTASH				
4164	TRI STATE CHEMICAL COMPANY			59.9	100
<u>VALLEY COUNTIES OF KY COOP INC</u>					
	6 24 24M				
4066	GRAVES COUNTY SOIL ASSOCIATION	6.3	24.7	25.0	104
	9 18 27S				
4338	MARSHALL COUNTY SOIL IMPROV ASSOC	8.0*	17.3*	30.1 (1)	99
	10 30 20M				
4109	SOUTHERN STATES CRITTENDEN COOP	10.2	31.5	19.6*	103
4174	HUTSON CHEMICAL COMPANY	10.2	31.6	20.0	103
4175	VALLEY COUNTIES OF KY COOP	10.3	32.8	20.0	106
4301	LYON COUNTY SOIL IMPROV ASSOC	10.0	31.1	20.9	103
4339	MARSHALL COUNTY SOIL IMPROV ASSOC	9.9	31.5	20.6	103
	33 5 AMMONIUM NITRATE				
4032	GEORGE PATMOR & SON	33.4			100
8811	LIVINGSTON CO COOP SOIL IMPROV ASSOC	33.3			99
	47 SUPERPHOSPHATE				
8813	LIVINGSTON CO COOP SOIL IMPROV ASSOC		49.0		104
	61 CALCIUM METAPHOSPHATE				
4031	GEORGE PATMOR & SON		62.6		103
8812	LIVINGSTON CO COOP SOIL IMPROV ASSOC		61.7		101
	62 CALCIUM METAPHOSPHATE				
4340	MARSHALL COUNTY SOIL IMPROV ASSOC		64.0		103
	50 SULFATE OF POTASH				
8830	GRAVES COUNTY SOIL ASSOCIATION			50.5	101
	60 MURIATE OF POTASH				
8810	LIVINGSTON CO COOP SOIL IMPROV ASSOC			60.4	101
<u>VIRGINIA CAROLINA CHEMICAL CORP</u>					
	0 12 12M				
2110	AGNES DAVIS		11.7*	12.9	101

(1) EXCESS MURIATE EQUIVALENT TO 0.7% POTASH

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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
VIRGINIA CAROLINA CHEM CORP CONT		(Percent)	(Percent)	(Percent)	
	0 12 12M 5LB BORAX PER 100 (1)				
2416	G P WIMPY & SON		12.7	12.7	106
4305	RATLIFF HARDWARE COMPANY		12.2	12.5	103
	0 20 20M				
52	HARDY BROS		20.5	20.0	102
1077	SHELBY FEED & SEED COMPANY		20.7	19.9	102
1313	SHELBY FEED & SEED COMPANY		20.5	19.7*	101
1502	FARM EQUIPMENT COMPANY		21.0	20.1	104
2109	AGNES DAVIS		19.1*	21.5	101
2286	VA CAR CHEM CORP HOPKINSVILLE		20.0	20.4	101
2415	H E MURRAY		19.9	19.8	99
2418	H E MURRAY		20.0	20.9	102
4306	RATLIFF HARDWARE COMPANY		19.1*	20.1	97*
	2 12 6M				
1415	GRIGSBY & COMPANY	2.4	12.0	6.9	106
2016	FARMERS FEED MARKET BOWLING GREEN	2.0	12.4	6.7	104
2180	AGNES DAVIS	2.1	12.2	6.7	104
2314	HADIS HARVEY STORE	2.4	13.0	6.0	109
4325	TRIGG COUNTY TRADING COMPANY	2.0	12.6	6.4	104
4430	YOUNG LUMBER COMPANY	2.4	12.8	6.9	110
8372	U L ROGERS & SON	2.2	11.4*	6.9	101
9071	BIG FOUR FEED & IMPLEMENT COMPANY	2.4	11.7*	7.1	105
	3 12 12M				
5	DUNNINGTON MILLING CO	3.3	12.8	12.4	106
1013	FARMERS SUPPLY COMPANY UPTON	3.1	12.7	12.6	105
1076	SHELBY FEED & SEED COMPANY	3.2	12.4	12.0	103
1403	VA CAR WAREHOUSE CORP DANVILLE	3.6	13.4	12.6	112
2178	AGNES DAVIS	3.2	12.2	12.4	103
2248	DUDGEON & ROBINSON	3.2	12.7	12.0	104
2417	LASITER HITE	3.2	12.2	12.7	104
3204	STAGG BROTHERS	3.4	13.0	12.9	109
4431	YOUNG LUMBER COMPANY	3.1	12.0	13.0	103
8656	COLLINS HARDWARE	3.2	12.7	12.4	105
	4 12 8M				
4	DUNNINGTON MILLING CO	4.1	12.9	8.0	105
1020	FARMERS FEED MARKET BOWLING GREEN	4.0	12.0	8.4	100
1078	SHELBY FEED & SEED COMPANY	4.1	12.5	8.5	103
1141	FARM EQUIPMENT COMPANY BEDFORD	4.1	12.8	8.4	105
2131	U L ROGERS & SON	4.0	13.0	8.6	106
2154	JOHNSON & HARRISON	3.9	12.2	8.7	102
2275	BIG FOUR FEED & IMPLEMENT COMPANY	4.1	12.1	7.9	101
2285	VA CAR CHEM CORP HOPKINSVILLE	4.1	11.9	8.4	101
3167	GRAYSON MILLING COMPANY	4.2	13.4	8.7	109
4001	FOX HARDWARE COMPANY	3.9	12.0	8.6	101
4034	MAXWELL FEED STORE	4.1	11.6*	9.1	101
4039	E L BARNES & SON	3.7*	12.2	8.5	100
4169	HAYES HARDWARE STORE	3.9	11.9	8.5	100
8371	U L ROGERS & SON	4.6	12.3	7.8	105
	4 12 8M PESTICIDE				
4436	ROBINSON IMPLEMENT & MOTOR COMPANY (2)	4.1	11.9	8.2	101
	4 12 8S				
1406	VA CAR WAREHOUSE CORP DANVILLE	4.1	12.1	8.2	102
	4 12 8 2M 6S				
2179	AGNES DAVIS	4.2	12.1	8.1	102
	5 10 10M				
1140	FARM EQUIPMENT COMPANY BEDFORD	5.2	11.1	10.5	107
1226	GRIGSBY & COMPANY	5.2	10.8	9.9	105
1404	VA CAR WAREHOUSE CORP DANVILLE	5.5	11.5	10.1	110
1417	GRIGSBY & COMPANY	5.2	11.1	10.9	108
3241	H T ROBERTS	5.1	10.8	9.7*	104
4326	TRIGG COUNTY TRADING COMPANY	4.5*	10.1	11.2	100
8369	U L ROGERS & SON	5.2	10.2	10.7	104

(1) SEE BORON TABLE - PAGE 58

(2) ALDRIN GUARANTEED 0.48%-----FOUND 0.36%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1956

(Analyses deficient more than one-fourth of one percent and relative values of 98 percent or less 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 CORP CONT</u>					
5 10 10S					
1016	CAVERNA FARM SUPPLY	4.9	9.9	10.9	101
1402	VA CAR WAREHOUSE CORP DANVILLE	5.2	9.9	10.3	102
2069	CAVERNA FARM SERVICE	4.8	10.5	10.2	101
2159	HOPKINSVILLE IMPLEMENT COMPANY	4.9	10.0	9.9	99
3132	H T ROBERTS	5.1	11.8	11.1	111
4320	E L BARNES & SON	4.8	10.5	10.4	102
4386	KUTTAWA FEED & SEED COMPANY	4.8	10.2	9.9	99
5 10 15S					
233	CUNDIFF SEED COMPANY	5.5	11.2	14.9	108
291	J W PURKEY & SONS	5.0	10.8	15.7	105
1075	SHELBY FEED & SEED COMPANY	5.2	10.9	15.1	105
1113	COLLINS HARDWARE	5.1	11.0	14.9	104
1325	WILLIE HOLLON	5.1	10.7	15.0	103
2004	FARMERS SUPPLY COMPANY UPTON	5.2	10.6	15.1	104
2008	CAVERNA FARM SUPPLY	5.1	10.3	15.0	102
2111	AGNES DAVIS	5.1	10.0	15.3	101
2249	DUDGEON & ROBINSON	5.1	11.0	14.7*	104
2277	BIG FOUR FEED & IMPLEMENT COMPANY	5.0	10.4	15.1	102
3130	H T ROBERTS	5.4	12.0	15.0 (1)	110
4003	FOX HARDWARE COMPANY	4.7*	10.6	15.2	101
4266	KUTTAWA FEED & SEED COMPANY	5.1	10.1	14.9	101
4327	TRIGG COUNTY TRADING COMPANY	5.0	10.6	15.1	103
8654	FARM EQUIPMENT COMPANY BEDFORD	5.2	11.0	14.9	105
8911	GRIGSBY & COMPANY	5.2	10.8	15.1	105
8978	WOODFORD SPEARS & SONS	5.2	10.6	14.8	103
5 20 20M					
1311	SHELBY FEED & SEED COMPANY	5.1	21.3	19.2*	103
1405	VA CAR WAREHOUSE CORP DANVILLE	5.2	20.8	20.3	103
8370	U L ROGERS & SON	5.1	19.9	20.0	100
6 8 6M					
4002	FOX HARDWARE COMPANY	5.6*	8.7	7.4	104
4040	E L BARNES & SON	5.9	8.2	6.4	101
4170	HAYES HARDWARE STORE	6.1	8.2	6.1	102
6 8 6S					
1506	VA CAR CHEMICAL CORP DANVILLE	6.1	8.9	7.1	108
2005	FARMERS SUPPLY COMPANY UPTON	5.8	7.9	6.6	100
2313	HADIS HARVEY STORE	6.4	9.4	6.4 (2)	111
2376	R D REYNOLDS	5.6*	8.5	6.4	101
3242	H T ROBERTS	3.7*	9.3	16.6 (3)	116
4432	YOUNG LUMBER COMPANY	5.8	8.6	6.8 (4)	104
8368	U L ROGERS & SON	5.8	8.2	6.4	101
6 12 12M					
2038	DUDGEON & ROBINSON	5.9	13.1	13.0	105
2070	CAVERNA FARM SERVICE	6.1	11.7*	12.4	100
2276	BIG FOUR FEED & IMPLEMENT COMPANY	6.1	11.6*	12.9	101
3131	H T ROBERTS	6.0	13.4	12.3	106
4375	R D SANDERFUR	6.1	11.4*	13.6	101
8 8 8M					
4267	KUTTAWA FEED & SEED COMPANY	7.7*	8.6	8.0	101
4331	TRIGG COUNTY TRADING COMPANY	8.9	9.9	8.9	115
10 10 10M					
53	HARDY BROS	10.0	10.8	10.4	103
1138	FARM EQUIPMENT COMPANY BEDFORD	9.6*	10.8	10.5	102
1225	GRIGSBY & COMPANY	10.1	10.8	9.9	103
1312	SHELBY FEED & SEED COMPANY	9.4*	11.4	10.3	102
1416	GRIGSBY & COMPANY	9.8	11.1	9.9	103
2414	A G SHELBY	10.1	10.3	10.3	102
4307	RATLIFF HARDWARE COMPANY	10.2	10.2	10.3	102
4376	R D SANDERFUR	10.2	10.2	10.2	102
20 SUPERPHOSPHATE					
1021	FARMERS FEED MARKET BOWLING GREEN		20.3		102
1139	FARM EQUIPMENT COMPANY BEDFORD		21.1		105
1279	DUNNS FARM SERVICE		20.4		102
4168	HAYES HARDWARE STORE		18.6*		93*

(1) EXCESS MURIATE EQUIVALENT TO 0.9% POTASH  
 (2) EXCESS MURIATE EQUIVALENT TO 0.6% POTASH  
 (3) ALL POTASH FROM MURIATE  
 (4) EXCESS MURIATE EQUIVALENT TO 0.5% POTASH

Table 2 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tricalcium Phosphate, January-June 1956

(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 CYANAMID COMPANY</u>						
Rock Phosphate						
8791	Farmers Cooperative, Owensboro	3.0	3.6	31.0	32.2	104
<u>INTERNATIONAL MINERALS &amp; CHEMICAL CORPORATION</u>						
Rock Phosphate						
3249	Steve Rose Market	3.0	3.7	30.0	30.3	101
<u>OWENS AGRICULTURAL PHOSPHATE CORPORATION</u>						
Rock Phosphate						
2116	Clifton W. Turner	2.0	2.6	30.0	28.6*	96
2287	W. G. Aldridge	2.0	2.5	30.0	28.0*	93
2327	W. G. Aldridge	2.0	2.7	30.0	30.0	100
2329	W. G. Aldridge	2.0	2.8	30.0	30.1	101
4253	M. F. Bryant & Sons Milling Co.	2.0	4.1	30.0	30.4	101
<u>ROBIN JONES PHOSPHATE COMPANY</u>						
Rock Phosphate						
2284	Cayce-Yost	3.0	2.5	30.0	29.8	99
2328	W. G. Aldridge	3.0	2.6*	30.0	31.6	106
4344	Bugg Brothers Feed & Supply Co.	3.0	3.5	30.0	31.9	106
8803	Tri-State Chemical Co., Henderson	3.0	3.3	31.0	29.8*	96
<u>RUHM PHOSPHATE &amp; CHEMICAL COMPANY</u>						
Rock Phosphate						
2348	W. G. Aldridge	---	---	30.0	30.5	102
4263	Baker Phosphate & Fertilizer Ser.	20.0	20.9	14.0	12.5*	101
4264	Baker Phosphate & Fertilizer Ser.	---	3.5	30.0	30.1	101
<u>SCHROCK FERTILIZER SERVICE</u>						
Rock Phosphate						
4243	James A. Logsdon	---	4.5	33.0	33.6	102
4410	Crafton Brothers	---	4.8	33.0	34.8	103
8788	Shaffer Phosphate Service	---	4.2	33.0	32.8	99
<u>THOMPSON SALES COMPANY</u>						
Soft Phosphate with Colloidal Clay						
4179	H. H. Spahr	2.0	2.6	20.0	21.6	108



TABLE 3 - Analyses of Inspection Samples of Bones, Dried Manures, etc., January-June, 1956

(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
		Percent	Percent	Percent	

THE SEWERAGE COMMISSION OF THE CITY OF MILWAUKEE

5.5-4-0 Milorganite

1004	Bunton Seed Company	5.7	4.1		104
1450	Bunton Seed Company	5.6	4.2		102
3229	G. W. Hill Company	5.6	3.0*		98

TABLE 4 - Boron Analysis of samples reported as shown on previous pages

Page	Sample	Boron Guaranteed	Boron Found
8	292	0.34	0.22
	1236	0.57	0.52
	1287	0.57	0.65
10	1015	0.34	0.57
16	3069	0.57	0.42
	1376	0.57	0.55
21	31	0.34	0.39
	2020	0.34	0.36
	2046	0.34	0.34
	2089	0.34	0.39
	2170	0.34	0.30
	2400	0.34	0.33
	3104	0.34	0.37
	3262	0.34	0.38
	3324	0.34	0.36
	4202	0.34	0.37
	8652	0.34	0.37
	8933	0.34	0.34
	26	2013	0.23
4125		0.45	0.51
29	2393	0.57	1.06
30	94	0.57	0.26
	2119	0.57	0.51
	3076	0.57	0.52
	4414	0.57	0.57
35	1293	0.57	0.55
	2158	0.57	0.66
38	1173	0.34	0.33
39	1345	0.57	0.62
	1487	0.57	0.58
	1498	0.34	0.35
54	2416	0.57	0.49
	4305	0.57	0.50

4.5M--10-56