

Regulatory Bulletin 141

ANALYSES OF OFFICIAL FERTILIZER SAMPLES

by the

FEED AND FERTILIZER DEPARTMENT

KENTUCKY AGRICULTURAL EXPERIMENT STATION

SEMI-ANNUAL REPORT

SPRING SEASON

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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, 1957 and June 30, 1957.

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 as the beginning of each listing of sample with the actual analysis in the columns at the right in terms of nitrogen, available phosphoric acid, and potash.

An additional means of comparing guarantees with the analysis of samples is in the percent of relative value found, shown in the extreme right-hand column. The following examples illustrate how this relative value is calculated:

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

5.0 Units of Nitrogen	X	3	=	15.0
10.0 Units of Available Phosphoric Acid	X	2	=	20.0
15.0 Units of Potash	X	1	=	15.0
Total computed guaranteed value				<u>50.0</u>

The same procedure is followed for "found values". Assuming a sample of 5-10-15 was found to contain 5.1 units of nitrogen, 10.2 units of available phosphoric acid and 15.1 units of potash. The relative found value is computed:

5.1 Units of Nitrogen	X	3	=	15.3
10.2 Units of Available Phosphoric Acid	X	2	=	20.4
15.1 Units of Potash	X	1	=	<u>15.1</u>
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

- 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 Avenue
Sheffield, Alabama
- Bartlett & O'Bryan Fertilizer Co.
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
- California Spray Chemical Corp.
Lucas & Ortho Way
Richmond, California
- Chilean Nitrate Sales Corporation
120 Broadway, New York, N. Y.
- Commonwealth Fertilizer Company, Inc.
Morgantown Rd. , Russellville, Ky.
- Consolidated Chemical Company
Miller's Lane, Louisville, Kentucky
(See Price Chemical Co.)
- Cooperative Fertilizer Service
S. S. Bldg. , Richmond, Virginia
- Darling & Company
Chicago, Illinois
- Davison Chemical Corporation
Baltimore, Maryland
- E'Town Fertilizer Company
716 East Dixie Avenue
Elizabethtown, Kentucky
- Farmers Fertilizer Company
Smith Grove, Kentucky
- Federal Chemical Company
Starks Bldg. , Louisville, Kentucky
- Fertiline Corporation of America
Worthington, Ohio
- Grace Chemical Company
Memphis, Tennessee
- Hutson Chemical Company
Murray, Kentucky
- Hydroponic Chemical Company
Copley, Ohio
- International Minerals & Chemical Corp
Lockland Station, Cincinnati, Ohio
- Kentucky Fertilizer Works
222 Cook Avenue, Winchester, Ky.
- Knoxville Fertilizer Company
Knoxville, Tennessee
- Land O Nan Warehouse
Sturgis, Kentucky
- Louisville Fertilizer Company
Box 1088, Nashville, Tennessee
(See Armour Fertilizer Works)
- Midsouth Chemical Company, Inc.
1235 Riverside Drive
Memphis, Tennessee
- Mississippi River Chemical Corporation
Selma, Missouri
- Missouri Plant Food Company, Inc.
Sikeston, Missouri
- Monsanto Chemical Company
1700 South Second Street
St. Louis, Missouri
- Morrison & Wallace
Hodgenville, Kentucky
- Na-Churs Plant Food Company
421 Monroe St.
Marion, Ohio

continued from previous page

- Nitro Form Agricultural Chemical
Div. of Woonsocket Color & Chem. Co.
92 Sunnyside Avenue
Woonsocket, Rhode Island
- North American Fertilizer Company
Preston St. at Bergman
Louisville, Kentucky
- The Ohio Valley Fertilizer Corporation
Maysville, Kentucky
- Olin Mathieson Chemical Corp.
Box 991
Little Rock, Arkansas
- Phillips Chemical Company
Bartlesville, Oklahoma
- Plant Marvel Laboratories
622 West 119th Street.
Chicago, Illinois
- Price Chemical Company
Miller's Lane, Louisville, Ky.
- Ra-Pid-Gro Corporation
88 Ossian St.
Dansville, New York
- Republic Steel Corporation
Cleveland, Ohio
- Robin Jones Phosphate Company
2001 Broadway
Nashville, Tennessee
- Ruhm Phosphate & Chemical Co.
813 Garden Street
Columbia, Tennessee
- Schrock Fertilizer Service
Congerville, Illinois
- Scope Chemicals
279 Ninth Street
Benton Harbor, Michigan
- O. M. Scott & Sons Company
Marysville, Ohio
- Sewerage Commission City of Milwaukee
Milwaukee, Wisconsin
- Smith Agricultural Chemical Company
185 Kentucky Avenue
Indianapolis, Indiana
- Southern States Clark County Cooperative
Winchester, Kentucky
- Spencer Chemical Company
Box 604, Pittsburg, Kansas
- The Stadler Fertilizer Company
1010 Dennison Avenue
Cleveland, Ohio
- Swift & Company
Union Stock Yards
Chicago, Illinois
- Tennessee Chemical Company
Box 1088, Nashville, Tennessee
(See Armour Fertilizer Works)
- Tennessee Corporation
Lockland Station, Cincinnati, Ohio
- Thompson Sales Company
Box 246, Montgomery, Alabama
- Tri-State Chemical Company
Henderson, Kentucky
- U. S. Steel Corporation
525 William Penn Place
Pittsburg, Pennsylvania
- Valley Counties of Kentucky Cooperative
Box 351, Murray, Kentucky
- Virginia-Carolina Chemical Corporation
Richmond, Virginia
- West Kentucky Liquid Fertilizer Corp.
Hopkinsville, Kentucky
- Zircon Products Company
Indianapolis, Indiana

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>ALLIED CHEMICAL & DYE CORP NIT DIV</u>		(Percent)	(Percent)	(Percent)	
12 12 12M					
2891	GILLISPIE SEED COMPANY	11.9	12.7	13.4	103
3648	GEORGE W HILL & COMPANY	12.4	11.9	12.0	101
4809	HUTSON CHEMICAL COMPANY	12.2	12.8	13.1	105
4914	CLINTON HATCHERY	11.9	12.8	12.5	103
16 NITRATE OF SODA					
2762	G H BOWLES & SON	16.4			103
4810	HUTSON CHEMICAL COMPANY	16.1			101
33 5 AMMONIUM NITRATE					
5201	WARDS SELF SERVICE FEED & SEED	33.4			100
6109	SOUTHERN STATES FRANKFORT COOP	33.7			101
<u>AMERICAN AGRICULTURAL CHEMICAL CO</u>					
0 20 20M					
3532	L F WELLMAN HARDWARE		19.7	19.5*	98*
3555	FARMERS FEED & SUPPLY FARMERS		19.9	19.0*	98*
3965	FARMERS FEED & SUPPLY FARMERS		20.3	19.2*	100
0 20 20M WITH 3 LBS BORAX PER 100 (1)					
1695	LEBANON CARRIAGE & IMPLEMENT COMPANY		19.6	20.4	99
3550	DR E ASBURY		20.1	21.1	102
2 12 6M					
3461	JOHN A SHEEHAN	2.0	12.4	6.9	105
3 9 6S					
3458	JOHN A SHEEHAN	2.8	9.6	6.1	102
3 12 12M					
484	J W DAVIDSON	3.1	12.3	12.3	103
1905	READNOUR FEED & COAL COMPANY	3.0	12.3	12.5	102
2727	WOODSON LEWIS	3.1	12.0	12.5	102
3457	JOHN A SHEEHAN	3.0	12.8	12.0	104
3496	DAVE MCNUTT	2.9	12.6	12.5	103
3531	L F WELLMAN HARDWARE	3.1	12.0	13.2	103
3553	FARMERS FEED & SUPPLY FARMERS	2.9	12.9	12.7	105
3559	SAM LITTON JR	3.2	12.5	12.2	104
3581	AMERICAN AGRI CHEM WHSE LEXINGTON	3.1	12.5	12.4	104
3583	AMERICAN AGRI CHEM WHSE LEXINGTON	3.0	12.6	12.5	104
3603	BEDFORD & TUTTLE	2.9	12.1	12.5	101
3671	JOHNNYS PARKVIEW MARKET	3.1	12.6	12.2	104
3868	J W SETTLE FEED STORE	3.3	12.4	12.6	105
3872	WALTERS & THOMPSON	2.9	12.6	11.9	102
6026	READNOUR FEED & COAL COMPANY	2.9	12.6	12.3	103
6092	LEBANON CARRIAGE & IMPLEMENT COMPANY	3.1	12.1	11.2*	99
6104	J H MCCLURE & SONS	3.1	12.0	12.5	102
4 12 8M					
460	MCDONALD HARDWARE	3.8	12.8	7.5*	101
592	FREEMAN YOUNG FARM SERVICE	4.1	12.3	8.0	102
680	COFFEYS STORE	4.0	12.0	8.1	100
743	BAUGHMAN MILLING COMPANY	3.9	12.5	8.3	102
1705	MAYS HELM & COYLE	3.9	12.2	8.6	102
1996	LEBANON CARRIAGE & IMPLEMENT COMPANY	3.9	12.3	8.1	101
2729	WOODSON LEWIS	4.0	12.5	8.1	103
3446	MILLERSBURG COAL & LUMBER COMPANY	4.2	13.0	8.1	101
3455	JOHN A SHEEHAN	3.9	12.3	8.2	101
3527	L F WELLMAN HARDWARE	4.0	13.0	8.0	105
3651	J H FEDDERS INC	4.2	12.2	8.1	103
6027	READNOUR FEED & COAL COMPANY	4.0	12.2	8.4	102

(1) SEE BORON TABLE - PAGE 70

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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)	
AMERICAN AGRI CHEM CONTINUED					
4 12 8S					
1694	LEBANON CARRIAGE & IMPLEMENT COMPANY	3.9	13.1	8.4 (1)	105
1723	PATTERSON & GUTHRIE	3.9	12.5	8.8	104
3387	BEDFORD & TUTTLE	4.0	12.7	8.1	103
3395	WOODFORD SPEARS & SONS	4.2	12.4	8.7	105
3460	JOHN A SHEEHAN	3.9	12.4	8.0	101
4 16 16M					
3582	AMERICAN AGRI CHEM WHSE LEXINGTON	3.8	16.5	16.9	102
5 10 15S					
459	MCDONALD HARDWARE	4.8	10.6	14.8	101
483	J W DAVIDSON	4.9	10.5	15.0	101
675	E J VANHOOK	4.9	10.3	15.0	101
681	COFFEYS STORE	4.7*	10.6	14.8	100
684	J W DAVIDSON	4.6*	10.6	14.5*	99
1598	MARTIN & RANSDILL	4.7*	11.0	14.5*	101
1659	WALTERS & THOMPSON	4.9	10.1	15.5	101
1706	MAYS HELM & COYLE	5.0	10.6	16.2	105
1707	MAYS HELM & COYLE	4.9	10.3	15.0	101
1724	PATTERSON & GUTHRIE	4.8	10.6	14.8	101
1744	MCCAULEY BROTHERS SEED COMPANY	4.9	10.4	15.0	101
1906	READNOUR FEED & COAL COMPANY	4.9	10.0	15.0	99
1914	HOWARD MILLER	4.7*	10.4	14.1*	98*
2769	WOODSON LEWIS	4.9	10.5	15.5	102
3389	BEDFORD & TUTTLE	5.0	10.3	16.0	103
3391	WOODFORD SPEARS & SONS	5.1	10.6	16.1	105
3392	WOODFORD SPEARS & SONS	5.0	10.2	15.2	101
3418	BEDFORD & TUTTLE	4.8	10.8	14.9 (2)	102
3443	MILLERSBURG COAL & LUMBER COMPANY	4.9	10.5	15.1	102
3444	MILLERSBURG COAL & LUMBER COMPANY	4.9	11.3	15.0	105
3456	JOHN A SHEEHAN	4.9	10.8	15.6	104
3495	DAVE MCNUIT	4.9	10.2	15.6	101
3669	ROBERTS BROTHERS	4.7*	10.5	14.8	100
3734	DUNCANS FARM SERVICE	5.0	10.7	15.3	103
6028	READNOUR FEED & COAL COMPANY	4.7*	10.5	14.5*	99
6094	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.7*	10.1	15.0	99
6103	J H MCCLURE & SONS	4.9	10.0	15.5	100
6141	WALTERS & THOMPSON	5.1	10.5	15.3	103
6 6 18S					
1743	MCCAULEY BROTHERS SEED COMPANY	5.9	7.1	17.9	104
1846	J W SETTLE FEED STORE	6.0	6.5	19.0	104
3393	WOODFORD SPEARS & SONS	5.8	7.3	17.2*	103
3442	MILLERSBURG COAL & LUMBER COMPANY	5.7*	7.3	17.6*	103
3529	L F WELLMAN HARDWARE	5.8	7.3	17.9	104
3851	MCCAULEY BROTHERS SEED COMPANY	6.1	6.4	18.1	103
6 8 6S					
485	J W DAVIDSON	4.9*	10.1	6.2 (3)	103
843	WOODSON LEWIS	6.2	8.4	6.3	104
1848	J W SETTLE FEED STORE	6.1	8.6	6.1	104
3388	BEDFORD & TUTTLE	5.6*	8.5	6.5	101
3394	WOODFORD SPEARS & SONS	5.5*	8.6	6.6	101
3459	JOHN A SHEEHAN	5.5*	8.9	6.7	103
3584	AMERICAN AGRI CHEM WHSE LEXINGTON	5.9	9.1	6.2	105
3673	JOHNNYS PARKVIEW MARKET	6.2	8.7	6.2	106
6093	LEBANON CARRIAGE & IMPLEMENT COMPANY	6.0	8.6	5.8	103
6110	J W SETTLE FEED STORE	5.9	8.0	6.1	100
6 10 4M					
3654	J H FEDDERS INC	5.9	10.4	4.3	102
6 12 12M					
461	MCDONALD HARDWARE	6.0	12.2	12.4	101
676	E J VANHOOK	5.9	12.0	12.2	100
693	CHRISTOPHER FARMERS SUPPLY COMPANY	5.8	12.4	12.0	100
1722	PATTERSON & GUTHRIE	5.8	12.6	12.2	101
3390	WOODFORD SPEARS & SONS	5.9	12.5	12.1	101
3530	L F WELLMAN HARDWARE	6.2	12.1	12.8	103
3580	AMERICAN AGRI CHEM WHSE LEXINGTON	6.0	12.6	12.2	103
3670	ROBERTS BROTHERS	5.7*	13.1	11.0*	101

(1) EXCESS MURIATE EQUIVALENT TO 0.5%

(2) EXCESS MURIATE EQUIVALENT TO 0.4%

(3) EXCESS MURIATE EQUIVALENT TO 0.8%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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 AGRI CHEM CONTINUED</u>					
3653	10 6 4M J, H FEDDERS INC	9.9	6.5	4.1	103
1742	10 10 10M MCCAULEY BROTHERS SEED COMPANY	9.7*	10.9	10.2	102
1847	J W SETTLE FEED STORE	10.0	10.2	10.5	102
2728	WOODSON LEWIS	10.1	11.0	10.2	104
3447	MILLERSBURG COAL & LUMBER COMPANY	9.9	10.9	10.2	103
3528	L F WELLMAN HARDWARE	10.0	10.7	10.2	103
3554	FARMERS FEED & SUPPLY FARMERS	10.0	10.7	10.7	104
3579	AMERICAN AGRI CHEM WHSE LEXINGTON	10.1	10.4	10.1	102
3668	ROBERTS BROTHERS	9.4*	11.9	9.3*	102
9012	L F WELLMAN HARDWARE	9.5*	10.5	10.1	99
<u>18 SUPERPHOSPHATE</u>					
844	WOODSON LEWIS		18.2		101
1696	LEBANON CARRIAGE & IMPLEMENT COMPANY		18.3		102
3578	AMERICAN AGRI CHEM WHSE LEXINGTON		18.2		101
3672	JOHNNYS PARKVIEW MARKET		18.8		104
<u>50 SULFATE OF POTASH</u>					
3585	AMERICAN AGRI CHEM WHSE LEXINGTON			51.0	102
<u>60 MURIATE OF POTASH</u>					
3577	AMERICAN AGRI CHEM WHSE LEXINGTON			60.0	100
<u>AMERICAN CYANAMID COMPANY</u>					
4702	21 CALCIUM CYANAMID HARRALSON SEED COMPANY	21.4			102
<u>33 5 AMMONIUM NITRATE</u>					
1666	MOLLIE GRAVES	33.8			101
2748	B A THARP	33.9			102
3445	MILLERSBURG COAL & LUMBER COMPANY	33.8			101
3735	SOUTHERN STATES GEORGETOWN COOP	33.6			100
4700	HARRALSON SEED COMPANY	33.6			100
<u>ARMOUR FERTILIZER WORKS</u>					
2950	0 14 7M W C ALDRIDGE GROCERY		14.1	8.1	104
<u>0 20 20M</u>					
378	JOHN ADAMS		20.2	19.9	101
418	W C BLAIR		19.0*	18.4*	94*
584	DENNIS CORNETT		19.6	20.0	99
705	W C BLAIR		19.9	19.6	99
801	BIG FOUR FEED & IMPLEMENT COMPANY		20.0	20.2	100
816	GLASGOW TRADING CENTER		20.0	19.6	99
949	HARDIN COUNTY MILLING COMPANY		20.1	20.1	101
1601	TRIMBLE COUNTY FARM BUREAU		20.3	19.8	101
1625	IRA BEST		19.6	20.4	99
1684	JEWELL & HAYDON HARDWARE		20.0	19.9	100
1773	SMITH CARRICO		18.5*	19.6*	94*
1977	T F KEENE & SONS		20.8	19.0*	101
2989	FARMERS MILL & SUPPLY CO BROWNSVILLE		19.7	19.5*	98*
3498	J F BERTRAM & SON		19.1*	21.2	99
3522	LOUISA SUPPLY COMPANY		19.6	20.4	99
3617	BRENT & COMPANY		19.7	20.0	99
3638	W C DICKENS		20.0	19.5*	99
3825	HENSLEY & SON		19.4*	20.5	99
4898	HUNT BROTHERS		18.1*	17.6*	90*
5039	KUTTAWA MILLING COMPANY		18.6*	20.0	95*
5042	BIRMINGHAM MILLING COMPANY		15.8*	14.5*	77*
5091	WALLACES HARDWARE		17.5*	17.2*	87*
5186	HAL SMITH		18.5*	17.4*	91*
8080	PEOPLES FARM SUPPLY		19.3*	19.2*	96*

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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 (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
ARMOUR FERTILIZER WORKS CONTINUED					
1978	0 20 20M WITH 5 LBS BORAX PER 100 (1) T F KEENE & SONS		20.3	16.9*	96*
3661	0 25 25M BI COUNTY FARM BUREAU COOPERATIVE		23.6*	25.5	97*
9013	BI COUNTY FARM BUREAU COOPERATIVE		23.3*	25.2	96*
2760	2 12 6M GLASGOW TRADING CENTER	2.3	12.1	6.8	105
2972	N T NUCKOLS	2.3	11.9	6.1	102
8040	CAVE CITY COAL & ICE COMPANY	2.0	11.9	6.3	100
379	3 9 6M JOHN ADAMS	3.4	9.5	7.5	111
441	GIBSON PRODUCE COMPANY	3.0	8.6*	6.3	98*
521	JOE LOVETT	2.9	9.4	6.7	104
523	JELLICO GROCERY	3.3	9.2	6.6	106
528	WILDERS STORE	3.5	10.2	7.5	116
530	TRI STATE WHOLESALE	3.2	9.4	6.7	106
635	COOKS GROCERY & FEED	3.2	9.7	6.7	108
671	HACKNEY HARLAN COMPANY	3.6	9.2	6.5	108
673	MARTIN WHOLESALE GROCERY	2.9	9.2	6.0	100
961	CARL HAGMAN	2.8	9.1	6.4	100
1942	FARM EQUIPMENT COMPANY BEDFORD	2.8	8.7*	6.1	97*
1965	SMITH & JACKSON	3.1	9.4	6.7	105
3465	FRANK L HINTON & SON	4.7	12.3	9.8	147
3516	VIRGIL STALLARD	3.3	9.4	7.0	108
3524	LOUISA SUPPLY COMPANY	3.4	9.6	7.0	110
5040	KUTTAWA MILLING COMPANY	3.1	8.4*	7.1	101
5189	LAWN & GARDEN CENTER	3.0	9.4	6.4	104
7002	FARMERS SUPPLY COMPANY WILMORE	3.0	8.5*	6.8	99
8057	NEWMAN BLACKWELL	3.1	9.9	7.6	111
5157	3 9 18M A C BUTTS & SON	3.3	9.4	14.7*	96*
8217	3 9 18S NEWMAN BLACKWELL	3.9	9.9	15.4*(2)	104
409	3 12 6M MACK EMERSON STORE	3.1	12.4	6.1	103
419	W C BLAIR	3.4	11.7	6.5	103
438	GIBSON PRODUCE	3.1	12.4	6.7	105
476	B C NORRIS	3.3	12.4	7.6	108
508	C E HERRIN	3.0	12.5	6.0	103
527	WILDERS STORE	3.2	12.2	6.8	113
620	C F MULLINS	3.1	11.9	6.4	101
634	COOKS GROCERY & FEED	2.9	11.2*	6.4	96*
636	ANDERSONS GROCERY	3.1	12.0	6.6	102
661	TRI STATE WHOLESALE	3.1	11.9	6.3	101
688	ROBINSON MILLING COMPANY	3.1	11.3*	7.5	101
914	EARL FROEDGE	3.0	11.9	6.0	99
1784	HARRY D ELLIOTT	3.0	12.0	6.8	102
1918	JACOBS COAL & TRANSFER COMPANY	3.1	13.4	6.8	110
1940	FARM EQUIPMENT COMPANY BEDFORD	3.1	12.3	6.1	103
2757	GLASGOW TRADING CENTER	3.1	12.4	6.9	105
2969	N T NUCKOLS	3.2	11.9	6.2	102
3462	FRANK L HINTON & SON	3.0	11.9	6.6	101
3512	C A RABOURN & SONS	3.3	12.5	7.5	109
3616	BRENT & COMPANY	3.3	11.9	6.7	104
3646	KELLER HAY & GRAIN COMPANY	3.0	11.2*	6.3	97*
3699	EWEN & PALMER	3.0	11.7	6.2	99
3788	GOODLOE MAYS	3.1	11.4*	6.5	99
3838	FARMERS SUPPLY COMPANY EMINENCE	2.9	12.1	6.1	100
3992	C A RABOURN & SONS	3.3	12.4	7.5	108
4910	AUSENBAUGH HATCHERY	3.4	11.9	6.2	103
4986	SALEM FEED & SEED COMPANY	3.3	12.1	6.3	104
5092	WALLACES HARDWARE	3.1	12.1	6.4	102
5172	BURNA FEED COMPANY	3.1	11.9	6.6	102
5202	FELTY PRODUCE COMPANY	2.9	11.9	6.8	101
6143	FARMERS SUPPLY COMPANY EMINENCE	3.0	11.9	6.5	101
8083	PEOPLES FARM SUPPLY	3.1	11.9	6.8	102

(1) SEE BORON TABLE - PAGE 70

(2) EXCESS MURIATE EQUIVALENT TO 1.3%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>					
3 12 12M					
410	MACK EMERSON STORE	3.1	11.9	12.2	101
416	W C BLAIR	3.0	11.9	11.6*	99
474	B C NORRIS	3.5	11.7	12.0	100
482	JASPER PRODUCE	3.1	11.8	12.1	100
815	GLASGOW TRADING CENTER	3.1	12.0	11.1*	99
956	ALLEN COAL SERVICE	3.0	12.1	12.2	101
1611	PRENTISS MARTIN	3.3	12.1	12.0	102
1661	T G SMITHER	3.0	11.9	12.2	100
1778	SKELTONS GENERAL STORE	3.2	12.5	12.2	104
1860	LAMAR YANCEY	2.9	11.9	12.5	100
1926	WALTER BURK	3.4	11.7	12.0	104
1931	NORTH PLEASUREVILLE FARM SUPPLY	2.9	12.4	12.0	101
2734	JAMES W SHARP	3.0	12.0	12.0	100
2809	IDEAL HARDWARE	3.3	12.0	12.0	102
2823	TRUMAN HOLLINSWORTH & COMPANY	3.3	11.9	12.4	102
2897	SHIPP & HEDGEPTH	2.9	12.3	12.6	102
3397	BRENT & COMPANY	3.2	12.1	12.6	103
3467	FRANK L HINTON & SON	3.3	12.0	12.7	104
3474	J C EVERETT COMPANY INC	3.1	12.1	12.1	101
3644	KELLER HAY & GRAIN COMPANY	3.5	11.9	12.0	103
3662	SAM RYLE	3.4	12.5	12.5	106
3769	HENDERSON & HARDY COMPANY	3.2	12.3	11.9	102
4674	HENDERSON FEED & COMMISSION COMPANY	3.1	12.0	12.4	102
4970	M F BRYANT & SONS MILLING COMPANY	3.2	11.8	11.9	100
5190	LAWN & GARDEN CENTER	2.8	11.8	11.7	97*
6014	PRENTISS MARTIN	3.1	11.7	13.7	103
8038	CAVE CITY COAL & ICE COMPANY	3.4	11.9	12.0	102
8207	LILLY BROTHERS SEED COMPANY	2.9	11.9	11.9	99
3 12 12M PESTICIDE					
585	FARMERS SUPPLY COMPANY WHITESBURG (1)	3.3	11.7	12.1	101
8198	CANEYVILLE ROLLER MILLS (2)	3.1	12.0	12.0	101
4 8 12S					
1699	SPRINGFIELD FEED & GRAIN COMPANY	3.7*	8.8	12.4 (3)	103
4 12 4M					
3876	BROOKS SERVICE STATION	3.2*	11.3*	9.2	104
4 12 8M					
406	LLOYD KING	4.1	12.3	8.2	103
411	MACK EMERSON STORE	3.8	11.9	7.8	98*
420	W C BLAIR	3.8	11.9	8.8	100
439	GIBSON PRODUCE	3.9	12.2	8.1	100
470	COPEYS STORE	4.3	12.0	8.9	104
480	JASPER PRODUCE	4.1	12.1	8.6	103
525	STEWARTS SUPER MARKET	3.8	12.0	8.7	100
533	G C CORNETTE	3.9	12.3	8.3	101
622	C F MULLINS	4.1	12.2	8.1	102
637	ANDERSONS GROCERY	4.1	12.3	8.6	103
769	HUDSON FEED MILL	4.0	11.9	8.1	100
853	FARMERS SUPPLY COMPANY HODGENVILLE	4.1	12.0	8.3	101
894	SEWELL & COMPANY	4.1	11.3*	8.1	98*
913	EARL FROEDGE	3.8	12.0	8.1	99
933	M G PRUITT IMPLEMENT COMPANY	4.0	12.4	7.9	102
948	PEOPLES SUPPLY COMPANY	3.9	12.3	8.0	101
962	CARL HAGMAN	3.8	12.1	8.0	99
973	STEWART & COMPANY	3.8	12.0	8.1	99
1615	PRENTISS MARTIN	4.1	12.2	9.0	104
1941	FARM EQUIPMENT COMPANY BEDFORD	3.8	12.1	8.3	100
2690	SHIPPS SEED HOUSE	3.9	11.9	8.4	100
2723	N T NUCKOLS	4.0	12.7	8.0	103
2761	GLASGOW TRADING CENTER	4.0	12.0	8.9	102
2811	IDEAL HARDWARE	4.0	12.0	8.6	101
2822	TRUMAN HOLLINSWORTH & COMPANY	4.0	12.2	8.2	101
2870	PEOPLES FARM SUPPLY COMPANY	4.1	11.5*	8.3	99
2898	SHIPP & HEDGEPTH	4.2	12.1	8.1	102
2903	PAUL CARTER	4.2	12.5	8.5	105
2910	G M HAYCRAFT & SON	4.0	12.1	8.1	101
2949	W C ALDRIDGE GROCERY	4.0	11.9	8.1	100
2970	N T NUCKOLS	3.9	11.7	8.0	98*
2986	AYRES SEED & FERTILIZER	3.8	12.3	8.0	100
2988	FARMERS MILL & SUPPLY CO BROWNSVILLE	4.0	12.2	8.1	101
3449	BRADLEYS GROCERY	4.0	12.4	8.6	103
3453	PENDLETON COUNTY MILLS	4.0	12.5	8.4	103

(1) ALDRIN GUARANTEED 0.50%-----FOUND 0.39%

(2) ALDRIN GUARANTEED 0.50%-----FOUND 0.48%

(3) EXCESS MURIATE EQUIVALENT TO 0.5%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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)	
ARMOUR FERTILIZER WORKS CONTINUED					
4 12 8M CONTINUED					
3472	J C EVERETT COMPANY INC	4.1	11.9	8.7	102
3514	VIRGIL STALLARD	3.9	12.4	8.1	101
3639	M C DICKENS	4.1	11.9	8.3	101
3640	JOE BEZOLD	4.3	11.9	8.7	103
3830	ANDERSON & SPILLMAN	4.2	12.2	8.2	103
3839	WATKINS BROTHERS	4.2	12.3	8.4	104
3844	JOE BUSH FARM SUPPLY	4.1	12.2	8.4	103
4770	GALLOWAY SEED COMPANY	3.9	11.7	8.0	98*
4813	ROSS FEED COMPANY	4.0	11.9	8.4	100
4899	HUNT BROTHERS	4.0	12.5	7.8	102
5055	V G SMITH	4.3	11.5*	8.2	100
5203	FELTY PRODUCE COMPANY	3.9	12.0	8.0	99
6015	PRENTISS MARTIN	4.0	11.9	9.0	102
6040	NORTH PLEASUREVILLE FARM SUPPLY	4.0	12.2	8.6	102
6083	HENDERSON & HARDY COMPANY	3.9	12.0	8.2	100
7001	FARMERS SUPPLY STORE WILMORE	4.1	12.0	8.9	103
8022	FORBES HARDWARE COMPANY	4.0	11.7	8.1	99
8082	PEOPLES FARM SUPPLY	3.9	12.0	8.8	101
8108	ADAIR MILLING COMPANY	4.5	12.2	8.6	106
8172	K E PRUITT STORE	4.0	11.8	8.3	100
4 12 8S					
481	JASPER PRODUCE	4.1	11.5*	8.1	99
1613	PRENTISS MARTIN	4.2	12.2	8.7 (1)	103
1765	COLLINS HARDWARE	4.1	12.0	8.2	101
1919	JACOBS COAL & TRANSFER COMPANY	4.3	13.3	8.1	108
1936	FARMERS SUPPLY COMPANY EMINENCE	4.1	12.4	8.3	103
1963	SMITH & JACKSON	4.4	12.1	8.1	103
3862	JACOBS COAL & TRANSFER COMPANY	4.1	12.4	8.3	103
6036	SIM SMITH	4.3	12.4	8.7	105
4 16 16M					
506	C E HERRIN	4.1	15.5*	15.8	99
1787	GEORGE FRENCH JR	4.1	16.8	16.1	103
4771	GALLOWAY SEED COMPANY	4.0	15.1*	15.7	97*
8194	G M HAYCRAFT & SON	4.0	15.7	16.3	100
8232	UPTON SWEET FEED MILL	3.9	15.5*	16.4	99
4 16 16M PESTICIDE					
909	METCALFE COUNTY FARMERS SUPPLY (2)	4.2	15.8	15.9	100
4 24 12M					
813	GLASGOW TRADING CENTER	4.3	24.5	12.1	103
2810	IDEAL HARDWARE	4.1	23.7	12.0	100
5 10 5M					
412	MACK EMERSON STORE	4.5*	9.8	6.7	100
1725	FRED BENNETT	5.1	10.8	5.5	106
1755	FARM EQUIPMENT COMPANY BEDFORD	4.9	10.5	5.5	103
1779	SKELTONS GENERAL STORE	4.8	10.6	5.7	103
2948	SKIDMORE HARDWARE COMPANY	4.8	10.3	5.5	101
2955	LANDERS HARDWARE COMPANY	4.5*	10.1	5.4	98*
3396	BRENT & COMPANY	5.3	10.6	6.3	109
3452	PENDLETON COUNTY MILLS	4.9	10.3	5.8	103
3490	BUTLER LUMBER - COAL COMPANY	5.1	10.2	5.8	104
3497	J F BERTRAM & SON	5.1	10.9	5.4	106
3519	C R KISER & SON	5.3	10.3	6.2	107
3543	J T LAWSON HARDWARE COMPANY	5.1	9.9	6.0	103
3666	SAM RYLE	5.3	10.6	5.7	107
4779	GALLOWAY SEED COMPANY	4.5*	10.2	6.0	100
4828	THURMONDS MILL	4.5*	9.9	5.2	96*
4987	SALEM FEED & SEED COMPANY	4.8	10.0	5.5	100
5 10 5S					
2813	IDEAL HARDWARE	4.7*	9.7	8.7 (3)	106
5 10 10M					
417	W C BLAIR	4.8	10.6	10.7	103
500	WILLOUGHBY SUPPLY COMPANY	4.8	10.2	10.5	101
529	WILDERS STORE	5.2	10.7	10.2	105
532	C C CORNETTE	4.8	10.4	10.4	101
542	HACKNEY HARLAN COMPANY	4.9	10.2	10.3	101
570	CHRISTOPHER FARMERS SUPPLY COMPANY	9.8	10.1	10.2	133

(1) EXCESS MURIATE EQUIVALENT TO 0.9%

(2) ALDRIN GUARANTEED 0.50%----FOUND 0.52%

(3) EXCESS MURIATE EQUIVALENT TO 3.7%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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)	
ARMOUR FERTILIZER WORKS CONTINUED					
5 10 10M CONTINUED					
580	CORNETTS MARKET	5.0	10.0	10.1	100
642	GRANT REED	4.7*	10.4	10.1	100
672	HACKNEY HARLAN COMPANY	4.9	10.4	10.0	101
932	M G FRUIT IMPLEMENT COMPANY	4.9	10.3	9.9	100
955	ALLEN COAL SERVICE	5.0	9.9	9.9	99
972	STEWART & COMPANY	4.8	10.4	10.0	100
1831	HENDERSON & HARDY COMPANY	5.1	10.6	10.7	105
1917	JACOBS COAL & TRANSFER COMPANY	4.9	10.6	9.7	101
1955	ELBERT ROSE	5.0	10.2	9.6*	100
2868	PEOPLES FARM SUPPLY COMPANY	5.1	10.2	10.2	102
3454	PENDLETON COUNTY MILLS	4.7*	10.5	10.1	100
3463	FRANK L HINTON & SON	5.1	10.5	11.3	106
3469	J C EVERETT COMPANY INC	4.9	10.2	10.6	102
3511	C A RABOURN & SONS	4.9	10.0	10.6	101
3642	KELLER HAY & GRAIN COMPANY	4.9	10.4	10.2	102
4676	HENDERSON FEED & COMMISSION COMPANY	4.8	10.6	10.0	101
4911	AUSENBAUGH HATCHERY	4.9	10.0	10.0	99
4971	M F BRYANT & SONS MILLING COMPANY	4.9	9.9	10.2	99
5044	GORES STORE	4.7*	10.1	9.6*	98*
5138	KUTTAHA MILLING COMPANY	4.9	10.1	10.2	100
7011	ANDERSON GROCERY	4.9	11.4	10.8	107
8078	PEOPLES FARM SUPPLY	4.9	9.9	10.2	99
8201	CANEYVILLE ROLLER MILLS	4.8	10.0	10.4	100
5 10 10S					
421	W C BLAIR	4.8	10.5	9.9	101
440	GIBSON PRODUCE	5.1	10.6	10.5 (1)	104
4994	HAMILTONS FEED MILL	4.8	10.5	10.6	102
5158	A C BUTTS & SON	4.1*	10.3	10.2	96*
5191	LAWN & GARDEN CENTER	5.3	10.8	11.4 (2)	109
5 10 15S					
359	WILLOUGHBY SUPPLY COMPANY	5.0	10.2	15.4	102
407	LLOYD KING	5.9	10.3	15.1	107
408	F B MARKSBURY	4.9	10.2	15.1	100
472	COFFEYS STORE	5.0	10.2	15.4	102
475	B C NORRIS	4.9	10.5	15.0	101
507	C E HERRIN	4.8	10.0	15.0	99
722	GIBSON PRODUCE	4.9	10.2	14.9	100
768	HUDSON FEED MILL	4.5*	10.5	15.2	99
879	ADAIR MILLING COMPANY	5.0	10.2	14.9	101
887	U L ROGERS & SON	5.1	10.0	15.0	101
893	SEWELL & COMPANY	5.0	10.0	15.2	100
960	CARL HAGMAN	4.9	10.0	15.6	101
974	STEWART & COMPANY	4.5*	11.5	13.9*	101
1600	RALPH BERRY	4.5*	10.8	15.1	100
1609	HENRY NORTHCUTT	4.9	10.1	15.1	100
1663	T G SMITHER	4.7*	10.6	15.7	102
1669	EUGENE WISE	4.9	9.9	16.5	102
1672	R E HILLS	4.9	10.2	15.0	100
1712	ANDERSON & SPILLMAN FEED MILL	4.9	10.1	14.2*	98*
1757	WILLIAM G WILLIS	4.9	10.4	15.0	101
1766	COLLINS HARDWARE	5.1	10.0	15.0	101
1786	GEORGE FRENCH JR	4.8	10.2	15.6	101
1829	HENDERSON & HARDY COMPANY	4.6*	12.4	15.0	107
1859	LAMAR YANCEY	4.8	10.1	15.4	100
1902	HULETTES HARDWARE	4.9	11.2	15.3	105
1924	J A BENNETT HARDWARE	4.9	10.9	15.0	103
1925	SKELTONS GENERAL STORE	5.0	10.0	14.9	100
2759	GLASGOW TRADING CENTER	4.7*	11.1	15.2	103
2807	IDEAL HARDWARE	4.7*	10.8	15.0	101
2940	UPTON SWEET FEED MILL	4.9	10.5	15.3 (3)	102
3400	BRENT & COMPANY	5.1	10.0	15.6	102
3409	SPHAR & COMPANY	4.9	10.3	15.7	102
3451	BRADLEYS GROCERY	5.0	10.4	15.2	102
3475	J C EVERETT COMPANY INC	4.9	10.1	15.4	101
3643	KELLER HAY & GRAIN COMPANY	5.1	9.9	14.7	100
3665	SAM RYLE	5.0	10.4	15.0	102
3764	BUPFORD MALCOMB	4.8	10.4	15.0	100
3790	GOODLOE MAYS	4.9	10.1	15.0	100
4678	HENDERSON FEED & COMMISSION COMPANY	4.9	10.6	14.4*(4)	101
4773	GALLOWAY SEED COMPANY	4.9	10.4	14.8	101
4814	ROSS FEED COMPANY	4.7*	10.3	15.1	100
6035	SMOOT & THOMAS	4.7*	10.8	15.8	103

(1) EXCESS MURIATE EQUIVALENT TO 0.7%

(2) EXCESS MURIATE EQUIVALENT TO 1.9%

(3) EXCESS MURIATE EQUIVALENT TO 0.6%

(4) EXCESS MURIATE EQUIVALENT TO 0.3%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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)	
ARMOUR FERTILIZER WORKS CONTINUED					
5 10 15S CONTINUED					
6142	FARMERS SUPPLY COMPANY EMINENCE	5.0	11.0	14.1*	102
8020	FORBES HARDWARE COMPANY	4.9	10.6	14.8	101
8039	CAVE CITY COAL & ICE COMPANY	4.7*	10.3	15.1	100
8056	NEWMAN BLACKWELL	4.9	10.4	15.0	101
8081	PEOPLES FARM SUPPLY	4.7*	11.0	15.0	102
8089	EARL FROEDGE	4.7*	10.6	15.2	101
8106	ADAIR MILLING COMPANY	4.7*	10.0	15.5	100
8159	AYERS SEED & FERTILIZER	4.6*	10.5	13.9*	97*
8171	K E PRUITT STORE	2.3*	9.0*	16.0 (1)	82*
8199	CANEYVILLE ROLLER MILLS	5.0	10.6	15.1	103
8220	H K JONES	4.4*	10.3	15.2 (2)	98*
8241	TRUMAN HOLLINSWORTH COMPANY	4.0*	10.9	12.7*	93*
5 10 15S PESTICIDE					
923	LILLY BROTHERS SEED COMPANY (3)	4.6*	10.4	15.0	99
5 10 20S					
3977	J C EVERETT COMPANY	5.0	9.9	17.8*	96*
5 20 20M					
603	HCHORTER PRODUCE COMPANY	4.8	19.9	19.0*	98*
814	GLASGOW TRADING CENTER	4.9	20.3	20.4	101
852	FARMERS SUPPLY COMPANY HODGENVILLE	5.0	19.6	20.4	99
910	THOMERSON MILLING COMPANY	5.1	19.3*	19.8	98*
1962	JOE BUSH FARM SUPPLY	5.1	21.2	17.4*	100
2812	IDEAL HARDWARE	4.9	19.7	20.7	100
3510	C A RABOURN & SONS	4.9	20.1	19.9	100
3663	SAM RYLE	4.9	20.2	20.1	100
3824	HENSLEY & SON	5.0	19.1*	20.1	98*
4972	M F BRYANT & SONS MILLING COMPANY	4.6*	20.3	20.1	99
6 6 18S					
499	WILLOUGHBY SUPPLY COMPANY	5.8	6.9	16.8*	100
1745	FARMERS UNION SUPPLY VERSAILLES	5.6*	6.6	16.9*	98*
3399	BRENT & COMPANY	5.9	6.4	18.0	101
3410	SPHAR & COMPANY	5.9	6.5	18.1	102
3789	GOODLOE HAYS	5.9	6.6	17.9	102
3852	FARMERS UNION SUPPLY VERSAILLES	6.2	6.4	17.6*	102
3972	CARLISLE MILL & SUPPLY COMPANY	6.2	6.3	18.0	103
6 6 18S PESTICIDE					
3750	DORSEY WILSON (4)	5.8	6.7	17.5*	101
6 8 6M					
4677	HENDERSON FEED & COMMISSION COMPANY	5.7*	8.5	6.2	101
4900	HUNT BROTHERS	6.0	8.6	6.7	105
4973	M F BRYANT & SONS MILLING COMPANY	5.9	8.0	6.1	100
5139	KU-TAWA MILLING COMPANY	5.5*	9.1	6.3	103
8058	NEWMAN BLACKWELL	5.9	8.0	6.8	101
6 8 6S					
473	B C NORRIS	5.7*	8.8	7.2	105
660	TRI STATE WHOLESALE	6.2	8.0	6.1	102
723	GIBSON PRODUCE	5.9	8.1	6.5 (5)	101
912	EARL FROEDGE	5.7*	8.0	6.3	99
954	ALLEN COAL SERVICE	6.0	8.0	6.2	101
1610	HENRY NORTHCUTT	6.0	8.3	6.0	104
1662	T G SMITHER	5.7*	8.5	6.4	101
1668	VERTNER DE MOSS	5.7*	9.3	6.6	106
1903	HULETTES HARDWARE	5.9	8.0	6.8	101
1964	SMITH & JACKSON	5.8	9.3	6.3	106
2808	IDEAL HARDWARE	5.8	11.2	6.5	116
2824	TRUMAN HOLLINSWORTH & COMPANY	5.9	8.8	6.5	105
2904	PAUL CARTER	5.6*	9.0	6.6	104
3398	BRENT & COMPANY	6.0	8.1	6.2	101
3464	FRANK L HINTON & SON	5.9	8.2	6.4	101
3471	J C EVERETT COMPANY INC	6.0	8.1	6.3	101
3649	CINCINNATI GRAIN & HAY COMPANY	5.8	8.7	6.7	104
5072	LOVELACEVILLE FEED MILL	6.0	7.9	6.9 (6)	102
5166	CADIZ HARDWARE COMPANY	6.0	8.2	7.1 (7)	104
5192	LAWN & GARDEN CENTER	5.9	7.9	6.2	99
6020	HULETTE HARDWARE COMPANY	6.0	8.4	6.4	103
6082	HENDERSON & HARDY COMPANY	5.7*	8.2	7.3	102
8019	FORBES HARDWARE COMPANY	5.9	8.4	6.1 (8)	102

(1) ALL POTASH FROM MURIATE

(2) EXCESS MURIATE EQUIVALENT TO 0.4%

(3) ALDRIN GUARANTEED 0.15%-----FOUND 0.31%

(4) ALDRIN GUARANTEED 0.15%-----FOUND 0.30%

(5) EXCESS MURIATE EQUIVALENT TO 0.5%

(6) EXCESS MURIATE EQUIVALENT TO 2.6%

(7) EXCESS MURIATE EQUIVALENT TO 0.4%

(8) EXCESS MURIATE EQUIVALENT TO 0.6%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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)	
ARMOUR FERTILIZER WORKS CONTINUED					
	6 12 12M				
1788	ROY C HARDESTY	5.8	12.0	12.5	100
1956	HUBERT HACKETT	5.9	11.8	13.1	101
1979	T F KEENE & SONS	5.9	12.1	12.5	101
2725	N T NUCKOLS	6.0	12.6	12.1	102
2838	U L ROGERS & SON	5.9	11.9	12.8	101
2985	AYRES SEED & FERTILIZER	5.8	12.1	12.5	100
3513	VIRGIL STALLARD	6.1	11.9	13.1	102
3521	LOUISA SUPPLY COMPANY	6.0	12.5	11.8	101
3650	CINCINNATI GRAIN & HAY COMPANY	5.9	12.1	11.8	99
3768	HENDERSON & HARDY COMPANY	5.7*	12.9	11.6*	101
3816	HOWARD WHOLESALE COMPANY	6.0	11.9	12.6	101
4815	ROSS FEED COMPANY	6.1	12.5	12.5	103
4901	HUNT BROTHERS	5.7*	12.0	12.0	98*
4933	AUSTIN & AUSTIN SEED COMPANY	5.9	12.0	12.2	100
5065	MILBURN MILL	5.8	12.2	11.5*	99
5068	BARDWELL MILLING COMPANY	6.5	11.0*	12.0	99
6021	HULETTE HARDWARE COMPANY	6.0	12.0	12.6	101
8054	NEWMAN BLACKWELL	5.6*	11.7	12.7	98*
8158	AYERS SEED & FERTILIZER	5.6*	11.9	12.1	98*
9034	EWEN & PALMER	5.8	12.0	12.3	99
	6 12 12S				
621	C F MULLINS	5.8	12.7	11.9	101
789	GLASGOW TRADING CENTER	5.9	12.5	12.0	101
878	ADAIR MILLING COMPANY	5.9	12.1	12.2	100
1685	JEWELL & HAYDEN HARDWARE	5.5*	13.1	12.2	102
1754	FARM EQUIPMENT COMPANY BEDFORD	5.9	12.2	12.4	101
1764	COLLINS HARDWARE	5.9	12.1	12.5	101
1775	SMITH CARRICO	6.0	12.3	12.2	101
1954	ELBERT ROSE	6.1	12.1	12.3	101
2909	G M HAYCRAFT & SON	5.8	12.4	12.5	101
3606	SPHAR & COMPANY	5.9	12.3	12.2	101
3969	H W WHITAKER	5.9	12.4	12.5	102
6101	SPRINGFIELD FEED & GRAIN COMPANY	5.7*	12.3	12.2	100
8107	ADAIR MILLING COMPANY	6.0	12.1	12.8	102
	6 12 18S				
817	GLASGOW TRADING CENTER	5.9	13.6	19.1	107
1612	PRENTISS MARTIN	6.0	12.1	18.5	101
1660	T G SMITHER	5.8	12.9	18.7	103
1675	T F KEENE & SONS	5.6*	11.9	19.0	99
1789	ROY C HARDESTY	6.1	12.0	19.4	103
1915	HOWARD MILLER	5.9	12.3	18.2	101
2691	SHIPPS SEED HOUSE	5.9	13.5	17.0*	103
2869	PEOPLES FARM SUPPLY COMPANY	5.8	11.5*	18.7	99
3466	FRANK L HINTON & SON	6.2	12.5	18.4	103
3520	C R KISER & SON	6.1	11.9	17.6*	100
3615	BRENT & COMPANY	6.1	12.2	18.1	101
3637	W C DICKENS	5.9	12.0	18.5	100
3667	SAM RYLE	5.9	12.2	18.0	100
3733	PRENTISS MARTIN	6.2	12.1	17.9	101
3840	WATKINS BROTHERS	5.9	12.1	18.1	100
4974	M F BRYANT & SONS MILLING COMPANY	5.7*	12.3	17.9	99
5056	V G SMITH	5.7*	12.1	16.7*	97*
5159	A C BUTTS & SON	5.4*	12.7	17.9	99
6016	PRENTISS MARTIN	6.1	11.7	18.6	101
6019	HULETTE HARDWARE COMPANY	5.9	12.5	17.9	101
6089	LORETTO FEED MILL	5.9	12.0	18.4	100
9035	EWEN & PALMER	6.1	12.1	18.7	102
	6 24 12M				
3525	LOUISA SUPPLY COMPANY	5.9	23.5	12.7	99
	8 8 8M				
920	LILLY BROTHERS SEED COMPANY	8.0	8.4	8.1	102
8055	NEWMAN BLACKWELL	7.2*	8.1	8.0	95*
	8 16 16M				
2718	LILLY BROTHERS SEED COMPANY	7.9	15.9	16.5	100
2724	N T NUCKOLS	8.0	15.9	16.8	101
2971	N T NUCKOLS	7.9	16.9	15.5*	101
5043	BIRMINGHAM MILLING COMPANY	7.9	16.5	15.8	101
5073	LOVELACEVILLE FEED MILL	6.4*	13.1*	15.5*	85*

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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)	
ARMOUR FERTILIZER WORKS CONTINUED					
10 6 4M					
2814	IDEAL HARDWARE	9.6*	5.6*	4.6	97*
3645	KELLER HAY & GRAIN COMPANY	8.7*	7.3	5.0	99
3829	ANDERSON & SPILLMAN	9.8	6.7	4.5	103
4780	GALLOWAY SEED COMPANY	9.9	6.8	5.4	106
4829	THURMONDS MILL	10.8	6.4	4.6	108
10 10 10M					
422	W C BLAIR	9.9	11.2	10.0	104
498	WILLOUGHBY SUPPLY COMPANY	9.8	10.8	10.2	102
578	CORNETTS MARKET	10.0	10.1	10.1	101
601	MCWHORTER PRODUCE COMPANY	9.6*	10.6	10.2	120
921	LILLY BROTHERS SEED COMPANY	9.7	11.0	10.2	102
953	ALLEN COAL SERVICE	10.1	9.9	10.0	100
986	SHIPP SEED HOUSE	9.4*	10.6	10.2	99
1614	PRENTISS MARTIN	9.8	10.3	10.1	100
1713	ANDERSON & SPILLMAN FEED MILL	9.6*	10.7	10.5	101
1726	FRED BENNETT	9.6*	10.5	10.3	100
1746	FARMERS UNION SUPPLY VERSAILLES	10.0	10.4	10.7	103
1830	HENDERSON & HARDY COMPANY	10.3	9.9	10.5	102
2871	PEOPLES FARM SUPPLY COMPANY	9.7*	10.7	10.6	102
2984	AYRES SEED & FERTILIZER	9.7	10.8	10.2	102
3450	BRADLEYS GROCERY	9.8	10.6	10.2	101
3473	J C EVERETT COMPANY INC	9.9	10.3	9.9	100
3561	UNION GROCERY COMPANY	10.2	10.3	10.5	103
3641	JOE BEZOLD	9.9	10.6	10.4	102
3664	SAM RYLE	9.6*	10.5	10.2	100
3928	ROBINSON IMPLEMENT & MOTOR COMPANY	9.9	10.3	10.9	102
4675	HENDERSON FEED & COMMISSION COMPANY	9.5*	11.0	10.0	101
4772	GALLOWAY SEED COMPANY	8.9*	11.8	9.8	100
4816	ROSS FEED COMPANY	8.7*	11.0	9.8	97*
4975	M F BRYANT & SONS MILLING COMPANY	9.5*	10.5	10.1	99
5041	BIRMINGHAM MILLING COMPANY	9.4*	11.3	10.0	101
5173	BURNA FEED COMPANY	9.7	10.5	9.8	100
8021	FORBES HARDWARE COMPANY	9.9	10.8	10.0	102
8090	EARL FROEDGE	9.8	10.2	10.6	101
8193	G M HAYCRAFT & SON	9.3*	11.1	10.3	101
10 10 10M PESTICIDE					
922	LILLY BROTHERS SEED COMPANY (1)	8.1*	10.9	10.2	94*
12 12 12M					
579	CORNETTS MARKET	11.8	11.0*	12.2	97*
583	DENNIS CORNETT	11.6*	11.9	12.1	98*
790	GLASGOW TRADING CENTER	11.9	11.7	12.2	99
2717	LILLY BROTHERS SEED COMPANY	11.3*	12.7	12.4	100
2758	GLASGOW TRADING CENTER	12.1	12.5	12.2	102
3517	VIRGIL STALLARD	11.7	13.1	12.4	102
3595	SATTERWHITE FARM SERVICE	11.9	12.0	11.9	99
3815	HOWARD WHOLESALE COMPANY	11.8	12.2	12.5	100
3955	SALYERSVILLE WHOLESALE GROCERY CO	11.6*	12.4	12.5	100
4861	YOPP SEED COMPANY	11.8	12.0	12.6	100
6088	LORETTO FEED MILL	11.7	12.4	11.9	100
8037	CAVE CITY COAL & ICE COMPANY	11.7	13.0	12.2	102
8200	CANEYVILLE ROLLER MILLS	10.8*	12.1	12.0	95*
21 AMMONIUM SULFATE					
4860	YOPP SEED COMPANY	17.2*			82*
20 SUPERPHOSPHATE					
471	COFFEYS STORE		20.2		101
524	STEWARTS SUPER MARKET		19.7		98*
641	GRANT REED		19.1*		95*
706	W C BLAIR		19.3*		97*
1756	FARM EQUIPMENT COMPANY BEDFORD		19.4*		97*
1901	HENRY NORTH CUTT		20.9		105
2911	G M HAYCRAFT & SON		19.2*		96*
3468	FRANK L HINTON & SON		22.0		110
3470	J C EVERETT COMPANY INC		19.5*		98*
3515	VIRGIL STALLARD		20.3		102
3763	ROBERT TAYLOR		19.8		99
3828	ANDERSON & SPILLMAN		19.9		100
4897	HUNT BROTHERS		19.6		98*
5089	WALLACES HARDWARE		20.1		100
5188	LAWN & GARDEN CENTER		20.4		102
8079	PEOPLES FARM SUPPLY		21.3		107

(1) HEPTACHLOR GUARANTEED 0.25%-----FOUND 0.15%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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
ARMOUR FERTILIZER WORKS CONTINUED		(Percent)	(Percent)	(Percent)	
	45 TRIPLE SUPERPHOSPHATE				
602	MCHORTER PRODUCE COMPANY		45.5		101
791	GLASGOW TRADING CENTER		46.3		103
1686	JEWELL & HAYDEN HARDWARE		42.3*		94*
5187	HAL SMITH		43.7*		97*
6046	JEWELL & HAYDEN HARDWARE		45.8		102
	48 SULFATE OF POTASH				
1677	T F KEENE & SONS			49.0	102
1947	RIVERVIEW FARMS DAIRY			50.0	104
3560	UNION GROCERY COMPANY			52.1	108
3843	JOE BUSH FARM SUPPLY			48.0	100
5090	HALLACES HARDWARE			49.6	103
8221	H D JONES			50.0	104
	51 SULFATE OF POTASH				
812	GLASGOW TRADING CENTER			51.5	101
	60 MURIATE OF POTASH				
1676	T F KEENE & SONS			60.2	100
1935	FARMERS SUPPLY COMPANY EMINENCE			57.4*	96*
3614	BRENT & COMPANY			60.0	100
5156	A C BUTTS & SON			61.6	103
	MIXED TO ORDER				
1923	J A BENNETT HARDWARE	4.7	18.3*	19.9	99
ASSOCIATED COOPERATIVES INC					
	14 14 14M				
535	HARLAN FARMERS SUPPLY	13.2*	15.5	15.0	102
2916	SOUTHERN STATES LEITCHFIELD COOP	14.6	16.1	14.6	108
3865	SOUTHERN STATES FRANKFORT COOP	14.1	14.4	14.5	102
3933	PRINCETON FARM SERVICE	14.3	14.1	14.2	102
4817	CALLOWAY CO SOIL IMPROVEMENT ASSN	14.1	15.9	14.2	106
5076	LIVINGSTON COUNTY COOP SOIL IMP ASSN	13.9	14.2	14.4	101
9018	SOUTHERN STATES CAMPBELL COOP	14.0	14.1	14.2	100
	33 5 AMMONIUM NITRATE				
509	TEATER CASSITY	33.5			100
2882	SIMPSON COUNTY SEED COMPANY	33.6			100
3386	SOUTHERN STATES LEXINGTON COOP	33.6			100
4894	SOUTHERN STATES CRITTENDEN COOP	33.4			100
5069	BARDWELL MILLING COMPANY	33.6			100
	61 CALCIUM METAPHOSPHATE				
625	ROCKCASTLE FARM SERVICE		61.0		100
3693	AMBURGEYS FARM SUPPLY		60.6		99
4893	SOUTHERN STATES CRITTENDEN COOP		62.2		102
	62 CALCIUM METAPHOSPHATE				
747	LINCOLN FARM SERVICE		62.6		101
1698	COYLE & COYLE		62.5		101
1950	CARROLL COUNTY FARM BUREAU COOP		63.8		103
3915	T C EDWARDS		62.6		101
5070	BARDWELL MILLING COMPANY		62.5		101
BARTLETT & O BRYAN FERTILIZER CO					
	0 20 20M				
3894	BARTLETT & O BRYAN FERTILIZER CO		19.9	20.9	101
4786	BARTLETT & O BRYAN FERTILIZER CO		19.3*	18.8*	96*
	3 12 12M				
3896	BARTLETT & O BRYAN FERTILIZER CO	3.1	11.7	13.0	102

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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 & O BRYAN FERT CO CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
	4 12 8M				
4787	BARTLETT & O BRYAN FERTILIZER CO	3.7*	14.6	10.2	115
4959	ROBERT PENCE	4.1	11.7	8.4	100
	4 16 16M				
4788	BARTLETT & O BRYAN FERTILIZER CO	4.1	15.1*	16.8	99
4854	R A STOWERS	4.2	15.6*	15.4*	99
	5 10 15S				
964	PAUL BRITE	4.8	11.2	13.7*	101
4790	BARTLETT & O BRYAN FERTILIZER CO	4.9	11.3	15.0 (1)	105
4961	ROBERT PENCE	5.0	10.4	15.0	102
	5 20 20M				
3897	BARTLETT & O BRYAN FERTILIZER CO	4.5*	19.2*	21.1	97*
	6 12 12M				
3898	BARTLETT & O BRYAN FERTILIZER CO	5.3*	12.6	13.4	101
	7 14 7M				
3900	BARTLETT & O BRYAN FERTILIZER CO	7.1	12.6*	7.3	96*
4960	BARTLETT & O BRYAN FERTILIZER CO	5.4*	12.7*	7.6	88*
5038	BARTLETT & O BRYAN FERTILIZER CO	3.2*	5.7*	3.3*	43*
	10 10 10M				
4789	BARTLETT & O BRYAN FERTILIZER CO	9.2*	10.8	10.7	100
4831	W J EMMICK	9.9	10.6	9.7	101
4962	ROBERT PENCE	9.5*	10.3	10.2	99
	12 12 12M				
3899	BARTLETT & O BRYAN FERTILIZER CO	11.7	12.7	11.9	101
	20 SUPERPHOSPHATE				
4853	R A STOWERS		19.7		98*
	46 TRIPLE SUPERPHOSPHATE				
3895	BARTLETT & O BRYAN FERTILIZER CO		45.9		100
<u>BLUEGRASS PLANT FOODS INC</u>					
	0 20 20M WITH 5 LBS BORAX PER 100 (2)				
3430	RICHARD FRYMAN		19.4*	20.0	98*
	2 12 6M				
3974	DORSEY BROTHERS & FISHER	2.1	12.6	6.3	105
	3 9 6M				
514	D B SAYLOR	3.1	9.9	7.5	111
581	MOUNTAIN WHOLESALE GROCERY	2.9	8.7*	6.5	99
3624	EARL KENDALL	3.1	8.7*	6.5	101
3937	SANDY VALLEY GROCERY COMPANY	2.8	9.0	6.1	98*
	3 12 12M				
1710	BLUEGRASS PLANT FOODS DANVILLE	3.1	11.9	12.7	102
3503	STAGGS BROTHERS	3.0	12.0	12.0	100
	4 8 12S				
3625	EARL KENDALL	4.0	8.3	12.0	102
	4 8 16M				
3431	RICHARD FRYMAN	3.7*	7.6*	18.7	102

(1) EXCESS MURIATE EQUIVALENT TO 3.2%

(2) SEE BORON TABLE PAGE 70

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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
BLUEGRASS PLANT FOODS INC CONTINUED					
		(Percent)	(Percent)	(Percent)	
1882	4 12 4M MORGAN & CRENSHAW	4.1	11.6*	4.7	101
494	4 12 8M WALKER SUPPLY COMPANY	4.1	12.4	8.3	103
994	I K MILLER & SON	4.1	11.9	8.2	101
3485	RICHARD FRYMAN	4.0	12.2	8.4	102
3502	STAGGS BROTHERS	4.0	11.8	8.4	100
3674	LLOYD F COOK	4.2	12.4	8.2	104
3675	EARL KENDALL	3.9	12.0	8.1	100
6091	HELM BROTHERS	4.1	11.9	8.2	101
993	4 12 8S I K MILLER & SON	4.0	12.0	8.4	101
3694	AMBURGEYS FARM SUPPLY	4.0	12.3	8.2	102
582	5 10 5M MOUNTAIN WHOLESALE GROCERY	5.2	10.2	6.4	106
3487	5 10 10M RICHARD FRYMAN	4.8	10.2	10.2	100
3833	BLUEGRASS PLANT FOODS DANVILLE	5.0	10.2	10.1	101
3936	SANDY VALLEY GROCERY COMPANY	4.9	10.3	10.2	101
3956	SALYERSVILLE MARKET	5.0	9.9	10.2	100
6076	ICES PRODUCE	5.0	10.1	10.4	101
370	5 10 15S BRADIE TEATER	5.0	10.2	15.6	102
992	I K MILLER & SON	5.3	10.4	14.9	103
1737	GENTRY LEE	5.0	10.4	15.0	102
1767	H R STOUTT	5.2	10.1	15.4	102
1879	CLIFFORD E SMITH	5.0	10.4	15.0	102
3434	RICHARD FRYMAN	5.0	10.1	15.5	101
3489	RICHARD FRYMAN	4.9	10.4	14.9	101
3501	STAGGS BROTHERS	4.9	10.7	15.0	102
3656	BI COUNTY FARM BUREAU COOPERATIVE	4.7*	10.5	15.0	100
3795	CHARLES KELLER	5.2	10.8	15.3	105
3842	STEWART WAITS	4.9	10.3	15.0	101
6090	HELM BROTHERS	5.0	10.1	15.3	101
7010	WALKER SUPPLY COMPANY	5.0	10.3	14.9	101
3492	5 15 0M HENRY ROUTH	4.7*	14.9		98*
6024	5 20 20M O L MITTS	5.0	19.9	21.0	101
1835	6 6 18M KENTUCKY STATE REFORMATORY	6.1	6.4	17.2*	101
1836	CENTRAL STATE HOSPITAL	6.0	6.4	18.0	102
1840	KENTUCKY CHILDRENS HOME	6.2	6.7	18.1	104
1843	KENTUCKY TRAINING HOME	6.0	6.9	18.0	104
2959	WEST KENTUCKY STATE HOSPITAL	6.4	6.6	17.7	104
3796	KENTUCKY STATE HOSPITAL	6.2	6.3	17.7	102
3831	KENTUCKY SCHOOL FOR DEAF	6.0	6.4	17.8	101
4802	KENTUCKY STATE PENITENTIARY	5.9	6.6	17.4*	101
4856	KENTUCKY VILLAGE	6.2	6.6	17.8	103
3432	6 6 18S RICHARD FRYMAN	5.9	6.6	18.5	103
3484	RICHARD FRYMAN	5.9	6.8	18.4	104
3596	JULIUS & CARL FISTER	6.0	6.2	18.1	101
3611	SPEARS KISER COMPANY	5.9	6.1	18.1	100
495	6 8 6M WALKER SUPPLY COMPANY	5.9	8.7	6.2	103
1708	BLUEGRASS PLANT FOODS DANVILLE	5.3*	9.3	6.3	102
3488	6 8 6S RICHARD FRYMAN	5.7*	8.9	6.8	104
3676	EARL KENDALL	6.0	8.0	6.3	101

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>BLUEGRASS PLANT FOODS INC CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
3486	6 8 12 3M 9S RICHARD FRYMAN	5.8	8.5	12.2	101
3433	6 12 18S RICHARD FRYMAN	5.2*	12.2	19.0	98*
3483	RICHARD FRYMAN	5.8	12.6	18.1	101
3776	M T O NAN	6.0	12.1	18.1	101
3834	BLUEGRASS PLANT FOODS DANVILLE	6.3	12.0	18.2	102
6025	O L MITTS	5.7*	12.2	18.2	100
3777	8 8 8M M T O NAN	7.7*	8.1	8.2	99
7009	WALKER SUPPLY COMPANY	7.6*	8.1	9.4	101
369	10 10 10M BRADIE TEATER	9.4*	10.7	10.5	100
1709	BLUEGRASS PLANT FOODS DANVILLE	9.7*	10.7	10.5	102
1769	H R STOUTT	9.9	10.7	10.2	102
3778	M T O NAN	9.3*	10.8	10.0	99
3835	BLUEGRASS PLANT FOODS DANVILLE	9.6*	10.5	10.3	100
3864	GLENWOOD FARMS	9.8	10.5	10.0	101
9010	LOUISA GROCERY	9.1*	10.1	10.0	96*
991	20 SUPERPHOSPHATE I K MILLER & SON		19.9		100
1837	CENTRAL STATE HOSPITAL		20.3		102
3836	BLUEGRASS PLANT FOODS DANVILLE		20.1		100
3481	21 SULFATE OF POTASH MAGNESIA RICHARD FRYMAN			21.2	101
1878	21 5 SULFATE OF POTASH MAGNESIA CLIFFORD E SMITH			21.6	100
1711	50 SULFATE OF POTASH BLUEGRASS PLANT FOODS DANVILLE			50.4	101
1768	H R STOUTT			46.5*	93*
3970	HUGHES M HAMILTON			50.0	100
3973	DORSEY BROTHERS & FISHER			50.4 (1)	101
1834	50 MURIATE OF POTASH WITH 5 LB BORAX (2) KENTUCKY STATE REFORMATORY			49.2*	98*
1838	60 MURIATE OF POTASH CENTRAL STATE HOSPITAL			60.5	101
1845	KENTUCKY TRAINING HOME			60.0	100
3797	KENTUCKY STATE HOSPITAL			60.0	100
3832	KENTUCKY SCHOOL FOR DEAF			60.0	100
4857	KENTUCKY VILLAGE			61.5	103
<u>BUHNER FERTILIZER COMPANY</u>					
1809	0 20 20M BUHNER & COMPANY		19.9	20.4	100
5084	HENRY E BRYANT		19.7	19.9	99
8136	2 12 6M CLARKSON FEED STORE	2.5	12.9	6.2	110
6128	3 12 12M BUHNER & COMPANY	3.4	12.5	12.0	105

(1) EXCESS MURIATE EQUIVALENT TO 1.0%

(2) SEE BORON TABLE PAGE 70

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>BUHNER FERTILIZER COMPANY CONTINUED</u>					
	4 12 8M				
2902	NALLS FEED STORE	5.0	13.4	8.3	114
2919	CANN BROTHERS	5.0	12.6	8.3	110
3727	BUHNER & COMPANY	4.7	12.4	8.8	108
8134	CLARKSON FEED STORE	5.0	12.7	8.5	111
	4 24 12M				
6126	BUHNER & COMPANY	4.9	23.3*	12.7	103
	5 10 15S				
1808	BUHNER & COMPANY	5.5	10.9	15.6	108
1949	EFFIE BARNES	5.2	11.0	15.7	107
2917	CANN BROTHERS	5.4	10.9	16.0	108
3749	FARMERS SUPPLY COMPANY SHELBYVILLE	5.4	11.1	15.2	107
6116	HANCOCKS FEED STORE	5.4	10.8	15.7	107
6124	BUHNER & COMPANY	5.5	10.6	15.7	107
8135	CLARKSON FEED STORE	5.3	11.2	15.0	107
8231	NALLS FEED STORE	5.5	10.9	15.3	107
	6 8 6M				
2844	H H COOMER	5.7*	9.3	6.0	104
6138	SIEGELS FEED & HARDWARE COMPANY	6.3*	9.1	6.7	110
	6 8 6S				
2900	NALLS FEED STORE	6.4	9.8	6.6	114
3725	BUHNER & COMPANY	6.3	9.4	6.3 (1)	110
6081	SHEPHERDSVILLE FEED MILL	6.5	9.2	7.1 (2)	113
6127	BUHNER & COMPANY	6.2	8.8	7.2 (3)	109
8133	CLARKSON FEED STORE	6.3	8.8	6.5	108
	10 10 10M				
1807	BUHNER & COMPANY	9.3*	11.1	10.5	101
2918	CANN BROTHERS	8.9*	11.3	10.5	100
3597	FISTER BROTHERS	9.1*	11.0	10.5	100
3724	BUHNER & COMPANY	10.3	10.5	10.1	103
6080	SHEPHERDSVILLE FEED MILL	10.5	10.4	10.3	104
6125	BUHNER & COMPANY	10.5	10.3	10.4	104
	12 12 12M				
959	NALLS FEED STORE	11.4*	13.2	12.7	102
2901	NALLS FEED STORE	11.9	14.4	12.2	107
5085	HENRY E BRYANT	12.0	13.0	12.0	103
	20 SUPERPHOSPHATE				
3726	BUHNER & COMPANY		20.4		102
<u>BUNTON SEED COMPANY</u>					
	6 12 6M				
1811	BUNTON SEED COMPANY	5.9	12.2	6.4	101
3714	BUNTON SEED COMPANY	6.4	13.4	9.3	115
	10 12 6M				
3713	BUNTON SEED COMPANY	9.0*	12.9	7.2	100
<u>BURLEY BELT PLANT FOOD WORKS</u>					
	3 9 6M				
9023	BURLEY BELT PLANT FOOD WORKS	3.2	9.0	6.5	103
	4 12 8M				
575	SEBASTIAN BROS MERCHANDISE GROCERY	3.8	11.2*	8.4	96*

(1) EXCESS MURIATE EQUIVALENT TO 0.7%

(2) EXCESS MURIATE EQUIVALENT TO 0.6%

(3) EXCESS MURIATE EQUIVALENT TO 1.1%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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)	
5 10 5M					
9026	BURLEY BELT PLANT FOOD WORKS	4.9	9.4*	5.2	97*
5 10 10M					
574	SEBASTIAN BROS MERCHANDISE GROCERY	5.1	9.2*	10.1	97*
697	WOOTEN GROCERY & FEED STORE	4.8	9.9	10.2	99
6072	GENTRY MCCAULEY	5.2	9.2*	10.0	98*
9011	JAY R MILLER WHOLESALE GROCERY	4.9	9.1*	10.1	96*
9025	BURLEY BELT PLANT FOOD WORKS	5.2	9.9	10.5	102
9036	ORMAND LEWIS	5.1	9.5*	10.2	99
5 10 15S					
1886	JOHN B PENN COMPANY	5.0	10.5	14.6*	101
7005	HAROLD BINGE	5.1	9.6*	15.0	99
9021	BURLEY BELT PLANT FOOD WORKS	5.0	9.9	15.0	100
9037	ORMAND LEWIS	4.7	9.4*	16.0 (1)	98*
5 20 20M					
9024	BURLEY BELT PLANT FOOD WORKS	4.9	21.2	18.1*	100
6 6 18S					
1888	JOHN B PENN COMPANY	5.8	6.5	18.1	101
1976	JOHN L TRACY	6.0	6.2	18.2	101
9022	BURLEY BELT PLANT FOOD WORKS	5.8	6.4	18.1	101
6 8 6S					
1887	JOHN B PENN COMPANY	6.0	7.9	6.4	101
9020	BURLEY BELT PLANT FOOD WORKS	6.3	8.1	6.5	104
10 10 10M					
696	WOOTEN GROCERY & FEED STORE	9.7*	10.0	10.2	99
1975	JOHN L TRACY	10.1	10.1	10.3	101
7006	HAROLD BINGE	9.9	9.8	11.0	101
<u>CALIFORNIA SPRAY CHEMICAL CORP</u>					
10 5 5M					
6107	PINKSTON BROTHERS SERVICE STATION	9.4*	5.7	5.2	100
<u>CHILEAN NITRATE SALES CORPORATION</u>					
16 NITRATE OF SODA					
4701	HARRALSON SEED COMPANY	16.2			101
9001	GRAYSON MILLING COMPANY	16.0			100
<u>COMMONWEALTH FERTILIZER COMPANY</u>					
0 20 20M					
901	EDMONTON FARM CENTER		20.9	20.0	103
2866	COMMONWEALTH FERTILIZER COMPANY		19.9	22.5	104
4948	J R WALLACE		20.2	20.5	102
8165	GEORGE KENNEDY		20.1	21.8	103
0 30 30M					
900	EDMONTON FARM CENTER		30.5	28.5*	99
940	GILLISPIE SEED COMPANY		31.4	28.5*	101
2865	COMMONWEALTH FERTILIZER COMPANY		31.1	29.5	102
3889	C C HARDWARE FEED & SEED COMPANY		31.9	29.9	104

(1) EXCESS MURIATE EQUIVALENT TO 0.5%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>COMMONWEALTH FERTILIZER CO CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
<u>3 9 6M</u>					
902	EDMONTON FARM CENTER	3.1	8.9	6.5	102
4958	ISLAND MERCANTILE COMPANY	3.1	8.9	6.3	101
5102	MCKNIGHTS FARM STORE	3.1	8.6*	6.9	101
5200	JAMES J REID GENERAL MERCHANDISE	2.9	8.9	6.0	98*
8160	J W LACK	3.2	9.2	6.6	105
<u>3 12 12M</u>					
8163	RAY ENGLER	2.6*	10.7*	13.2	94*
<u>4 12 8M</u>					
761	FOUNTAIN RUN MILLING COMPANY	4.0	11.5*	8.0	98*
877	COOMERS FEED STORE	4.0	12.2	7.8	100
2861	COMMONWEALTH FERTILIZER COMPANY	4.0	11.4*	8.1	98*
4673	J R WALLACE	4.0	11.2*	10.3	102
4949	J R WALLACE	4.1	12.1	8.2	102
5134	GREENES FEED STORE	4.0	11.8	8.3	100
<u>5 10 10M</u>					
2864	COMMONWEALTH FERTILIZER COMPANY	4.9	10.0	10.0	99
<u>5 10 15S</u>					
903	EDMONTON FARM CENTER	5.0	10.1	15.3	101
2863	COMMONWEALTH FERTILIZER COMPANY	4.9	10.5	15.0	101
3890	C C HARDWARE FEED & SEED COMPANY	5.0	10.0	14.9	100
5103	MCKNIGHTS FARM STORE	5.0	10.0	15.0	100
8162	R D KEMP	4.9	9.3*	16.6	100
8164	S A WHITE	5.0	10.1	14.7	100
<u>6 12 12M</u>					
2862	COMMONWEALTH FERTILIZER COMPANY	6.1	11.9	12.4	101
3891	C C HARDWARE FEED & SEED COMPANY	5.9	11.3*	13.1	99
5104	MCKNIGHTS FARM STORE	6.0	11.0*	12.6	97*
<u>8 24 16M</u>					
3892	C C HARDWARE FEED & SEED COMPANY	7.0*	21.6*	17.6	93*
<u>10 10 10M</u>					
762	FOUNTAIN RUN MILLING COMPANY	9.7	10.4	10.1	100
2860	COMMONWEALTH FERTILIZER COMPANY	9.9	10.6	10.0	102
3893	C C HARDWARE FEED & SEED COMPANY	9.7	11.3	10.8	104
5135	GREENES FEED STORE	9.9	9.9	10.7	100
8161	CHARLES H BROWNING	10.2	10.0	9.9	101
8234	MONROE BROTHERS SWEET FEED MILL	9.5*	9.9	10.8	99
<u>CONSOLIDATED CHEMICAL COMPANY</u>					
<u>2 12 6M</u>					
1814	OSCAR FARMER & SONS	3.8	11.5*	7.0	115
<u>3 12 12M</u>					
3702	HAYDON COAL & OIL COMPANY	3.6	12.5	11.9	106
3858	ARROWWOOD NURSERY	3.5	12.2	12.0	104
<u>4 12 8M</u>					
1815	OSCAR FARMER & SONS	4.2	12.9	8.0	105
1827	STOUTTS FEED STORE	4.0	13.0	7.6*	104
8124	HARDIN COUNTY MILLING COMPANY	3.9	12.1	8.6	101
<u>5 10 15S</u>					
712	STOCKTON BROTHERS	4.8	11.0	15.5	104
1703	R L EDDLEMAN	5.2	10.6	15.4	104
3703	HAYDON COAL & OIL COMPANY	4.8	10.5	16.5	104
<u>5 20 20M</u>					
2935	HARDIN COUNTY MILLING COMPANY	4.0*	18.9*	19.9	93*

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>CONSOLIDATED CHEMICAL CO CONTINUED</u>					
6 6 18S					
3779	HAYDON COAL & OIL COMPANY	6.2	6.4	19.0	105
6100	HAYDON COAL & OIL COMPANY	6.0	6.2	18.4	102
6 8 6S					
1813	OSCAR FARMER & SONS	6.1	8.7	6.4	105
1821	VALLEY FARM STORE	6.2	8.6	6.5	106
10 10 10M					
711	STOCKTON BROTHERS	9.3*	11.4	10.6	102
1820	VALLEY FARM STORE	9.5*	10.6	11.7	102
3857	ARROWWOOD NURSERY	9.5*	11.0	10.5	102
<u>COOPERATIVE FERTILIZER SERVICE</u>					
0 14 14M WITH 3 LBS BORAX PER 100 (1)					
3636	SOUTHERN STATES ALEXANDRIA COOP		14.6	14.2	103
0 20 20M					
534	FIELDS GRAIN & FEED COMPANY		20.5	20.4	102
0 20 40M WITH 4 LB BORAX PER 100 (2)					
395	LINCOLN FARM SERVICE		18.4*	40.2	96*
456	SOUTHERN STATES SOMERSET COOP		19.3*	40.5	99
462	RALPH HOVIUS		20.5	39.6	101
518	SOUTHERN STATES LONDON COOP		19.3*	40.8	101
565	LINCOLN FARM SERVICE		20.3	40.4	101
571	FARM & HOME SUPPLY IRVINE		20.1	40.0	100
848	W C TURNER		20.8	38.0*	100
891	FARMERS EXCHANGE COMPANY BURKESVILLE		21.5	37.6*	101
975	STINSON FARM SUPPLY		20.1	39.2*	99
1692	SOUTHERN STATES LEBANON COOP		20.1	40.5	101
1849	SOUTHERN STATES FRANKFORT COOP		20.3	39.6	100
1852	SOUTHERN STATES OWENTON COOP		21.1	40.4	103
1870	SOUTHERN STATES SHELBYVILLE COOP		20.8	39.3*	101
2802	SOUTHERN STATES GLASGOW COOP		20.0	41.0	101
3618	BOURBON FARM SERVICE		20.0	40.0	100
3705	SOUTHERN STATES LAGRANGE COOP		20.5	38.3*	99
3721	SOUTHERN STATES LOUISVILLE COOP		20.1	39.4*	100
3791	SOUTHERN STATES HARRODSBURG COOP		19.9	40.2	100
3934	PRINCETON FARM SERVICE		19.9	40.0	100
3964	ROWAN FARMERS SUPPLY		19.7	39.3*	98*
3979	SOUTHERN STATES MAYSVILLE COOP		19.7	40.1	99
5170	SOUTHERN STATES MORGANFIELD COOP		21.1	38.7*	101
6075	SOUTHERN STATES BARDSTOWN COOP		19.6	40.2	99
6122	SOUTHERN STATES LOUISVILLE COOP		20.5	40.0	101
8035	ELKTON FARM SUPPLY		19.9	40.4	100
8208	SOUTHERN STATES HOPKINSVILLE COOP		19.5*	38.4*	97*
0 30 30M					
384	WHITLEY COUNTY FARM SUPPLY		30.3	30.0	101
397	LINCOLN FARM SERVICE		29.6	31.2	100
414	REXROAT SUPPLY COMPANY		30.0	29.2*	99
430	FARMERS SUPPLY & PRODUCE MONTICELLO		29.3*	30.0	98*
455	SOUTHERN STATES SOMERSET COOP		30.0	29.7	100
463	RALPH HOVIUS		30.8	30.0	102
870	SOUTHERN STATES HARDIN COOP		29.0*	30.0	98*
1604	GALLATIN COUNTY FARM SUPPLY		28.6*	29.0*	96*
1916	GALLATIN COUNTY FARM SUPPLY		30.5	29.5	101
1960	JOE BUSH FARM SUPPLY		31.0	29.1*	101
1981	SOUTHERN STATES BARDSTOWN COOP		30.9	29.8	102
2731	SOUTHERN STATES HARDIN COOP		30.0	29.5	99
2803	SOUTHERN STATES GLASGOW COOP		29.9	29.8	100
2907	SOUTHERN STATES HARDIN COOP		30.2	30.0	100
3476	SOUTHERN STATES MAYSVILLE COOP		28.4*	31.0	98*
3564	ROWAN FARMERS SUPPLY		31.3	29.5	102
3590	SOUTHERN STATES LEXINGTON COOP		31.3	30.2	103
3811	FARM & HOME STORE PRESTONBURG		28.1*	26.8*	92*
3856	CARROLL COUNTY FARM BUREAU COOP		30.2	29.3*	100
3935	PRINCETON FARM SERVICE		29.9	29.7	99
4685	PHELPS BROTHERS FARM SERVICE		30.4	29.8	101
5093	HICKORY BILLS FARM STORE		29.9	29.7	99
8209	SOUTHERN STATES HOPKINSVILLE COOP		30.1	29.4*	100

(1) SEE BORON TABLE PAGE 70

(2) SEE BORON TABLE PAGE 70

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>					
538	HARLAN FARMERS SUPPLY	2.1	12.4	13.1	105
<i>3 12 12M</i>					
365	HARRISON FARM SUPPLY	3.2	12.3	13.8	107
367	HIATT & PARSONS	3.2	11.7	12.2	100
372	FARMERS EXCHANGE LANCASTER	3.0	11.7	12.8	100
396	LINCOLN FARM SERVICE	3.3	11.6*	12.1	100
415	REXROAT SUPPLY COMPANY	3.1	12.0	12.7	102
715	MCWHORTER BROTHERS	3.0	11.8	13.1	102
720	FARMERS SUPPLY & PRODUCE MONTICELLO	3.0	11.7	12.2	99
845	W C TURNER	3.3	11.9	12.4	102
867	SOUTHERN STATES HARDIN COOP	3.2	12.1	12.2	102
957	MEADE FARMERS SUPPLY	3.2	12.0	12.1	102
1683	SOUTHERN STATES BARDSTOWN COOP	3.1	12.3	12.2	102
1770	CARROLL COUNTY FARM BUREAU COOP	3.1	11.9	12.4	101
1851	SOUTHERN STATES OWENTON COOP	3.3	12.4	13.1	106
1932	HENRY COUNTY FARM & HOME SERVICE	3.2	11.7	12.6	101
2696	SOUTHERN STATES SIMPSON COOP	3.3	11.9	12.6	103
2732	SOUTHERN STATES HARDIN COOP	3.2	12.0	12.2	102
2829	FARMERS EXCHANGE STORE BURKESVILLE	3.2	11.7	12.5	101
3477	SOUTHERN STATES MAYSVILLE COOP	3.2	12.4	14.0	108
3506	SOUTHERN STATES FLEMINGSBURG COOP	3.2	11.7	12.2	100
3631	SOUTHERN STATES ALEXANDRIA COOP	3.2	11.8	12.5	102
3698	STANTON FARMERS SUPPLY	3.3	11.7	13.1	103
3706	SOUTHERN STATES LAGRANGE COOP	3.3	11.9	12.4	102
4686	PHELPS BROTHERS FARM SERVICE	3.4	12.3	12.4	105
4730	HANCOCK COUNTY FARM SUPPLY	3.4	12.0	12.7	104
5094	HICKORY BILLS FARM STORE	2.9	12.1	12.5	101
6012	ANDERSON COUNTY FARM SUPPLY	3.1	11.2*	13.6	101
6073	SOUTHERN STATES LAGRANGE COOP	3.4	12.3	12.1	104
8036	ELKTON FARM SUPPLY	3.3	11.5*	12.6	101
8192	SOUTHERN STATES LEITCHFIELD COOP	3.2	11.6*	12.5	101
<i>4 12 8M</i>					
375	DEATON BROTHERS	4.1	11.7	8.5	100
385	WHITLEY COUNTY FARM SUPPLY	4.0	11.7	9.2	101
512	ROCKCASTLE FARM SERVICE	3.9	12.5	8.3	102
519	SOUTHERN STATES LONDON COOP	4.1	12.0	8.6	102
605	MCWHORTER BROTHERS	4.0	12.2	8.6	102
612	FARMERS SUPPLY & PRODUCE MONTICELLO	4.1	12.7	8.1	104
618	HARRISON FARM SUPPLY	4.2	11.9	8.3	102
627	JACKSON COUNTY FARM SERVICE	4.3	12.0	8.4	103
630	TEATER & CASSIDY	4.3	12.7	8.0	105
704	REXROAT SUPPLY COMPANY	4.2	12.2	8.4	103
714	MCWHORTER BROTHERS	4.2	11.9	8.8	103
721	FARMERS SUPPLY & PRODUCE MONTICELLO	4.1	11.9	8.2	101
736	HARRISON FARM SUPPLY	4.2	12.1	8.1	102
820	SOUTHERN STATES CAMPBELLSVILLE COOP	4.2	12.1	8.6	103
846	W C TURNER	4.0	12.7	7.9	103
851	MORRISON & WALLACE	4.1	12.3	8.4	103
890	FARMERS EXCHANGE COMPANY BURKESVILLE	4.1	11.9	8.3	101
1602	TRIMBLE COUNTY FARM BUREAU	4.0	11.6*	8.7	100
1687	CASH VARIETY STORE	4.1	12.0	8.9	103
1804	SOUTHERN STATES LOUISVILLE COOP	4.3	12.1	8.3	103
1853	SOUTHERN STATES OWENTON COOP	4.1	11.9	8.6	102
1894	CAREY A SHEETS	4.1	11.7	8.6	101
1961	JOE BUSH FARM SUPPLY	4.1	11.9	8.7	102
1980	SOUTHERN STATES BARDSTOWN COOP	4.0	12.3	8.6	103
2697	SOUTHERN STATES SIMPSON COOP	4.0	11.7	8.3	99
2743	T HIGGINBOTHAM	4.3	12.0	8.6	103
2827	FARMERS SERVICE TOMPKINSVILLE	4.2	11.7	8.9	102
2832	FARMERS EXCHANGE STORE BURKESVILLE	4.0	12.0	8.6	101
2905	SOUTHERN STATES HARDIN COOP	4.1	12.2	8.3	102
2912	SOUTHERN STATES LEITCHFIELD COOP	4.2	11.9	8.3	102
2987	FARMERS SUPPLY COMPANY MORGANTOWN	4.1	12.3	8.9	104
2993	EDMONSON COUNTY FARMERS COOP STORE	4.0	12.6	8.0	103
3424	CAMARGO FARMERS SUPPLY	4.0	12.2	8.7	103
3436	SOUTHERN STATES CYNTHIANA COOP	4.1	12.4	8.4	103
3448	SOUTHERN STATES CARLISLE COOP	4.0	12.0	8.7	102
3633	SOUTHERN STATES ALEXANDRIA COOP	4.3	11.3*	8.8	101
3732	ANDERSON COUNTY FARM SUPPLY	4.2	12.3	8.3	103
4687	PHELPS BROTHERS FARM SERVICE	4.2	12.3	8.7	104
4731	HANCOCK COUNTY FARM SUPPLY	4.3	12.0	9.2	105
4757	GRAVES COUNTY SOIL ASSOCIATION	4.1	12.1	8.5	102
4818	ALLOWAY CO SOIL IMPROVEMENT ASSN	4.1	11.7	8.3	100
4895	SOUTHERN STATES CRITTENDEN COOP	4.0	12.3	8.3	102
6050	SOUTHERN STATES BARDSTOWN COOP	4.3	12.0	8.2	103

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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)	
<u>4 12 8M CONTINUED</u>					
6102	WASHINGTON FARM SERVICE	4.3	11.9	8.2	102
8097	FARMERS EXCHANGE COMPANY BURKESVILLE	4.1	11.5*	8.8	100
8179	ALLEN COUNTY FARMERS SERVICE	4.3	12.4	8.1	104
8228	FARMERS SERVICE STORE HARDINSBURG	4.4	11.8	8.7	103
<u>4 12 12M</u>					
667	HARLAN FARMERS SUPPLY	3.9	12.6	12.7	103
<u>5 10 10M</u>					
536	HARLAN FARMERS SUPPLY	5.0	11.3	10.4	107
<u>5 10 15S</u>					
362	RICHMOND FARM SERVICE	5.2	10.4	15.0	103
364	HARRISON FARM SUPPLY	5.1	10.1	15.0	101
373	FARMERS EXCHANGE LANCASTER	5.3	10.6	15.0	104
377	DEATON BROTHERS	5.3	10.3	13.5*	100
394	LINCOLN FARM SERVICE	4.9	10.2	15.0	100
413	REXROAT SUPPLY COMPANY	4.9	10.9	16.0	(1) 105
431	FARMERS SUPPLY & PRODUCE MONTICELLO	5.0	10.5	15.3	103
513	ROCKCASTLE FARM SERVICE	5.1	10.5	15.0	103
551	SOUTHERN STATES SOMERSET COOP	4.7*	10.5	15.0	100
594	RICHMOND FARM SERVICE	4.6*	10.4	15.3	100
626	JACKSON COUNTY FARM SERVICE	5.0	10.2	15.4	102
631	TEATER & CASSIDY	4.8	10.4	15.0	100
640	WHITLEY COUNTY FARM SUPPLY	5.0	10.9	15.0	104
678	CASEY COUNTY FARM SUPPLY	5.0	10.1	15.3	101
713	MCWHORTER BROTHERS	5.1	10.4	15.0	102
719	FARMERS SUPPLY & PRODUCE MONTICELLO	5.1	10.2	15.0	101
735	HARRISON FARM SUPPLY	5.2	10.5	14.9	103
821	SOUTHERN STATES CAMPBELLSVILLE COOP	5.1	10.5	15.1	103
850	MORRISON & WALLACE	4.9	10.3	15.0	101
930	SOUTHERN STATES HOPKINSVILLE COOP	5.3	10.3	14.8	103
967	FARMERS SERVICE STORE HARDINSBURG	5.2	10.0	15.0	101
1590	SOUTHERN STATES SHELBYVILLE COOP	4.9	9.9	15.6	100
1597	SOUTHERN STATES OWENTON COOP	5.3	10.1	15.4	103
1621	SOUTHERN STATES GEORGETOWN COOP	5.2	10.8	14.7	104
1623	S J NEAL	5.1	10.5	15.8	104
1628	HEDDEN BROTHERS	4.9	10.7	15.0	102
1638	CASH VARIETY STORE	4.9	10.6	15.3	102
1714	SOUTHERN STATES BOYLE COOP	5.2	10.9	15.0	105
1782	ALBERT YATES & SON	5.1	10.0	15.6	102
1893	CAREY A SHEETS	5.1	10.2	15.1	102
1904	BATES FARM SUPPLY	5.1	10.1	15.0	101
1966	SOUTHERN STATES FRANKFORT COOP	5.1	10.3	15.0	102
2726	SOUTHERN STATES HARDIN COOP	5.2	10.1	16.0	104
2785	ELKTON FARM SUPPLY	5.0	10.1	17.5 (2)	105
2826	FARMERS SERVICE TOMPKINSVILLE	4.9	10.5	15.3	102
2831	FARMERS EXCHANGE STORE BURKESVILLE	5.1	10.4	15.6	103
2914	SOUTHERN STATES LEITCHFIELD COOP	5.2	10.2	15.3	103
2974	MAJORS FARM STORE	5.0	10.1	15.1	101
2994	EDMONSON COUNTY FARMERS COOP STORE	5.1	10.9	14.7	104
3420	BOURBON FARM & HOME SERVICE	5.3	10.4	15.2	104
3422	CAMARGO FARMERS SUPPLY	5.3	10.6	14.8	104
3435	SOUTHERN STATES CYNTHIANA COOP	4.9	10.2	15.0	100
3635	SOUTHERN STATES ALEXANDRIA COOP	5.2	10.1	14.9	101
3736	SOUTHERN STATES GEORGETOWN COOP	4.9	10.9	15.0	103
3841	HENRY COUNTY FARM SERVICE	5.1	10.2	15.4	102
3855	CARROLL COUNTY FARM BUREAU COOP	5.0	10.5	15.0	102
4690	PHELPS BROTHERS FARM SERVICE	5.1	10.5	15.0	103
4732	HANCOCK COUNTY FARM SUPPLY	5.0	10.6	16.5	105
4759	GRAVES COUNTY SOIL ASSOCIATION	5.2	10.7	15.1	104
4819	CALLOWAY CO SOIL IMPROVEMENT ASSN	5.0	10.2	15.1	101
4835	G E & ELMER J ROSS	4.8	10.1	15.3	100
6005	SOUTHERN STATES GEORGETOWN COOP	5.2	10.5	14.9	103
6013	ANDERSON COUNTY FARM SUPPLY	5.1	10.3	15.2	102
8034	ELKTON FARM SUPPLY	5.2	10.5	14.9	103
8052	SOUTHERN STATES BOWLING GREEN COOP	4.9	10.6	15.0 (3)	102
8101	FARMERS EXCHANGE COMPANY BURKESVILLE	5.0	10.0	15.5	101
8178	ALLEN COUNTY FARMERS SERVICE	5.0	9.9	15.6	101
8210	SOUTHERN STATES HOPKINSVILLE COOP	5.0	10.2	15.5	102
8230	FARMERS SERVICE STORE HARDINSBURG	5.0	10.3	15.0	101
<u>5 20 20M</u>					
383	WHITLEY COUNTY FARM SUPPLY	5.3	20.0	20.4	102
400	LINCOLN FARM SERVICE	5.3	20.1	19.9	101
432	FARMERS SUPPLY & PRODUCE MONTICELLO	5.1	19.6	21.0	101
454	SOUTHERN STATES SOMERSET COOP	5.0	19.6	20.1	99
467	CASEY COUNTY FARM SUPPLY	5.3	20.2	18.5*	100

(1) EXCESS MURIATE EQUIVALENT TO 1.5%

(2) EXCESS MURIATE EQUIVALENT TO 0.4%

(3) EXCESS MURIATE EQUIVALENT TO 0.4%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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)	
COOPERATIVE FERT SERVICE CONTINUED					
5 20 20M CONTINUED					
606	MCHHORTER BROTHERS	5.2	20.0	20.5	101
806	ALLEN COUNTY FARMERS SERVICE	5.1	20.4	19.8	101
928	SOUTHERN STATES HOPKINSVILLE COOP	5.1	19.6*	21.0	101
968	FARMERS SERVICE STORE HARDINSBURG	5.2	20.5	19.9	102
1682	SOUTHERN STATES BARDSTOWN COOP	5.3	19.5*	21.0	101
1715	SOUTHERN STATES BOYLE COOP	5.4	19.9	20.4	102
1771	CARROLL COUNTY FARM BUREAU COOP	5.3	19.5*	20.2	100
1803	SOUTHERN STATES LOUISVILLE COOP	5.2	18.9*	19.9	98*
2694	SOUTHERN STATES SIMPSON COOP	5.2	19.6	20.6	101
2801	SOUTHERN STATES GLASGOW COOP	5.2	20.0	20.2	101
2830	FARMERS EXCHANGE STORE BURKESVILLE	5.2	19.5*	20.4	100
2906	SOUTHERN STATES HARDIN COOP	5.4	18.7*	20.9	99
3634	SOUTHERN STATES ALEXANDRIA COOP	5.2	19.2*	21.0	100
3722	SOUTHERN STATES LOUISVILLE COOP	5.1	21.2	18.6*	102
3767	SHEPHERDSVILLE FEED MILL	5.2	19.7	21.0	101
4688	PHELPS BROTHERS FARM SERVICE	5.2	19.6	20.2	100
4734	HANCOCK COUNTY FARM SUPPLY	5.4	19.9	21.0	103
4758	GRAVES COUNTY SOIL ASSOCIATION	5.3	19.6	20.7	101
5082	K R MCKINNEY & SON	5.0	19.0*	21.4	99
6112	SOUTHERN STATES LAGRANGE COOP	5.3	18.8*	21.0	99
7008	RICHMOND FARM SERVICE	5.1	19.9	21.4	102
8033	ELKTON FARM SUPPLY	6.1	17.3*	20.0	97*
8099	FARMERS EXCHANGE COMPANY BURKESVILLE	5.2	19.9	19.5*	100
8189	SOUTHERN STATES LEITCHFIELD COOP	5.2	19.1*	20.5	99
8214	MAJORS FARM STORE	5.4	18.1*	18.1*	94*
8227	FARMERS SERVICE STORE HARDINSBURG	5.0	19.7	20.1	99
8236	SOUTHERN STATES HOPKINSVILLE COOP	5.1	19.4*	21.4	101
9016	SOUTHERN STATES CAMPBELL COOP	5.1	20.7	18.6*	100
6 6 18S					
361	RICHMOND FARM SERVICE	6.0	6.7	17.8	103
368	TEATER & CASSITY	6.0	6.4	18.7	103
748	LINCOLN FARM SERVICE	6.0	7.0	17.7	104
1605	CARROLL COUNTY FARM BUREAU COOP	6.0	6.5	18.4	103
1638	SOUTHERN STATES FRANKFORT COOP	5.9	6.3	18.1	101
1850	SOUTHERN STATES FRANKFORT COOP	6.4	6.2	17.4*	102
1869	ANDERSON COUNTY FARM SERVICE	6.2	6.1	18.1	102
1892	CAREY A SHEETS	6.2	6.7	17.6*	103
1910	LIPSCOMB FARM SUPPLY	5.9	6.9	18.2	104
3478	SOUTHERN STATES MAYSVILLE COOP	5.9	6.3	18.5	102
3563	ROWAN FARMERS SUPPLY	6.0	6.7	18.1	103
3604	SOUTHERN STATES CLARK COOP	6.1	6.2	18.1	102
3748	SOUTHERN STATES SHELBYVILLE COOP	5.9	6.4	17.5*	100
3760	SOUTHERN STATES OWENTON COOP	5.9	6.2	17.8	100
3805	CABLES FARM SUPPLY	5.9	6.9	18.1	103
6108	SOUTHERN STATES FRANKFORT COOP	6.0	6.3	17.3*	100
6 8 6S					
363	RICHMOND FARM SERVICE	5.9	8.5	6.3	103
371	FARMERS EXCHANGE LANCASTER	5.5*	8.1	6.3	98*
376	DEATON BROTHERS	5.9	8.4	6.2	102
398	LINCOLN FARM SERVICE	6.1	8.2	6.4	103
520	SOUTHERN STATES LONDON COOP	6.1	8.2	6.7	104
628	JACKSON COUNTY FARM SERVICE	5.8	8.5	5.6*	100
633	TEATER & CASSIDY	6.1	8.3	6.4	103
639	WHITLEY COUNTY FARM SUPPLY	6.0	8.3	5.9	101
807	ALLEN COUNTY FARMERS SERVICE	6.1	8.1	6.1	102
876	ADAIR FARMERS SERVICE	5.7*	8.9	6.1	103
998	SOUTHERN STATES CAMPBELLSVILLE COOP	5.9	8.8	6.3 (1)	104
1592	SOUTHERN STATES SHELBYVILLE COOP	6.1	8.1	6.4	102
1620	SOUTHERN STATES GEORGETOWN COOP	6.1	8.4	6.5	104
1639	SOUTHERN STATES FRANKFORT COOP	5.9	8.2	6.5	102
1772	CARROLL COUNTY FARM BUREAU COOP	6.0	8.4	7.5	106
1908	LIPSCOMB FARM SUPPLY	6.3	8.5	6.5	106
1933	HENRY COUNTY FARM & HOME SERVICE	5.8	8.7	6.8 (2)	104
1951	CARROLL COUNTY FARM BUREAU COOP	6.0	8.8	6.2	105
1967	SOUTHERN STATES FRANKFORT COOP	6.1	8.0	6.1	101
2784	ELKTON FARM SUPPLY	6.0	8.2	6.5	102
2908	SOUTHERN STATES HARDIN COOP	5.9	8.1	6.6	101
3419	BOURBON FARM & HOME SERVICE	5.9	8.4	6.8	103
3421	CAMARGO FARMERS SUPPLY	5.6*	8.2	6.3	99
3480	SOUTHERN STATES MAYSVILLE COOP	6.1	8.8	7.1	108
3765	SHEPHERDSVILLE FEED MILL	5.8	8.6	6.3	102
3837	E G KYSER	6.3	8.2	6.5	105
4691	PHELPS BROTHERS FARM SERVICE	6.2	8.1	6.1	102
4733	HANCOCK COUNTY FARM SUPPLY	6.0	8.5	7.0	105
6029	LIPSCOMB FARM SUPPLY	6.0	8.0	7.0	103
6033	SOUTHERN STATES OWENTON COOP	6.2	8.4	6.7	105
8053	SOUTHERN STATES BOWLING GREEN COOP	6.3	8.2	6.4	104
8098	FARMERS EXCHANGE COMPANY BURKESVILLE	6.3	8.1	6.8	105

(1) EXCESS MURIATE EQUIVALENT TO 0.4%

(2) EXCESS MURIATE EQUIVALENT TO 0.8%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>COOPERATIVE FERT SERVICE CONTINUED</u>					
	6 12 12M				
360	RICHMOND FARM SERVICE	6.0	13.0	11.9	104
374	DEATON BROTHERS	5.9	11.2*	12.6	98*
382	WHITLEY COUNTY FARM SUPPLY	5.9	12.1	12.3	100
399	LINCOLN FARM SERVICE	6.0	12.0	12.2	100
490	RICHMOND FARM SERVICE	6.0	12.6	12.5	103
611	FARMERS SUPPLY & PRODUCE MONTICELLO	6.2	12.2	12.1	102
619	HARRISON FARM SUPPLY	5.9	11.7	12.5	99
703	REXROAT SUPPLY COMPANY	5.5*	12.1	12.2	98*
759	FARMERS SERVICE TOMPKINSVILLE	6.0	11.8	12.4	100
805	ALLEN COUNTY FARMERS SERVICE	6.0	12.3	12.2	101
868	SOUTHERN STATES HARDIN COOP	6.2	12.2	12.4	103
929	SOUTHERN STATES HOPKINSVILLE COOP	6.1	12.0	12.6	102
1629	HEDDEN BROTHERS	5.9	12.1	12.2	100
1693	SOUTHERN STATES LABANON COOP	6.2	12.2	12.2	102
1806	SOUTHERN STATES LOUISVILLE COOP	6.2	11.9	12.4	101
1828	BRIDWELLS FEED MILL	5.1*	12.2	12.5	97*
1868	ANDERSON COUNTY FARM SERVICE	5.9	12.2	12.5	101
1871	SOUTHERN STATES SHELBYVILLE COOP	6.1	12.1	12.5	102
1909	LIPSCOMB FARM SUPPLY	6.1	12.5	12.1	103
2695	SOUTHERN STATES SIMPSON COOP	6.3	11.9	12.9	103
2744	FARMERS SERVICE STORE HARDINSBURG	6.3	12.2	12.4	103
2825	FARMERS SERVICE TOMPKINSVILLE	5.9	12.4	12.4	102
2847	SOUTHERN STATES BOWLING GREEN COOP	5.9	12.8	12.2	103
2913	SOUTHERN STATES LEITCHFIELD COOP	6.3	11.8	12.7	102
2973	MAJORS FARM STORE	6.0	12.0	12.5	101
3423	CAMARGO FARMERS SUPPLY	6.0	12.4	12.5	102
3508	SOUTHERN STATES FLEMINGSBURG COOP	5.9	12.7	12.0	102
3562	ROWAN FARMERS SUPPLY	5.7*	12.7	12.2	101
3589	SOUTHERN STATES LEXINGTON COOP	5.9	12.1	12.1	100
3630	SOUTHERN STATES ALEXANDRIA COOP	6.0	12.4	12.1	102
3747	SOUTHERN STATES SHELBYVILLE COOP	6.1	12.2	12.3	102
4689	PHELPS BROTHERS FARM SERVICE	6.2	12.4	12.4	103
4729	HANCOCK COUNTY FARM SUPPLY	6.1	12.0	12.4	101
4836	G E & ELMER J ROSS	6.1	11.9	12.5	101
6006	SOUTHERN STATES GEORGETOWN COOP	6.2	12.1	12.8	103
6034	SOUTHERN STATES OWENTON COOP	6.3	11.9	13.0	103
6074	SOUTHERN STATES LAGRANGE COOP	6.0	11.9	12.2	100
6079	BRIDWELLS FEED MILL	6.2	12.0	11.2*	100
7003	TEATER & CASSITY	6.0	11.9	12.4	100
8190	SOUTHERN STATES LEITCHFIELD COOP	5.8	12.6	11.5*	100
8229	FARMERS SERVICE STORE HARDINSBURG	6.5	12.0	12.5	104
	10 10 10M				
429	FARMERS SUPPLY & PRODUCE MONTICELLO	10.3	10.8	10.1	104
489	RICHMOND FARM SERVICE	10.1	10.2	10.5	102
537	HARLAN FARMERS SUPPLY	9.5*	10.9	10.4	101
604	MCWHORTER BROTHERS	10.1	10.9	10.5	104
632	TEATER & CASSIDY	10.4	10.1	10.5	103
716	MCWHORTER BROTHERS	10.1	9.7	10.6	101
758	FARMERS SERVICE TOMPKINSVILLE	10.6	10.0	10.0	103
847	W C TURNER	8.7*	11.1	10.7	98*
869	SOUTHERN STATES HARDIN COOP	9.9	10.0	11.1	101
966	FARMERS SERVICE STORE HARDINSBURG	10.1	11.2	10.8	106
1805	SOUTHERN STATES LOUISVILLE COOP	10.1	9.9	10.6	101
1839	LOUISVILLEJEFFERSON CO CHILDREN HOME	10.1	10.2	10.7	102
1946	TRIMBLE COUNTY FARM BUREAU COOP	10.0	10.2	10.5	102
2733	SOUTHERN STATES HARDIN COOP	10.3	10.4	10.6	104
3704	SOUTHERN STATES LAGRANGE COOP	10.1	11.3	10.2	105
3792	SOUTHERN STATES HARRODSBURG COOP	10.4	10.4	10.5	104
4832	W J EMMICK	10.1	10.1	10.2	101
4995	NEELS FARM STORE	10.3	10.6	11.0	105
5001	PRINCETON FARM SERVICE	10.6	10.1	10.8	105
5083	K R MCKINNEY & SON	10.0	11.7	11.5	108
5144	PHELPS BROTHERS FARM SERVICE	10.0	10.1	10.9	102
6123	SOUTHERN STATES LOUISVILLE COOP	8.7*	12.8	10.8	104
8009	MAJORS FARM STORE	10.4	9.7	10.2	101
8100	FARMERS EXCHANGE COMPANY BURKESVILLE	10.3	10.6	10.8	105
9017	SOUTHERN STATES CAMPBELL COOP	10.3	10.7	10.4	105
	15 15 15M				
8191	SOUTHERN STATES LEITCHFIELD COOP	14.9	15.3	15.0	100
	33 5 AMMONIUM NITRATE				
1702	HAYDON COAL & OIL COMPANY	33.3			100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>COOPERATIVE FERT SERVICE CONTINUED</u>					
20 SUPERPHOSPHATE					
511	HARRISON FARM SUPPLY		20.3		102
558	FARMERS EXCHANGE LANCASTER		20.7		103
849	MORRISON & WALLACE		20.1		100
1880	SOUTHERN STATES GEORGETOWN COOP		19.9		100
1952	CARROLL COUNTY FARM BUREAU COOP		20.4		102
2828	FARMERS EXCHANGE STORE BURKESVILLE		20.8		104
2848	SOUTHERN STATES BOWLING GREEN COOP		20.4		102
3437	SOUTHERN STATES CYNTHIANA COOP		20.2		101
3479	SOUTHERN STATES MAYSVILLE COOP		21.2		106
3761	SOUTHERN STATES OWENTON COOP		19.9		100
3766	SHEPHERDSVILLE FEED MILL		20.2		101
3863	GLENWOOD FARMS		20.1		100
4727	HANCOCK COUNTY FARM SUPPLY		20.2		101
4855	R A STOWERS		20.6		103
6113	LOUISVILLEJEFFERSON CO CHILDREN HOME		20.0		100
50 SULFATE OF POTASH					
3968	SOUTHERN STATES CYNTHIANA COOP			49.7 (1)	99
7007	RICHMOND FARM SERVICE			50.5	101
51 SULFATE OF POTASH					
1697	WASHINGTON FARM SERVICE			51.3	101
1785	HENRY COUNTY FARM & HOME SERVICE			51.6	101
2915	SOUTHERN STATES LEITCHFIELD COOP			51.0	100
60 MURIATE OF POTASH					
510	HARRISON FARM SUPPLY			60.5	101
552	SOUTHERN STATES SOMERSET COOP			59.8	100
624	ROCKCASTLE FARM SERVICE			60.1	100
1881	SOUTHERN STATES GEORGETOWN COOP			60.0	100
2849	SOUTHERN STATES BOWLING GREEN COOP			60.8	101
3507	SOUTHERN STATES FLEMINGSBURG COOP			58.6*	98*
3619	BOURBON FARM SERVICE			60.0	100
3632	SOUTHERN STATES ALEXANDRIA COOP			54.0*	90*
3871	SOUTHERN STATES SHELBYVILLE COOP			61.1	102
4728	HANCOCK COUNTY FARM SUPPLY			60.9	102
5081	K R MCKINNEY & SON			60.4	101
6007	SOUTHERN STATES GEORGETOWN COOP			60.5	101
<u>DARLING & COMPANY</u>					
0 20 20M					
4762	GRAVES COUNTY SOIL ASSOCIATION		20.3	21.2	103
0 25 25M					
4874	HELMS HATCHERY		30.0	21.7*	109
4934	AUSTIN & AUSTIN SEED COMPANY		31.3*	19.5*	109
3 12 12M					
3911	FARMERS GIN COMPANY	3.3	12.2	12.8	105
4 12 8M					
3922	T C EDWARDS	4.4	11.9	8.8	104
4760	GRAVES COUNTY SOIL ASSOCIATION	4.5	13.0	8.6	109
5064	FARMINGTON SWEET FEED MILL	4.2	11.6*	8.4	100
5 10 15S					
4683	BALLARD COUNTY COOPERATIVE	5.1	10.6	15.0	103
4755	MARSHALL CO SOIL IMPROVEMENT ASSN	5.2	10.8	15.3	105
4820	CALLOWAY CO SOIL IMPROVEMENT ASSN	5.3	10.3	15.1	103
5141	KUTTAWA FEED & SEED COMPANY	5.0	10.1	14.7	100
5 10 15S PESTICIDE					
5150	T C EDWARDS (2)	5.4	10.0	14.9	102

(1) EXCESS MURIATE EQUIVALENT TO 0.6%

(2) ALDRIN GUARANTEED 0.50% ----- FOUND 0.53%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>DARLING & COMPANY CONTINUED</u>					
	5 20 20M				
4924	MOORE SEED & GRAIN COMPANY	5.3	19.3*	19.6	99
5057	ELLIS POPCORN COMPANY	5.0	19.3*	20.5	99
	6 12 12M				
3909	FARMERS IMPLEMENT & SUPPLY HICKMAN	6.0	12.1	12.8	102
4682	BALLARD COUNTY COOPERATIVE	6.7	12.2	12.4	105
4754	MARSHALL CO SOIL IMPROVEMENT ASSN	6.1	12.2	12.5	102
4761	GRAVES COUNTY SOIL ASSOCIATION	6.0	12.2	13.5	104
4821	CALLOWAY CO SOIL IMPROVEMENT ASSN	6.7	12.5	12.5	107
5066	MILBURN MILL	5.9	11.7	12.0	98*
	8 24 16M				
3902	MOORE SEED & GRAIN COMPANY	7.6*	23.3*	16.4	98*
4919	FARMERS GIN COMPANY CLINTON	7.0*	21.3*	17.3	92*
4923	MOORE SEED & GRAIN COMPANY	7.3*	21.3*	17.6	93*
4935	AUSTIN & AUSTIN SEED COMPANY	7.4*	21.9*	16.8	94*
5023	KUTTAWA FEED & SEED COMPANY	6.4*	24.0	16.9	96*
5108	T R AKRIDGE	6.4*	22.8*	17.1	93*
5142	KUTTAWA FEED & SEED COMPANY	6.4*	23.4*	16.7	94*
	10 10 10M				
3912	FARMERS GIN COMPANY CLINTON	9.3*	10.6	11.0	100
4920	FARMERS GIN COMPANY CLINTON	8.7*	12.5	10.2	102
5024	KUTTAWA FEED & SEED COMPANY	9.7	10.1	10.9	100
	12 12 12M				
3910	FARMERS IMPLEMENT & SUPPLY HICKMAN	11.3*	12.7	12.2	99
4875	HELMS HATCHERY	11.5*	12.4	12.4	100
4925	MOORE SEED & GRAIN COMPANY	11.8	12.6	12.1	101
	20 SUPERPHOSPHATE				
4938	LYNN GROVE FEED & SEED COMPANY		21.6		108
	60 MURIATE OF POTASH				
3901	MOORE SEED & GRAIN COMPANY			60.4	101
5071	BARDWELL MILLING COMPANY			60.2	100
<u>DAVISON CHEMICAL CORPORATION</u>					
	0 20 20M				
787	FARMERS SUPPLY COMPANY GLASGOW		20.1	18.4*	98*
825	YOUNG SEED HOUSE		20.6	20.0	102
935	SIMPSON COUNTY SEED COMPANY		19.9	19.3*	99
5125	CRAFTON & DUNCAN & SINKHORN		20.0	20.8	101
8064	JOHNSON & ASHBY HARDWARE COMPANY		20.2	18.4*	98*
8182	FARMERS SERVICE GLASGOW		20.6	19.8	102
	0 20 20M WITH 2 LBS BORAX PER 100 (1)				
773	ALLEN COUNTY FARMERS SERVICE		18.6*	19.0*	94*
2879	SIMPSON COUNTY SEED COMPANY		20.6	20.0	102
	0 25 25M				
466	TARTER FEED MILL		22.0*	29.1	97*
831	HENRY DURHAM HARDWARE COMPANY		25.6	24.7	101
3404	C S BRENT SEED COMPANY		23.7*	27.5	100
3587	C S BRENT SEED COMPANY		25.7	25.7	103
3709	ASHBORNE FARMS		23.2*	25.7	96*
4705	DAVISON CHEMICAL CO WHSE OWENSBORO		29.3	20.8*	106
8132	HARLIN HAYES		23.6*	26.4	97*
	0 25 25M WITH 5 LBS BORAX PER 100 (2)				
1595	CLIMAX ROLLER MILLS		25.1	21.8*	96*
1729	CLIMAX ROLLER MILLS		26.1	20.5*	97*

(1) SEE BORON TABLE PAGE 70

(2) SEE BORON TABLE PAGE 70

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>DAVISON CHEMICAL CORP CONTINUED</i>					
<i>2 12 6M</i>					
971	FULKERSON BROTHERS	3.1	11.7	10.0	119
2799	FARMERS SUPPLY GLASGOW	2.2	11.7*	7.5	104
2920	CLARKSON FEED STORE	2.5	11.0*	8.1	104
3401	C S BRENT SEED COMPANY	2.3	12.4	7.2	108
4736	FARMERS COOPERATIVE MADISONVILLE	3.3	12.1	9.0	120
4889	V W ALEXANDER	3.3	12.7	9.7	125
8153	FRANK SNODGRASS HARDWARE	2.1	12.2	6.7	104
<i>3 9 6M</i>					
664	BELL COUNTY SUPPLY COMPANY	2.8	9.2	6.0	99
3878	W I SMITH GENERAL STORE	3.0	9.1	6.2	101
8065	JOHNSON & ASHBY HARDWARE COMPANY	2.6*	10.1	6.3	104
<i>3 9 27M</i>					
1626	IRA BEST	3.0	9.9	26.1*	102
2886	GILLISPIE SEED COMPANY	3.1	9.7	28.0	105
<i>3 12 12M</i>					
516	MT VERNON PRODUCE	3.6	12.5	12.2	107
677	TARTER FEED MILL	3.5	12.7	12.7	108
785	FARMERS SUPPLY GLASGOW	2.8	12.8	9.4*	96*
836	HENRY DURHAM HARDWARE COMPANY	3.7	12.8	12.4	109
938	SIMPSON COUNTY SEED COMPANY	3.2	12.1	13.1	104
983	YOUNG SEED HOUSE	3.3	12.0	12.1	102
997	I K MILLER & SON	3.0	12.2	12.4	102
1791	PORTER WILSON	3.9	11.9	14.8	112
2800	FARMERS SUPPLY GLASGOW	3.0	11.9	13.4	103
3405	C S BRENT SEED COMPANY	2.9	13.1	14.1	109
3717	FLOORES FEED STORE	3.0	12.3	12.6	103
4737	FARMERS COOPERATIVE MADISONVILLE	3.1	12.5	12.0	103
4763	GRAVES COUNTY SOIL ASSOCIATION	2.9	12.7	12.5	104
4775	GALLOWAY SEED COMPANY	3.4	12.0	12.5	104
6045	JEWELL & HAYDEN HARDWARE	3.1	12.0	11.4*	99
6117	FLOORES FEED STORE	3.4	12.3	12.1	104
6121	BUECHEL PRODUCE EXCHANGE	3.5	11.9	14.0	107
8072	SIMPSON COUNTY SEED COMPANY	3.2	12.0	13.1	104
8095	JOE SHELLEY FEED STORE	3.0	12.4	13.0	104
8131	HARLIN HAYES	3.4	12.7	10.9*	103
8180	FARMERS SUPPLY GLASGOW	3.0	12.8	12.1	104
9038	ELWOOD LOGAN	3.3	12.1	12.2	103
<i>4 12 8M</i>					
366	MT VERNON PRODUCE COMPANY	3.3*	12.3	8.5	98*
464	TARTER FEED MILL	4.0	11.7	8.8	100
710	STOCKTON BROTHERS	3.9	12.5	7.4*	100
770	J W PETTY	3.9	12.6	8.0	102
834	HENRY DURHAM HARDWARE COMPANY	4.6	11.9	7.9	103
1689	J H LYON & SONS	4.3	11.9	9.5	105
2689	SHIPPS SEED HOUSE	3.2*	11.8	8.3	94*
2701	ALLEN COUNTY FARMERS SERVICE	4.6	10.9*	13.2	111
2755	PHILLIP WELLS	3.8	12.3	8.1	100
2843	H H COOMER	4.4	11.9	8.7	104
2880	SIMPSON COUNTY SEED COMPANY	4.3	11.9	8.7	103
2883	GILLISPIE SEED COMPANY	3.9	12.3	8.3	101
2921	CLARKSON FEED STORE	4.5	12.0	8.3	104
2941	THOMERSON MILLING COMPANY	4.4	11.6*	8.1	101
2943	R D REYNOLDS	3.8	12.6	7.1*	99
2982	FRANK SNODGRASS HARDWARE	3.9	12.9	8.2	104
2992	J B HATCHER COMPANY	4.0	12.2	8.6	102
3707	ASHBORNE FARMS	4.5	12.1	9.5	107
3716	FLOORES FEED STORE	4.0	12.3	9.2	104
4738	FARMERS COOPERATIVE MADISONVILLE	4.0	12.1	8.8	102
4756	MARSHALL CO SOIL IMPROVEMENT ASSN	4.0	12.4	8.1	102
4764	GRAVES COUNTY SOIL ASSOCIATION	3.8	12.0	8.7	100
4776	GALLOWAY SEED COMPANY	3.9	11.9	8.5	100
4890	V W ALEXANDER	4.0	12.3	8.3	102
6084	JONES HARDWARE COMPANY	4.4	12.2	8.8	105
8061	JOHNSON & ASHBY HARDWARE COMPANY	3.9	11.9	8.6	100
8076	BROWN SEED CLEANER	4.0	12.4	8.2	102
8130	HARLIN HAYES	4.7	12.0	9.4	108
8152	FRANK SNODGRASS HARDWARE	4.1	11.7	8.2	100
8156	MORGANTOWN MILLING COMPANY	4.8	11.9	9.0	107
8175	ALLEN COUNTY FARMERS SERVICE	4.1	11.7	8.0	99
8213	GREENVILLE IMPLEMENT COMPANY	4.0	11.9	8.1	100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>DAVISON CHEMICAL CORP CONTINUED</i>					
<i>4 16 16M</i>					
545	WALTER MULLINS	3.9	14.5*	16.8	96*
3770	M E SAMUELS	4.0	16.2	16.6	102
4739	FARMERS COOPERATIVE MADISONVILLE	3.7*	16.3	15.9	99
4777	CALLOWAY SEED COMPANY	3.7*	16.7	14.0*	98*
5110	RUARK TRUCK LINES	4.0	15.4*	17.0	100
8202	CANEYVILLE ROLLER MILLS	3.9	16.5	15.4*	100
<i>5 10 10M</i>					
526	MCCARTY FARM SERVICE	5.0	10.2	9.3*	99
663	BELL COUNTY SUPPLY COMPANY	4.5*	9.9	8.8*	94*
774	ALLEN COUNTY FARMERS SERVICE	4.3*	9.6*	10.5	95*
5177	R H SMITH	4.8	10.2	10.0	100
8060	JOHNSON & ASHBY HARDWARE COMPANY	5.1	10.4	11.4	106
8173	ALLEN COUNTY FARMERS SERVICE	4.9	10.3	9.9	100
9039	ELWOOD LOGAN	4.2*	9.9	9.9	94*
<i>5 10 15S</i>					
465	TARTER FEED MILL	5.1	10.7	15.0 (1)	103
515	MT VERNON PRODUCE	5.3	10.6	15.0	104
563	STANFORD PRODUCE	6.0	9.7	16.0 (2)	107
832	HENRY DURHAM HARDWARE COMPANY	5.5	10.1	15.1 (3)	104
937	SIMPSON COUNTY SEED COMPANY	5.2	10.0	15.3	102
970	FULKERSON BROTHERS	4.5*	10.3	18.4 (4)	105
984	YOUNG SEED HOUSE	5.2	9.7	15.4	101
1593	CLIMAX ROLLER MILLS	4.1*	10.6	14.7	96*
1616	CLIMAX ROLLER MILLS	4.1*	10.8	14.1*	96*
1622	JOE CLAXON	5.4	10.0	15.5	103
1624	J HOMER HALL	5.5	11.0	15.1 (5)	107
1627	IRA BEST	4.8	9.9	14.5 (6)	98*
1690	J H LYONS & SONS	5.5	9.6*	16.5	104
1727	CLIMAX ROLLER MILLS	4.7*	10.2	14.0 (7)	97*
1728	CLIMAX ROLLER MILLS	4.9	10.0	14.8 (8)	99
1748	GENTRY MCCAULEY	5.4	10.9	14.8	106
1790	PORTER WILSON	5.0	11.0	15.0	104
1891	CAREY A SHEETS	4.4*	10.8	13.8*	97*
1934	DOTSONS FARM SERVICE	4.7*	10.4	15.4	101
1944	TERRELL BRAY	4.8	11.4	14.4 (9)	99
1971	F G BURD	5.3	10.4	16.0 (10)	105
1973	FLOYD ROBERTSON	5.1	10.2	15.7	103
2756	PHILLIP WELLS	5.0	10.0	15.4	101
2798	FARMERS SUPPLY GLASGOW	4.6*	9.8	15.0	97*
2896	SHIPP & HEDGEPTH	5.4	10.6	15.0 (11)	105
2942	R D REYNOLDS	5.0	10.3	15.0	101
2983	FRANK SNODGRASS HARDWARE	4.9	9.9	15.0 (12)	99
2997	J B HATCHER COMPANY	4.9	11.3	13.6*	102
3406	C S BRENT SEED COMPANY	3.9*	10.8	14.6*	96*
3588	C S BRENT SEED COMPANY	4.9	10.0	14.8 (13)	99
3793	CLARENCE A PEARSON	5.6	10.3	15.6 (14)	106
4706	DAVISON CHEMICAL CO WHSE OWENSBORO	5.0	10.0	16.1	102
4744	FARMERS COOPERATIVE MADISONVILLE	5.1	10.2	15.0	101
4765	GRAVES COUNTY SOIL ASSOCIATION	5.1	10.0	15.1	101
4822	CALLOWAY CO SOIL IMPROVEMENT ASSN	4.9	10.4	14.4*	100
6009	MORGAN & CRENSHAW	5.7	10.8	16.2	110
6041	ROSCOE HALL	5.3	10.0	15.3	102
6069	C S BRENT SEED COMPANY	5.9	11.3	15.2 (15)	111
6071	GENTRY MCCAULEY	5.8	10.2	16.4	108
8062	JOHNSON & ASHBY HARDWARE COMPANY	5.1	10.2	14.6 (16)	101
8094	JOE SHELLEY FEED COMPANY	4.6*	10.7	14.5*	100
8154	FRANK SNODGRASS HARDWARE	5.0	11.3	15.3	106
8129	HARLIN HAYES	4.8	10.8	14.8	102
8218	SIMPSON COUNTY SEED COMPANY	4.9	10.2	14.9	100
9040	ELWOOD LOGAN	5.4	10.2	14.4 (17)	102
<i>5 10 15S PESTICIDE</i>					
5147	KEVIL FEED & SUPPLY COMPANY (18)	4.7*	10.3	14.1*	98*
8075	BROWN SEED CLEANER	4.9	10.0	15.2	100

(1) EXCESS MURIATE EQUIVALENT TO 0.6%
 (2) EXCESS MURIATE EQUIVALENT TO 0.8%
 (3) EXCESS MURIATE EQUIVALENT TO 0.4%
 (4) EXCESS MURIATE EQUIVALENT TO 5.3%
 (5) EXCESS MURIATE EQUIVALENT TO 0.6%
 (6) EXCESS MURIATE EQUIVALENT TO 0.3%
 (7) EXCESS MURIATE EQUIVALENT TO 0.3%
 (8) EXCESS MURIATE EQUIVALENT TO 0.3%
 (9) EXCESS MURIATE EQUIVALENT TO 1.1%

(10) EXCESS MURIATE EQUIVALENT TO 0.3%
 (11) EXCESS MURIATE EQUIVALENT TO 0.4%
 (12) EXCESS MURIATE EQUIVALENT TO 1.5%
 (13) EXCESS MURIATE EQUIVALENT TO 0.6%
 (14) EXCESS MURIATE EQUIVALENT TO 1.5%
 (15) EXCESS MURIATE EQUIVALENT TO 4.3%
 (16) EXCESS MURIATE EQUIVALENT TO 0.3%
 (17) EXCESS MURIATE EQUIVALENT TO 1.1%
 (18) HEPTACHLOR GUARANTEED 0.50%-----FOUND 0.23%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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 CHEMICAL CORP CONTINUED</u>					
5 20 20M					
564	STANFORD PRODUCE	5.7	20.5	20.2	104
767	JOHNSON & HARRISON	4.9*	16.9*	17.0*	87*
3903	MOORE SEED & GRAIN COMPANY	5.2	19.0*	18.9*	97*
4680	GEORGE PATMOR & SON	5.1	21.4	18.3*	102
4740	FARMERS COOPERATIVE MADISONVILLE	5.1	21.0	19.9	103
4823	CALLOWAY CO SOIL IMPROVEMENT ASSN	4.7*	19.1*	20.4	97*
6 6 18S					
746	FARMERS MOBILE MILL STANFORD	5.4*	10.5	16.2*(1)	111
1730	CLIMAX ROLLER MILLS	7.0	7.3	17.4*(2)	110
1749	GENTRY MCCAULEY	6.2	7.0	17.4*	104
6008	MORGAN & CRENSHAW	5.1*	17.3	13.6*(3)	132
6067	C S BRENT SEED COMPANY	5.6*	6.2	17.1*(4)	96*
6070	C S BRENT SEED COMPANY	5.5*	6.8	17.0*(5)	98*
6 8 6M					
775	ALLEN COUNTY FARMERS SERVICE	5.7*	8.3	6.0	99
1617	CORBETTS FEED STORE	6.1	9.7	7.5	113
1817	BUECHEL PRODUCE EXCHANGE	5.8	8.9	8.2	109
2996	J B HATCHER COMPANY	5.9	8.8	7.8	108
3403	C S BRENT SEED COMPANY	5.2*	8.7	7.6	102
3715	FLOORES FEED STORE	5.2*	8.0	6.5	95*
3869	KENTUCKY STATE INDUSTRIAL COLLEGE	5.7*	8.5	7.7	105
4741	FARMERS COOPERATIVE MADISONVILLE	5.9	8.7	8.4	109
4797	DAVISON CHEMICAL CO WHSE OWENSBORO	5.3*	8.5	7.7	102
4879	SMITH & REYNOLDS COMPANY	5.3	11.4	8.1	117
4950	JARVIS SWEET FEED MILL	5.8	9.0	6.2	104
5111	RUARK TRUCK LINES	5.4*	8.0	7.1	98*
6118	FLOORES FEED STORE	5.2*	7.9	7.0	96*
6120	BUECHEL PRODUCE EXCHANGE	5.7*	8.8	7.4	105
6136	CORBETTS FEED STORE	5.4*	8.4	7.2	101
8001	CANEYVILLE ROLLER MILLS	5.1*	7.7*	6.4	93*
8063	JOHNSON & ASHBY HARDWARE COMPANY	5.7*	8.4	6.6	101
8157	MORGANTOWN MILLING COMPANY	5.9	7.9	6.4	100
8176	ALLEN COUNTY FARMERS SERVICE	5.5*	8.5	6.5	100
6 8 6S					
559	TARTER FEED MILL	6.0	8.4	7.1 (6)	105
786	FARMERS SUPPLY GLASGOW	5.0*	8.7	9.8 (7)	106
800	CANEYVILLE ROLLER MILLS	5.5*	8.5	6.7	101
830	HENRY DURHAM HARDWARE COMPANY	5.6*	8.3	6.1 (8)	99
1691	J H LYONS & SONS	5.7*	10.4	8.6 (9)	116
1747	GENTRY MCCAULEY	5.9	8.8	7.0 (10)	106
1819	BUECHEL PRODUCE EXCHANGE	5.9	8.1	6.9 (11)	102
2995	J B HATCHER COMPANY	5.8	9.0	6.1	104
4796	DAVISON CHEMICAL CO WHSE OWENSBORO	5.9	8.8	7.1 (12)	106
8042	R D REYNOLDS	5.9	8.3	6.6 (13)	102
8177	ALLEN COUNTY FARMERS SERVICE	5.4*	8.4	6.4	99
8181	FARMERS SUPPLY GLASGOW	5.6*	8.5	7.0 (14)	102
6 12 12M					
776	ALLEN COUNTY FARMERS SERVICE	5.8	11.9	12.5	99
936	SIMPSON COUNTY SEED COMPANY	5.8	12.5	12.0	101
2754	PHILLIP WELLS	5.8	12.7	11.5*	101
4703	DAVISON CHEMICAL CO WHSE OWENSBORO	5.5*	12.8	12.2	101
4742	FARMERS COOPERATIVE MADISONVILLE	6.0	12.5	12.5	103
4880	SMITH & REYNOLDS COMPANY	5.8	12.2	12.0	100
8073	SIMPSON COUNTY SEED COMPANY	5.5*	11.9	11.7	96*
8174	ALLEN COUNTY FARMERS SERVICE	5.0*	12.3	10.7*	93*
8216	JOHNSON & ASHBY HARDWARE	6.0	11.9	12.2	100
8 8 8M					
4884	BENNETT FARM SUPPLY	7.3*	7.9	7.1*	93*
10 10 10M					
608	STOCKTON BROTHERS	10.0	10.2	10.0	101
911	TOM FINLEY	10.1	10.9	10.4	104
996	I K MILLER & SON	9.0*	11.8	10.0	101
1943	TERRELL BRAY	9.4*	10.4	10.4	99
1972	F G BURD	10.2	11.1	10.5	106

(1) EXCESS MURIATE EQUIVALENT TO 0.6%
 (2) EXCESS MURIATE EQUIVALENT TO 0.4%
 (3) EXCESS MURIATE EQUIVALENT TO 2.7%
 (4) EXCESS MURIATE EQUIVALENT TO 0.7%
 (5) EXCESS MURIATE EQUIVALENT TO 1.3%
 (6) EXCESS MURIATE EQUIVALENT TO 1.0%
 (7) EXCESS MURIATE EQUIVALENT TO 2.6%

(8) EXCESS MURIATE EQUIVALENT TO 0.5%
 (9) EXCESS MURIATE EQUIVALENT TO 0.7%
 (10) EXCESS MURIATE EQUIVALENT TO 0.8%
 (11) EXCESS MURIATE EQUIVALENT TO 1.0%
 (12) EXCESS MURIATE EQUIVALENT TO 0.8%
 (13) EXCESS MURIATE EQUIVALENT TO 0.6%
 (14) EXCESS MURIATE EQUIVALENT TO 0.3%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>DAVISON CHEMICAL CORP CONTINUED</u>					
10 10 10M CONTINUED					
1974	FLOYD ROBERTSON	9.5*	10.9	10.4	101
2753	PHILLIP WELLS	9.7*	10.5	10.6	101
2878	SIMPSON COUNTY SEED COMPANY	9.4*	10.5	10.5	100
3794	CLARENCE A PEARSON	10.1	10.3	10.7	103
4704	DAVISON CHEMICAL CO WHSE OWENSBORO	10.0	10.2	10.0	101
4743	FARMERS COOPERATIVE MADISONVILLE	10.2	10.1	10.2	102
4881	SMITH & REYNOLDS COMPANY	9.5*	10.5	10.0	99
4891	V W ALEXANDER	9.5*	10.7	10.3	100
4939	H B LENEAVE & SON	9.6*	11.2	9.9	102
5112	RUARK TRUCK LINES	9.7	9.9	10.8	100
6042	ROSCOE HALL	9.6*	11.0	10.0	101
6087	J H LYON & SONS	9.6*	11.4	10.7	104
8008	GREENVILLE IMPLEMENT COMPANY	9.0*	11.3	10.1	100
8041	R D REYNOLDS	9.9	10.2	10.9	102
8059	JOHNSON & ASHBY HARDWARE COMPANY	9.2*	11.4	10.8	102
8096	JOE SHELLEY FEED STORE	9.2*	10.2	10.4	97*
8150	FRANK SNODGRASS HARDWARE	9.0*	11.5	9.7	100
8212	GREENVILLE IMPLEMENT COMPANY	9.3*	10.6	9.8	98*
8215	JOHNSON & ASHBY HARDWARE COMPANY	10.1	10.1	10.3	101
10 10 10M PESTICIDE					
934	SIMPSON COUNTY SEED COMPANY (1)	10.0	10.6	10.0	102
5136	GEORGE PATMOR & SON (2)	8.9*	10.7	9.9	97*
12 6 6M					
3712	HALL SEED COMPANY	11.7	6.3	6.8	101
12 12 12M					
1594	CLIMAX ROLLER MILLS	11.9	11.9	12.4	100
1618	CORBETTS FEED STORE	11.3*	12.7	12.2	99
1816	BUECHEL PRODUCE EXCHANGE	12.3	12.0	12.5	102
3402	C S BRENT SEED COMPANY	11.9	11.9	12.2	100
3771	M E SAMUELS	11.5*	12.7	12.7	101
4892	V W ALEXANDER	11.7	12.4	12.5	101
6068	C S BRENT SEED COMPANY	11.7	11.9	12.6	99
6119	BUECHEL PRODUCE EXCHANGE	12.2	12.0	13.2	103
6132	HALL SEED COMPANY	12.3	11.9	13.4	103
15 15 15M					
833	HENRY DURHAM HARDWARE COMPANY	14.8	15.0	15.0	99
1818	BUECHEL PRODUCE EXCHANGE	14.2*	14.7	14.6*	96*
2887	GILLISPIE SEED COMPANY	13.2*	13.7*	15.0	91*
3711	HALL SEED COMPANY	14.5*	14.9	14.6*	98*
3904	MOORE SEED & GRAIN COMPANY	14.2*	14.2*	14.5*	95*
5178	R H SMITH	15.2	14.7	14.3*	99
8074	SIMPSON COUNTY SEED COMPANY	13.9*	15.3	16.0	98*
8151	FRANK SNODGRASS HARDWARE	15.1	15.0	14.9	100
20 SUPERPHOSPHATE					
835	HENRY DURHAM HARDWARE COMPANY		20.2		101
995	I K MILLER & SON		19.9		100
1990	J H LYON & SONS		19.2*		96*
2797	FARMERS SUPPLY GLASGOW		21.0		105
2877	SIMPSON COUNTY SEED COMPANY		20.2		102
3708	ASHBORNE FARMS		20.7		103
4735	FARMERS COOPERATIVE MADISONVILLE		21.1		105
4774	GALLOWAY SEED COMPANY		19.9		100
4798	DAVISON CHEMICAL CO WHSE OWENSBORO		19.9		100
4883	BENNETT FARM SUPPLY		19.9		100
4988	SALEM FEED & SEED COMPANY		20.7		103
8077	BROWN SEED CLEANER		20.2		101
20 SUPERPHOSPHATE 4 LB BORAX PER 100 (3)					
2952	GILLISPIE SEED COMPANY		19.8		99
45 TRIPLE SUPERPHOSPHATE					
2884	GILLISPIE SEED COMPANY		44.1*		98*
5145	CAMPBELLS MILL		45.4		101
6044	T F KEENE & SONS		43.3*		96*
50 SULFATE OF POTASH					
5002	CERULEAN SEED & FEED STORE			50.0 (4)	100

(1) HEPTACHLOR GUARANTEED 0.50%-----FOUND 0.29%
 (2) HEPTACHLOR GUARANTEED 0.50%-----FOUND 0.26%
 (3) SEE BORON TABLE PAGE 70
 (4) EXCESS MURIATE EQUIVALENT TO 0.6%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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 CHEMICAL CORP CONTINUED</u>					
	60 MURIATE OF POTASH				
2885	GILLISPIE SEED COMPANY			60.4	101
5003	CERULEAN SEED & FEED STORE			58.7*	98*
<u>E TOWN FERTILIZER COMPANY</u>					
	0 20 20M				
857	E TOWN FERTILIZER COMPANY		22.0	18.3*	104
969	E TOWN FERTILIZER COMPANY		19.4*	20.3	99
	2 12 6M				
866	E TOWN FERTILIZER COMPANY	2.1	12.1	6.3	102
	3 12 12M				
858	E TOWN FERTILIZER COMPANY	3.5	12.1	12.5	105
	4 12 8M				
856	E TOWN FERTILIZER COMPANY	4.5	11.5*	8.4	102
	4 16 16M				
864	E TOWN FERTILIZER COMPANY	4.2	17.5	16.8	107
	4 24 12M				
861	E TOWN FERTILIZER COMPANY	4.5	24.8	12.7	105
	5 10 10M				
860	E TOWN FERTILIZER COMPANY	5.4	9.9	10.6	104
	5 10 15S				
854	E TOWN FERTILIZER COMPANY	5.8	10.5	15.1	107
863	E TOWN FERTILIZER COMPANY	5.8	10.2	15.5	107
	5 20 20M				
865	E TOWN FERTILIZER COMPANY	5.5	20.5	19.7	103
	6 8 6M				
855	E TOWN FERTILIZER COMPANY	6.7	9.4	7.0	115
	6 8 6S				
859	E TOWN FERTILIZER COMPANY	6.3	8.8	6.4	107
	10 10 10M				
862	E TOWN FERTILIZER COMPANY	10.1	10.1	10.3	101
<u>FARMERS FERTILIZER COMPANY</u>					
	2 12 6M				
2845	SOUTHERN STATES BOWLING GREEN COOP	2.1	12.1	7.5	106
	3 9 6M				
2846	SOUTHERN STATES BOWLING GREEN COOP	3.2	9.4	8.2	111
	4 12 8M				
2867	SAM NAHM & COMPANY	3.7*	11.6*	12.6	107
8183	ARVIN CAPPS	4.0	12.6	8.4	104
	5 10 10M				
8186	FARMERS FERTILIZER COMPANY	4.9	10.8	10.2	103

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>FARMERS FERTILIZER COMPANY CONTINUED</u>					
8185	5 10 15S FARMERS FERTILIZER COMPANY	4.9	10.4	15.0	101
8070	12 12 12M GILLISPIE SEED COMPANY	12.3	12.6	11.7	103
2881	60 MURIATE OF POTASH SIMPSON COUNTY SEED COMPANY			60.2	100
8184	MIXED TO ORDER PARKER MILLER (1)		13.9*	15.3	96*
8187	PEARSON & PEARSON		11.3*	31.0	99
8188	JAMES R HUGHES	5.3	12.4	6.6	108
<u>FEDERAL CHEMICAL COMPANY</u>					
0 9 27 WITH 5 LBS BORAX PER 100 (2)					
428	OTHO MCWHORTER		10.1	25.4*	101
1753	E C COLEMAN		10.1	24.1*	98*
3991	FEDERAL CHEMICAL CO WHSE LEXINGTON		9.3	24.5*	96*
4847	FEDERAL CHEMICAL CO WHSE HENDERSON		9.7	27.5	104
5101	W C BROOKS		9.1	27.0	100
8026	WARREN ELEVATORS		9.1	27.5	102
8204	ARVIN MCCAIN		9.2	26.7	100
0 20 20M					
756	A J MOORE		20.4	19.2*	100
917	ARVIN MCCAIN		20.0	20.4	101
1810	HALL SEED COMPANY		19.9	19.2*	98*
2722	WARREN ELEVATORS		19.3*	20.1	98*
2790	GABBARD FEED MARKET		17.6*	21.8	95*
2872	J W EDWARDS & SON		21.4	19.6	104
2963	ARVIN MCCAIN		20.1	18.0*	97*
2980	SHAKER FEED & SEED COMPANY		20.1	18.9*	99
3984	FEDERAL CHEMICAL CO WHSE LEXINGTON		19.7	19.9	99
4722	WYNDALLS FARM STORE		19.3*	19.1*	96*
4848	FEDERAL CHEMICAL CO WHSE HENDERSON		19.1*	20.1	97*
4952	TRUMAN ATHERTONS GROCERY		19.3*	20.0	98*
4964	FARMERS & BUYERS STORE FORDSVILLE		19.0*	20.1	97*
8016	ARVIN MCCAIN		20.9	20.2	103
8031	WARREN ELEVATORS		20.4	20.0	101
2 12 6M					
1607	HARDY BROTHERS MILL	3.1	9.8*	8.9	105
1907	HARDY BROTHERS MILL	2.4	12.1	6.0	104
2703	GABBARD FEED MARKET	2.9	11.4*	6.4	105
3999	GRAYSON MILLING COMPANY	2.4	11.9	6.3	104
5095	W C BROOKS	2.7	11.4*	7.5	107
5119	EVERETT WOOSLEY GENERAL STORE	2.4	11.9	7.1	106
8169	J W EDWARDS & SON	2.8	10.8*	8.8	108
8223	H D JONES	2.5	12.0	7.3	108
3 9 6M					
644	TRIPLETTS STORE	3.4	9.1	6.3	105
1913	VERONA GARAGE	3.7	9.4	8.7	117
1989	THE BIG STORE	3.0	12.0	8.0	124
2705	GABBARD FEED MARKET	3.2	10.3	7.8	115
3602	A C BOGIE	3.4	9.5	7.0	110
3807	BREWER & BEASLEY	2.9	9.8	6.7	106
3817	BIG SANDY WHOLESALE COMPANY	3.5	9.3	6.8	109
3820	FAULKNER SUPERMARKET	3.5	9.5	6.9	110
5025	KUTTAWA FEED & SEED COMPANY	3.5	9.0	6.4	106
5120	EVERETT WOOSLEY GENERAL STORE	3.6	9.9	8.2	118
6086	THE BIG STORE	3.3	9.4	6.9	108
3 9 18M					
4953	TRUMAN ATHERTONS GROCERY	3.1	10.4	16.2*	103

(1) SEE BORON TABLE PAGE 70

(2) SEE BORON TABLE PAGE 70

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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 CONTINUED</u>					
3 9 27M					
1678	VICTOR E FISTER	33	94	26.1*	101
4837	FEDERAL CHEMICAL CO WHSE HENDERSON	35	92	26.8	103
3 12 6M					
5096	W C BROOKS	33	114*	6.8	101
3 12 12M					
435	A B SHEARER	32	113*	122	99
666	DIXIE FEED COMPANY	26*	116*	127	97*
752	A J MOORE	30	116*	121	98*
822	TAYLOR CO IMPLEMENT & FEED COMPANY	42	116*	113*	105
1937	JAMES HOPKINS	28	12.8	113*	101
1970	BENSON VALLEY MILLING COMPANY	32	12.4	116*	102
2936	UPTON SWEET FEED MILL	35	12.1	125	105
3599	A C BOGIE	37	113*	122	102
3808	BREWER & BEASLEY	36	119	114*	102
3819	BIG SANDY WHOLESALE COMPANY	31	120	125	102
3947	SHELBY MURPHY	32	11.4*	120	99
3987	FEDERAL CHEMICAL CO WHSE LEXINGTON	31	115*	122	99
4720	WYNDALLS FARM STORE	29	115*	118	97*
4850	FEDERAL CHEMICAL CO WHSE HENDERSON	30	123	121	102
4885	ORRS GROCERY	30	115*	120	98*
4954	TRUMAN ATHERTONS GROCERY	31	113*	118	97*
5115	EVERETT WOOSLEY GENERAL STORE	33	129	119	106
6111	BENSON VALLEY MILLING COMPANY	35	115*	120	101
4 12 8M					
607	STOCKTON BROTHERS	39	10.1*	10.8	97*
646	TRIPLETTS STORE	42	122	82	103
656	BECHAM GARLAND	42	121	88	104
778	PARIS PRODUCE COMPANY	46	121	85	106
824	TAYLOR CO IMPLEMENT & FEED COMPANY	42	121	83	103
939	GILLISPIE SEED COMPANY	41	122	83	102
958	J W ARGABRIGHT	40	120	84	101
1608	HARDY BROTHERS MILL	39	12.7	120	112
1780	ALBERT YATES & SON	41	120	90	103
2700	GABBARD FEED MARKET	39	11.2*	82	96*
2721	WARREN ELEVATORS	31*	12.4	11.8	104
2740	CARL HAGMAN	40	12.6	89	105
2778	ARVIN MCCAIN	44	119	86	104
2815	THOMERSON MILLING COMPANY	41	11.8	87	101
2851	SHAKER FEED & SEED COMPANY	45	119	83	104
2874	J W EDWARDS & SON	4.6	11.6*	9.8	106
2895	PARIS PRODUCE COMPANY	4.4	11.5*	9.7	104
3568	LLOYD ALEXANDER	4.4	12.0	85	104
3905	BARNETTS FEED STORE	4.1	11.6*	8.0	99
3946	SHELBY MURPHY	3.9	12.0	8.0	99
3954	MEADE & COMPANY	4.4	12.4	8.4	105
4724	WYNDALLS FARM STORE	4.4	11.9	8.7	104
4886	ORRS GROCERY	4.4	12.0	8.7	104
4912	CLINTON HATCHERY	4.5	11.9	8.6	104
4937	CANTERS GROCERY	4.1	12.0	8.7	102
4945	J R WALLACE	3.8	12.6	11.9	110
5017	PRICES MARKET	4.1	12.4	9.5	106
5067	MILBURN MILL	4.4	11.6*	8.8	103
5116	EVERETT WOOSLEY GENERAL STORE	4.2	12.1	8.5	103
5152	JACKSON BROTHERS GENERAL MERCHANDISE	4.1	11.9	9.0	103
6017	BURGESS BROTHERS FEED MILL	4.0	11.8	11.2	106
8032	WARREN ELEVATORS	4.5	12.0	8.0	103
8112	U L ROGERS & SON	3.9	12.0	8.2	100
8168	J W EDWARDS & SON	4.0	10.0*	8.0	91*
8233	UPTON SWEET FEED MILL	4.1	12.8	8.9	106
4 16 16M					
919	ARVIN MCCAIN	4.6	16.4	16.0	104
1751	E C COLEMAN	4.1	15.2*	15.4*	97*
1774	SMITH CARRICO	4.2	14.6*	15.8	96*
3880	CROWLEY BROTHERS GARAGE	4.3	15.5*	15.6*	99
3989	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.4	14.8*	15.9	98*
4723	WYNDALLS FARM STORE	4.0	14.8*	15.9	96*
4843	FEDERAL CHEMICAL CO WHSE HENDERSON	4.0	15.7	15.1*	98*
4955	TRUMAN ATHERTONS GROCERY	4.2	14.6*	14.3*	94*
5182	HOWE HILLIARD GRAIN COMPANY	4.1	15.8	15.7	99

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>					
4 24 12M					
2816	THOMERSON MILLING COMPANY	3.9	18.7*	13.4	87*
4844	FEDERAL CHEMICAL CO WHSE HENDERSON	3.9	24.4	10.5*	99
5 10 10M					
665	DIXIE FEED COMPANY	4.5*	10.4	9.2*	97*
757	A J MOORE	5.4	11.0	10.5	108
779	PARIS PRODUCE COMPANY	5.5	10.7	10.9	108
783	BOBBY COX GROCERY	5.3	9.9	10.0	102
2777	ARVIN MCCAIN	5.7	11.0	10.6	110
3818	BIG SANDY WHOLESALE COMPANY	5.5	10.0	10.3	104
3990	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.7*	9.9	9.5*	96*
4725	WYNDALLS FARM STORE	4.9	10.2	9.9	100
4965	FARMERS & BUYERS STORE FORDSVILLE	5.1	9.9	9.9	100
5 10 10S					
754	A J MOORE	5.1	11.1	10.2 (1)	106
918	ARVIN MCCAIN	5.2	10.1	9.6*	101
3985	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.5*	10.1	9.3*	96*
5097	W C BROOKS	4.9	11.0	10.0 (2)	104
8068	SHAKER FEED & SEED COMPANY	5.1	10.0	13.2 (3)	108
5 10 15S					
426	OTHO MCWHORTER	5.4	9.9	11.3*(4)	95*
433	W C HORTON	4.7*	10.5	15.4 (5)	101
504	BRAD REYNOLDS	4.9	10.5	15.0	101
517	FIECHTER HARDWARE COMPANY	4.7*	10.4	16.0	102
556	G T BALLARD COMPANY	4.6*	10.5	15.0	100
629	MONTGOMERY GROCERY	4.9	10.1	15.1	100
657	BECHAM GARLAND	5.1	11.3	14.4*	105
753	A J MOORE	5.1	10.3	14.2*	100
780	PARIS PRODUCE COMPANY	5.4	10.0	14.3*(6)	101
811	THOMERSON MILLING COMPANY	4.6*	9.9	15.7 (7)	99
1599	P J HONAKER	4.7*	11.8	15.0	105
1606	HARDY BROTHERS MILL	5.1	10.5	15.1	103
1640	CARTERS SUPPLY COMPANY	5.0	9.9	15.8	101
1643	BENSON VALLEY MILLING COMPANY	4.8	10.1	15.7	101
1750	LOGAN RICKETTS	4.9	10.0	16.2	102
1781	ALBERT YATES & SON	4.6*	10.2	16.0	100
1858	BUFORD MARTIN	5.0	10.2	15.3	101
1897	MORRISON KAVANAUGH	4.3*	9.3*	20.7 (8)	104
1957	L O HARRIS & SONS	4.7*	10.1	15.4	99
2699	GABBARD FEED MARKET	3.8*	12.0	9.8*(9)	90*
2738	CARL HAGMAN	5.1	10.4	15.0 (10)	102
2783	ARVIN MCCAIN	5.1	11.0	13.9*	102
2791	GABBARD FEED MARKET	4.8	11.1	13.4*	100
2817	THOMERSON MILLING COMPANY	4.1*	12.2	10.9*(11)	95*
2873	J W EDWARDS & SON	4.7*	11.0	14.4*	101
2977	GABBARD FEED MARKET	4.8	10.9	15.4	103
3383	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.2	10.3	15.8 (12)	104
3407	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.1	10.2	15.7	103
3567	LLOYD ALEXANDER	4.8	10.4	15.0 (13)	100
4721	WYNDALLS FARM STORE	5.3	10.0	14.4*	101
4851	FEDERAL CHEMICAL CO WHSE HENDERSON	4.8	10.7	15.0 (14)	102
4956	TRUMAN ATHERTONS GROCERY	6.0	10.4	14.3*(15)	106
4966	FARMERS & BUYERS STORE FORDSVILLE	4.9	10.6	13.6*(16)	99
5047	SOLOM HENDRICKS GENERAL MERCHANDISE	4.7*	10.3	15.3 (17)	100
5121	EVERETT WOOSLEY GENERAL STORE	5.1	10.2	14.6*(18)	101
5143	KUTTAWA FEED & SEED COMPANY	5.4	10.0	14.6*(19)	102
5153	JACKSON BROTHERS GENERAL MERCHANDISE	4.9	10.3	14.6*	100
5160	CRAWFORD & FERGUSON HARDWARE	5.0	10.3	14.5*(20)	100
8170	GILLISPIE SEED COMPANY	4.7*	10.1	13.9*	96*
8222	H D JONES	4.9	9.9	15.4	100
5 10 15S PESTICIDE					
8017	ARVIN MCCAIN (21)	5.2	10.4	14.5*	102
8027	WARREN ELEVATORS (22)	5.0	10.0	14.9 (23)	100
8203	ARVIN MCCAIN (24)	4.9	9.9	15.0 (25)	99

- (1) EXCESS MURIATE EQUIVALENT TO 0.6%
 (2) EXCESS MURIATE EQUIVALENT TO 0.6%
 (3) EXCESS MURIATE EQUIVALENT TO 1.9%
 (4) EXCESS MURIATE EQUIVALENT TO 2.9%
 (5) EXCESS MURIATE EQUIVALENT TO 1.3%
 (6) EXCESS MURIATE EQUIVALENT TO 0.4%
 (7) EXCESS MURIATE EQUIVALENT TO 0.5%
 (8) EXCESS MURIATE EQUIVALENT TO 0.8%
 (9) EXCESS MURIATE EQUIVALENT TO 1.5%
 (10) EXCESS MURIATE EQUIVALENT TO 2.5%
 (11) EXCESS MURIATE EQUIVALENT TO 1.1%
 (12) EXCESS MURIATE EQUIVALENT TO 0.9%
 (13) EXCESS MURIATE EQUIVALENT TO 0.7%

- (14) EXCESS MURIATE EQUIVALENT TO 1.5%
 (15) EXCESS MURIATE EQUIVALENT TO 0.3%
 (16) EXCESS MURIATE EQUIVALENT TO 0.5%
 (17) EXCESS MURIATE EQUIVALENT TO 0.8%
 (18) EXCESS MURIATE EQUIVALENT TO 0.8%
 (19) EXCESS MURIATE EQUIVALENT TO 1.4%
 (20) EXCESS MURIATE EQUIVALENT TO 0.3%
 (21) HEPTACHLOR GUARANTEED 0.50%-----FOUND 0.43%
 (22) HEPTACHLOR GUARANTEED 0.50%-----FOUND 0.70%
 (23) EXCESS MURIATE EQUIVALENT TO 1.6%
 (24) HEPTACHLOR GUARANTEED 0.50%-----FOUND 0.13%
 (25) EXCESS MURIATE EQUIVALENT TO 1.3%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>FEDERAL CHEMICAL COMPANY CONTINUED</i>	(Percent)	(Percent)	(Percent)	
5155	6 12 12M PESTICIDE JACKSON BROTHERS GENERAL MERCHANDISE ⁽¹⁾	5.7*	11.7	12.1	97*
916	8 8 8M ARVIN MCCAIN	7.3*	9.2	8.4	101
3877	BROOKS SERVICE STATION	7.9	8.7	8.3	103
5046	GORES STORE	7.6*	8.6	8.0	100
4839	8 16 16M FEDERAL CHEMICAL CO WHSE HENDERSON	8.4	15.0*	16.1	99
5099	W C BROOKS	7.8	14.9*	15.9	96*
3994	8 24 16M FEDERAL CHEMICAL CO WHSE LEXINGTON	7.6*	23.6	16.6	98*
4846	FEDERAL CHEMICAL CO WHSE HENDERSON	7.2*	24.4	15.2	98*
5060	WARREN SEED COMPANY	7.2*	20.8*	15.6*	90*
5100	W C BROOKS	7.2*	23.2*	16.0	95*
8071	GILLISPIE SEED COMPANY	7.2*	22.0*	16.0	93*
4840	8 32 0 FEDERAL CHEMICAL CO WHSE HENDERSON	8.0	29.3*		94*
434	10 10 10M W C HORTON	8.9*	9.7*	14.1	100
784	BOBBY COX GROCERY	10.0	10.2	10.2	101
1665	FREEMAN HOCKENSMITH	9.9	9.9	10.7	100
1670	J B BOSTON	8.7*	10.3	10.9	96*
1752	E C COLEMAN	9.6*	10.2	10.9	102
1758	WILLIAM G WILLIS	10.0	10.2	10.5	102
1898	HERBERT WEBB	9.3*	10.7	10.7	100
2720	WARREN ELEVATORS	9.9	9.8	10.8	100
2739	CARL HAGMAN	9.5*	10.6	9.9	99
2779	ARVIN MCCAIN	9.4*	11.0	10.5	101
3565	LLOYD ALEXANDER	9.4*	11.2	10.2	101
3710	HALL SEED COMPANY	10.1	10.3	9.5*	101
3809	BREWER & BEASLEY	8.1*	11.0	10.2	94*
3846	P J HONAKER	9.4*	9.9	10.7	98*
3907	BARNETTS FEED STORE	7.4*	10.5	10.7	90*
3948	SHELBY MURPHY	10.0	10.2	10.2	101
4726	WYNDALLS FARM STORE	9.5*	10.6	10.0	100
4841	FEDERAL CHEMICAL CO WHSE HENDERSON	9.4*	10.6	10.5	100
4887	ORRS GROCERY	9.5*	10.5	9.7	99
4968	FARMERS & BUYERS STORE FORDSVILLE	9.5*	10.6	10.3	100
5016	PRICES MARKET	10.2	10.1	9.9	101
5027	KUTTAWA FEED & SEED COMPANY	9.4*	9.9	10.8	98*
5049	SOLON HENDRICKS GENERAL MERCHANDISE	7.9*	11.0	10.8	94*
5113	RUARK TRUCK LINES	10.8	9.9	9.9	104
5181	MAYFIELD SWEET FEED MILL	8.5*	10.2	10.2	94*
6043	SMITH BROTHERS	10.1	10.0	11.2	103
6085	THE BIG STORE	10.4	9.9	10.4	102
8028	WARREN ELEVATORS	10.1	10.0	10.0	101
8113	U L ROGERS & SON	10.0	10.0	10.8	101
695	12 12 12M NELSON ALEXANDER	10.8*	12.4	12.7	97*
950	HARDIN COUNTY MILLING COMPANY	10.6*	12.2	12.2	95*
3385	FEDERAL CHEMICAL CO WHSE LEXINGTON	9.0*	11.3*	15.9	91*
3908	BARNETTS FEED STORE	9.2*	13.4	11.5*	92*
3986	FEDERAL CHEMICAL CO WHSE LEXINGTON	9.6*	13.4	11.6*	93*
4852	FEDERAL CHEMICAL CO WHSE HENDERSON	10.6*	13.1	12.5	98*
5146	CAMPBELLS MILL	10.6*	11.9	12.0	94*
2719	16 8 8M WARREN ELEVATORS	15.2*	10.0	8.6	103
2781	ARVIN MCCAIN	13.9*	10.0	9.3	99
2962	ARVIN MCCAIN	13.1*	9.5	8.4	93*
4842	FEDERAL CHEMICAL CO WHSE HENDERSON	15.4*	8.8	8.3	100
4888	ORRS GROCERY	13.2*	10.0	8.4	94*
8029	WARREN ELEVATORS	15.1*	9.3	8.5	101
5028	33 5 AMMONIUM NITRATE KUTTAWA FEED & SEED COMPANY	33.5			100

(1) HEPTACHLOR GUARANTEED 0.50%-----FOUND 0.30%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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
FEDERAL CHEMICAL COMPANY CONTINUED		(Percent)	(Percent)	(Percent)	
5 20 20M					
694	NELSON ALEXANDER	5.0	165*	185*	89*
810	THOMERSON MILLING COMPANY	4.4*	165*	182*	86*
871	HARDIN COUNTY MILLING COMPANY	4.9	17.7*	18.9*	92*
1760	GAYLE RODGERS	5.2	19.0*	20.2	98*
2794	H D JONES	5.1	20.2	18.2*	99
3993	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.9	19.4*	19.4*	97*
4838	FEDERAL CHEMICAL CO WHSE HENDERSON	4.8	19.1*	20.2	98*
5098	W C BROOKS	4.8	18.8*	20.9	97*
6 6 18S					
1641	CARTERS SUPPLY COMPANY	6.0	6.6	17.6*	102
1642	BENSON VALLEY MILLING COMPANY	5.7*	6.2	17.6*	98*
1664	FREEMAN HOCKENSMITH	6.1	6.3	17.4*	101
1671	J B BOSTON	5.7*	6.4	18.0	100
1895	HERBERT WEBB	5.9	7.0	17.6*	103
1900	LUCIEN PENN	6.1	6.3	17.6*	101
1912	VERONA GARAGE	5.6*	6.7	16.4*(1)	97*
3566	LLOYD ALEXANDER	5.1*	8.3	16.4*(2)	101
3576	FEDERAL CHEMICAL CO WHSE LEXINGTON	6.9	10.4	17.2*(3)	122
3601	A C BOGIE	5.7*	6.4	17.6*	99
3995	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.9	7.1	17.8	104
6018	BURGESS BROTHERS FEED MILL	5.5*	7.1	18.0	101
6032	VERONA GARAGE	5.8	6.9	18.0	103
6 8 6M					
645	TRIPLETT'S STORE	5.9	8.2	6.2	101
1824	CAMP TAYLOR FEED STORE	5.1*	9.8	8.9	110
2704	GABBARD FEED MARKET	6.8	8.9	6.4	112
2780	ARVIN MCCAIN	5.9	9.4	8.6	113
3575	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.4*	8.9	8.8	107
3806	BREWER & BEASLEY	5.5*	8.4	6.2	99
3821	FAULKNER SUPERMARKET	5.8	8.2	6.7	101
3983	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.8	8.3	6.3	101
4946	J R WALLACE	5.2*	9.8	7.5	107
4957	TRUMAN ATHERTONS GROCERY	6.2	8.1	7.5	106
5026	KUTTAWA FEED & SEED COMPANY	5.9	7.9	8.0	104
5114	CARLISLE & ABNER	6.4	9.0	7.6	112
5122	EVERETT WOOSLEY GENERAL STORE	5.6*	8.6	7.0	103
6031	VERONA GARAGE	6.0	8.2	6.7	103
6131	HALL SEED COMPANY	5.9	7.6*	7.0	100
8015	ARVIN MCCAIN	6.1	8.5	6.4	104
8114	U L ROGERS & SON	5.7*	7.9	6.8	99
6 8 6S					
505	BRAD REYNOLDS	6.1	10.3	9.6 (4)	121
557	C T BALLARD & COMPANY	5.7*	9.0	7.1 (5)	106
755	A J MOORE	5.9	8.4	6.3 (6)	102
823	TAYLOR COUNTY IMPLEMENT & FEED CO	5.4*	9.4	11.6 (7)	117
1644	BENSON VALLEY MILLING COMPANY	5.7*	7.9	7.1	100
1930	O F WOOD	5.8	9.3	7.0 (8)	108
1969	BENSON VALLEY MILLING COMPANY	6.0	8.1	6.7 (9)	102
3384	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.4*	9.5	9.0 (10)	111
3600	A C BOGIE	5.8	8.7	6.9 (11)	104
3810	BREWER & BEASLEY	5.8	8.4	7.5	104
4845	FEDERAL CHEMICAL CO WHSE HENDERSON	5.7*	8.7	6.6 (12)	103
6030	VERONA GARAGE	5.3*	8.7	6.2	99
6 8 8M					
5045	GORES STORE	9.7	9.6	9.6	138
6 12 12M					
777	PARIS PRODUCE COMPANY	6.1	11.9	12.0	100
915	ARVIN MCCAIN	6.7	12.2	12.2	105
2782	ARVIN MCCAIN	5.7*	12.1	11.4*	98*
3906	BARNETT'S FEED STORE	5.9	11.9	13.0	101
3996	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.5*	12.1	13.2	100
4913	CLINTON HATCHERY	6.1	11.9	12.0	100
4947	J R WALLACE	6.0	12.0	12.0	100
5037	YOUNG FEED & GRAIN COMPANY	6.0	12.0	13.4	103
5048	OLON HENDRICKS GENERAL MERCHANDISE	6.0	11.4*	12.2	98*
5154	JACKSON BROTHERS GENERAL MERCHANDISE	5.8	11.9	11.9	98*
8030	WARREN ELEVATORS	6.0	12.2	12.6	102

(1) EXCESS MURIATE EQUIVALENT TO 0.4% (7) EXCESS MURIATE EQUIVALENT TO 0.5%
 (2) EXCESS MURIATE EQUIVALENT TO 1.9% (8) EXCESS MURIATE EQUIVALENT TO 0.8%
 (3) EXCESS MURIATE EQUIVALENT TO 5.7% (9) EXCESS MURIATE EQUIVALENT TO 0.8%
 (4) EXCESS MURIATE EQUIVALENT TO 2.2% (10) EXCESS MURIATE EQUIVALENT TO 2.5%
 (5) EXCESS MURIATE EQUIVALENT TO 0.7% (11) EXCESS MURIATE EQUIVALENT TO 0.4%
 (6) EXCESS MURIATE EQUIVALENT TO 0.6% (12) EXCESS MURIATE EQUIVALENT TO 0.7%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>FEDERAL CHEMICAL COMPANY CONTINUED</u>					
	20 SUPERPHOSPHATE				
427	OTHO MCWHORTER		20.0		100
1783	LYNN FLOOD		19.8		99
1911	VERONA GARAGE		20.9		105
2702	GABBARD FEED MARKET		17.2*		86*
4000	GRAYSON MILLING COMPANY		20.8		104
4963	FARMERS & BUYERS STORE FORDSVILLE		20.3		102
5117	EVERETT WOOSLEY GENERAL STORE		20.4		102
	46 TRIPLE SUPERPHOSPHATE				
4849	FEDERAL CHEMICAL CO WHSE HENDERSON		45.4		99
5059	WARREN SEED COMPANY		40.4*		88*
	50 SULFATE OF POTASH				
3845	P J HONAKER			50.5	101
4967	FARMERS & BUYERS STORE FORDSVILLE			50.0	100
	51 SULFATE OF POTASH				
5118	EVERETT WOOSLEY GENERAL STORE			49.0*	96*
	60 MURIATE OF POTASH				
3988	FEDERAL CHEMICAL CO WHSE LEXINGTON			60.0	100
<u>FERTILENE CORPORATION OF AMERICA</u>					
	32 NITROGEN SOLUTION NO 32				
924	LILLY BROTHERS SEED COMPANY	29.9*			93*
<u>GRACE CHEMICAL COMPANY</u>					
	82 ANHYDROUS AMMONIA				
6051	E TOWN ANHYDROUS AMMONIA COMPANY	82.0			100
6053	MAGINNIS NITROGEN SERVICE	82.0			100
6054	MIDSOUTH CHEMICAL COMPANY	82.0			100
6055	STULL BROTHERS	82.0			100
6057	TERRY THOMPSON	82.0			100
6064	ELKTON AMMONIA INC	82.0			100
6065	COMMONWEALTH FERTILIZER COMPANY	82.0			100
	UREA				
4795	DAVISON CHEMICAL COMPANY WAREHOUSE	44.9			100
<u>HUTSON CHEMICAL COMPANY</u>					
	3 12 12M				
5052	V G SMITH	3.2	11.4*	12.7	100
	4 12 8M				
4804	HUTSON CHEMICAL COMPANY	4.1	12.1	8.3	102
5018	LYON COUNTY SOIL IMPROVEMENT ASSN	4.0	11.4*	8.9	99
5051	V G SMITH	4.0	11.9	8.8	101
5077	LIVINGSTON COUNTY COOP SOIL IMP ASSN	4.2	11.9	9.4	104
5164	TRIGG COUNTY SOIL IMPROVEMENT COOP	4.0	11.9	9.0	102
5185	HOWE HILLIARD GRAIN COMPANY	4.3	11.7	9.2	103
	4 12 8M PESTICIDE				
5050	V G SMITH (1)	3.8	11.7	7.9	97*
	5 10 15S				
4806	HUTSON CHEMICAL COMPANY	4.7*	10.2	15.4	100
5063	HANELINES GROCERY	4.6*	9.8	15.5	98*

(1) ALDRIN GUARANTEED 1.0%-----FOUND 0.77%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>					
5062	5 20 20M HUTSON CHEMICAL COMPANY	4.6*	18.5*	18.8*	93*
4807	6 12 12M HUTSON CHEMICAL COMPANY	5.8	13.0	12.7	104
5019	LYON COUNTY SOIL IMPROVEMENT ASSN	5.4*	11.9	13.3	99
5053	V G SMITH	5.9	11.9	11.9	99
5061	HUTSON CHEMICAL COMPANY	5.5*	12.7	12.3	100
3913	12 12 12M FARMERS GIN COMPANY	10.8*	12.7	11.7	97*
5054	V G SMITH	11.8	12.8	11.9	101
4805	20 SUPERPHOSPHATE HUTSON CHEMICAL COMPANY		21.4		107
4766	50 SULFATE OF POTASH GRAVES COUNTY SOIL ASSOCIATION			50.5 (1)	101
4808	HUTSON CHEMICAL COMPANY			49.5*	99
4921	60 MURIATE OF POTASH MOORE SEED & GRAIN COMPANY			60.2	100
<u>HYDROPONIC CHEMICAL COMPANY INC</u>					
591	7 6 19 FERGUSON BROTHERS	7.4	7.7	20.4	112
<u>INTERNATIONAL MINERAL & CHEM CORP</u>					
884	0 12 12M U L ROGERS & SON		12.2	12.5	103
2840	U L ROGERS & SON		12.4	13.1	105
2839	0 14 7M U L ROGERS & SON		13.6*	8.7	103
8109	0 19 19M WITH 5 LBS BORAX PER 100 U L ROGERS & SON (2)		18.9	19.1	100
560	0 20 20M W S ALLEN		19.1*	20.5	98*
590	LEWIS WHOLESAL COMPANY		20.7	19.9	102
943	J W EDWARDS & SON		19.5*	20.8	100
1939	FARM EQUIPMENT COMPANY BEDFORD		19.5*	21.5	101
4927	W B ROBINSON		20.2	20.5	102
8002	FARMERS FEED STORE CENTRAL CITY		20.9	20.3	104
458	2 12 6M G M SANDIDGE	2.2	12.3	7.0	106
1000	WOODSON LEWIS	2.1	12.1	6.3	102
2876	J W EDWARDS & SON	2.2	12.6	6.2	106
8050	SOUTHERN STATES BOWLING GREEN COOP	2.3	12.1	7.0	106
8091	EDWARD BRYANT	2.6	11.6*	8.6	110
540	3 9 6M HARLAN FRUIT COMPANY	3.0	9.3	6.4	103
659	MCCARTY FARM SERVICE	3.0	9.5	6.0	103
701	LEWIS WHOLESAL COMPANY	3.1	9.2	6.1	102
906	JACK SHIVLEY	2.9	8.5*	6.3	97*
3696	C W GREER	2.4*	7.8*	5.8	87*
8003	FARMERS FEED STORE CENTRAL CITY	3.2	8.9	6.2	102
8051	SOUTHERN STATES BOWLING GREEN COOP	3.1	9.2	6.5	104

(1) EXCESS MURIATE EQUIVALENT TO 0.6%

(2) SEE BORON TABLE PAGE 71

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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)	
INTER MINERAL & CHEM CORP CONTINUED					
3 9 18M					
4928	W B ROBINSON	3.4	9.3	17.5*	103
3 12 12M					
423	FERGUSON BROTHERS	2.9	12.7	12.0	102
457	G M SANDIDGE	3.1	12.0	13.7	104
718	ALBANY PRODUCE COMPANY	3.1	11.7	12.7	101
731	FARMERS SUPPLY COMPANY SOMERSET	3.0	11.7	12.8	100
944	J W EDWARDS & SON	3.0	12.5	11.1*	100
1862	RALPH MALCOMB	3.5	11.9	13.1	105
3542	J T LAWSON HARDWARE COMPANY	2.9	11.8	12.7	100
3626	BAKER & HULLEY	2.8	11.5*	11.9	96*
3729	DAWSON FEED & SUPPLY	2.9	11.8	13.1	101
8006	FARMERS FEED STORE CENTRAL CITY	3.1	12.3	11.9	102
8110	U L ROGERS & SON	3.0	11.7	12.6	100
9008	PARSON FARM SUPPLY	3.1	12.6	12.5	104
9014	BAKER & HULLEY	2.8	12.0	12.1	99
4 12 8M					
424	FERGUSON BROTHERS	3.9	11.7	8.4	99
479	J H STULL & SONS	3.9	11.9	8.2	99
561	MURPHY & PHILLIPS	3.9	11.8	8.0	98*
588	CHAMPION STORES WAREHOUSE	3.9	12.7	8.3	103
623	MT VERNON PRODUCE COMPANY	4.0	12.0	8.3	101
668	HARLAN FRUIT COMPANY	4.1	12.6	8.1	104
1867	DAWSON FEED & SUPPLY	3.9	12.3	8.7	102
2954	LANDERS HARDWARE COMPANY	4.1	12.3	8.0	102
2967	TODD COUNTY SEED COMPANY	3.9	12.8	8.1	103
3573	OWINGSVILLE FARMERS SUPPLY	4.2	11.4*	8.2	99
4750	PRINCETON MILLS	4.1	12.4	8.5	104
4902	HUNT BROTHERS	4.1	12.0	8.1	101
4932	W B ROBINSON	4.1	12.1	8.2	102
4940	R D SANDERFUR	4.0	12.3	8.1	102
8069	SHAKER FEED & SEED COMPANY	4.4	11.5*	8.6	102
8093	EDWARD BRYANT	4.0	12.1	8.4	101
8111	U L ROGERS & SON	3.9	11.9	8.8	101
9009	PARSON FARM SUPPLY	4.0	11.8	8.7	101
4 12 8S					
895	EDWARD BRYANT	3.8	12.0	8.8	100
3537	J T LAWSON HARDWARE COMPANY	3.8	11.9	7.7*	98*
3571	OWINGSVILLE FARMERS SUPPLY	3.6*	12.5	8.6 (1)	101
3628	BAKER & HULLEY	3.6*	12.0	9.5	101
3759	B H THRELKELD	3.4*	12.0	8.6 (2)	97*
9015	BAKER & HULLEY	3.9	12.7	8.6 (3)	104
5 10 5M					
539	HARLAN FRUIT COMPANY	4.9	10.4	5.4	102
700	LEWIS WHOLESALE COMPANY	5.0	10.2	5.1	101
5 10 10 4M 6S					
669	HARLAN FRUIT COMPANY	4.9	10.0	10.5	100
5 10 10M					
541	HARLAN FRUIT COMPANY	5.0	10.5	10.0	102
658	MCCARTY FARM SERVICE	5.0	10.3	10.2	102
3540	J T LAWSON HARDWARE COMPANY	4.9	9.9	10.2	99
3572	OWINGSVILLE FARMERS SUPPLY	4.5*	10.5	9.9	99
3940	J E MCGAHAN COMPANY	4.7*	9.9	10.5	99
5 10 10M PESTICIDE					
905	JACK SHIVLEY (4)	4.8	10.1	10.0	99
5 10 10S					
4929	W B ROBINSON	4.8	10.1	10.5	100
5 10 15 12 SULFATE 3 MURIATE					
744	BOONES FEED STORE	4.7*	10.2	15.0	99
828	BUCKHORN COAL COMPANY	4.8	10.5	15.0	101
3539	J T LAWSON HARDWARE COMPANY	4.5*	9.8	15.5	97*
3785	BARNETT SULLIVAN COMPANY	4.2*	10.1	15.6 (5)	97*

(1) EXCESS MURIATE EQUIVALENT TO 1.4%

(2) EXCESS MURIATE EQUIVALENT TO 0.7%

(3) EXCESS MURIATE EQUIVALENT TO 0.5%

(4) ALDRIN GUARANTEED 0.50%-----FOUND 0.32%

(5) EXCESS MURIATE EQUIVALENT TO 0.8%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>INTER MINERAL & CHEM CORP CONTINUED</i>					
478	5 10 15S J H STULL & SONS	4.9	9.9	15.0	99
547	DUDLEY CORMAN	4.8	9.9	15.2	99
566	CRAB ORCHARD LUMBER COMPANY	4.9	10.5	15.1	102
609	FERGUSON BROTHERS	4.8	10.1	14.9	99
682	G M SANDIDGE	4.8	9.9	15.1	99
717	ALBANY PRODUCE COMPANY	4.9	10.2	14.9	(1) 100
729	FARMERS SUPPLY COMPANY SOMERSET	4.8	10.2	15.0	100
745	BOONES FEED STORE	4.7*	9.9	15.0	98*
829	BUCKHORN COAL COMPANY	4.8	10.0	15.0	99
907	JACK SHIVLEY	4.8	9.9	15.1	99
946	J W EDWARDS & SON	5.0	10.6	15.0	102
985	TAYLOR COUNTY IMPLEMENT COMPANY	4.8	9.9	15.3	99
1861	RALPH MALCOMB	4.9	10.1	15.0	100
1865	DAWSON FEED & SUPPLY	4.7*	10.0	15.3	99
1998	SPRINGFIELD FEED & GRAIN COMPANY	5.1	10.8	14.2*	102
3538	J T LAWSON HARDWARE COMPANY	5.1	10.4	15.5	103
3570	OWINGSVILLE FARMERS SUPPLY	4.0*	11.1	15.0	(2) 98*
3574	OWINGSVILLE FARMERS SUPPLY	4.7*	10.1	16.1	101
3730	DAWSON FEED & SUPPLY	5.1	9.6*	15.0	99
3782	BARNETT SULLIVAN COMPANY	4.7*	9.9	15.7	99
3941	J E MCGAHAN COMPANY	5.0	9.3*	15.4	98*
5004	CERULEAN SEED & FEED STORE	5.1	10.4	15.5	103
5109	T R AKRIDGE	4.9	10.5	14.9	(3) 101
6011	DAWSON FEED & SUPPLY	4.9	10.0	15.0	99
8092	EDWARD BRYANT	4.6*	10.0	15.0	98*
8115	ALBERT GIBSON	4.7*	9.9	14.0*(4)	96*
8167	J W EDWARDS & SON	5.0	10.1	15.2	101
5005	5 10 15S PESTICIDE CERULEAN SEED & FEED STORE (5)	4.9	10.1	15.1	100
546	5 20 20M DUDLEY CORMAN	3.7*	20.0	15.8*	89*
674	J H STULL & SON	4.8	19.7	20.1	99
683	G M SANDIDGE	4.7*	19.3*	18.6*	95*
734	G M SANDIDGE	4.6*	20.4	19.6	99
883	U L ROGERS & SON	4.6*	20.1	19.5*	98*
2976	PAUL BOGGESS	4.7*	20.0	20.4	99
1997	6 6 18S SPRINGFIELD FEED & GRAIN COMPANY	5.8	7.4	17.3*(6)	103
3870	JETT COAL & SUPPLY COMPANY	5.2*	6.1	21.9	104
4751	6 8 6M PRINCETON MILLS	5.9	8.5	6.3	103
8005	FARMERS FEED STORE CENTRAL CITY	6.3	9.2	6.0	108
610	6 8 6S FERGUSON BROTHERS	5.7*	8.2	6.1	99
730	FARMERS SUPPLY COMPANY SOMERSET	5.7*	8.5	6.7	102
896	EDWARD BRYANT	5.7*	8.5	6.3	101
999	WOODSON LEWIS	5.8	7.9	6.1	98*
1945	FARM EQUIPMENT COMPANY BEDFORD	5.0*	9.3	8.7	(7) 106
3536	J T LAWSON HARDWARE COMPANY	6.2	8.5	7.0	107
3627	BAKER & HULLEY	5.4*	8.0	10.7	107
3695	C W GREER	5.6*	8.7	10.7	(8) 112
3938	J E MCGAHAN COMPANY	6.0	8.4	6.2	(9) 103
799	6 12 12M CANEYVILLE ROLLER MILLS	5.9	11.9	11.9	99
945	J W EDWARDS & SON	5.9	12.4	12.5	102
2770	WOODSON LEWIS	5.5*	11.9	12.5	98*
2968	TODD COUNTY SEED COMPANY	5.9	12.2	12.3	101
2975	PAUL BOGGESS	5.3*	12.9	12.7	101
4930	W B ROBINSON	6.2	11.9	12.2	101
5204	FELTY PRODUCE COMPANY	6.2	11.5*	11.8	99
4926	6 12 12 9M 3S W B ROBINSON	6.5	11.1*	12.7	(10) 101

(1) EXCESS MURIATE EQUIVALENT TO 0.7%

(2) EXCESS MURIATE EQUIVALENT TO 3.5%

(3) EXCESS MURIATE EQUIVALENT TO 0.3%

(4) EXCESS MURIATE EQUIVALENT TO 0.7%

(5) ALDRIN GUARANTEED 0.20% ---- FOUND 0.48%

(6) EXCESS MURIATE EQUIVALENT TO 0.3%

(7) EXCESS MURIATE EQUIVALENT TO 2.7%

(8) EXCESS MURIATE EQUIVALENT TO 0.8%

(9) EXCESS MURIATE EQUIVALENT TO 0.4%

(10) EXCESS MURIATE EQUIVALENT TO 0.5%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>INTER MINERAL & CHEM CORP CONTINUED</u>					
	10 10 10M				
425	FERGUSON BROTHERS	95*	105	103	100
567	CRAB ORCHARD LUMBER COMPANY	92*	105	99	98*
1866	DAWSON FEED & SUPPLY	102	102	100	102
1999	SPRINGFIELD FEED & GRAIN COMPANY	102	99	109	102
3541	J T LAWSON HARDWARE COMPANY	102	100	111	103
3569	OWINGSVILLE FARMERS SUPPLY	97*	103	107	101
3783	BARNETT SULLIVAN COMPANY	101	101	102	101
3784	BARNETT SULLIVAN COMPANY	99	98	107	100
3978	SOUTHERN STATES MAYSVILLE COOP	99	100	107	101
4752	PRINCETON MILLS	94*	105	106	100
4931	W B ROBINSON	101	100	102	101
6010	DAWSON FEED & SUPPLY	91*	108	102	99
6139	DAWSON FEED & SUPPLY	95*	102	107	99
8004	FARMERS FEED STORE CENTRAL CITY	100	99	99	100
8166	WEST KENTUCKY COLLEGE FARM	101	99	103	101
	12 12 12M				
947	J W EDWARDS & SON	116*	12.8	13.1	102
2875	J W EDWARDS & SON	116*	13.1	12.7	102
3652	J H FEDDERS INC	105*	14.0	13.7	102
3939	J E MCGAHAN COMPANY	120	12.0	12.5	101
8007	FARMERS FEED STORE CENTRAL CITY	120	12.6	12.1	102
9007	PARSONS FARM SUPPLY	118	11.9	14.1	102
9019	J H FEDDERS INC	116*	12.4	13.1	101
	33 5 AMMONIUM NITRATE				
5007	CERULEAN SEED & FEED STORE	335			100
	20 SUPERPHOSPHATE				
1863	RALPH MALCOMB		20.8		104
1938	FARM EQUIPMENT COMPANY BEDFORD		21.6		108
2730	WOODSON LEWIS		17.6*		88*
3762	ROBERT TAYLOR		21.0		105
5165	CADIZ HARDWARE COMPANY		20.3		102
	48 SULFATE OF POTASH				
4753	PRINCETON MILLS			50.0	104
	48 6 SULFATE OF POTASH				
3751	SOUTHERN STATES FRANKFORT COOP			50.5	104
3916	T C EDWARDS			51.4	106
5015	TRIGG COUNTY TRADING COMPANY			51.7	106
	50 SULFATE OF POTASH				
1591	SOUTHERN STATES SHELBYVILLE COOP			50.8	102
1619	SOUTHERN STATES GEORGETOWN COOP			51.2	102
1700	SPRINGFIELD FEED & GRAIN COMPANY			50.0	100
1929	WOODFORD FEED COMPANY			49.8	100
1953	CARROLL COUNTY FARM BUREAU COOP			51.0	102
2709	VIRGINIA CAROLINA CHEMICAL CORP			51.6	103
3591	SOUTHERN STATES LEXINGTON COOP			50.2	101
3629	BAKER & HULLEY			50.0	100
3657	BI COUNTY FARM BUREAU COOPERATIVE			50.5	101
	60 MURIATE OF POTASH				
1701	SPRINGFIELD FEED & GRAIN COMPANY			58.9*	98*
1928	WOODFORD FEED COMPANY			59.5	99
3605	SPHAR & COMPANY			59.2*	99
3613	SPEARS KISER COMPANY			60.0	100
5151	T C EDWARDS			61.0	102
<u>KENTUCKY FERTILIZER WORKS</u>					
	3 9 6M				
3804	STEVE ROSE MARKET	32	9.6	6.2	106
3943	R T LITTLE	32	7.2*	6.3	92*
3998	ROBERTS MODEL GROCERY	32	8.9	6.3	102

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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 CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
	4 12 8M				
3803	STEVE ROSE MARKET	4.2	11.9	8.4	102
3945	R T LITTLE	4.0	12.0	8.6	101
	5 10 10M				
404	C C BROADDUS	4.9	10.3	10.5	102
3813	HALL & HALL WHOLESALE	4.9	10.0	10.1	100
9027	J A OLDFIELD	5.1	9.9	10.3	101
9031	BERRYMAN COAL & FEED COMPANY	5.0	10.1	9.9	100
	5 10 15S				
491	ROBINSON & TURLEY	5.0	10.9	15.3	104
692	LETCHER SIMPSON	5.0	10.2	15.1	101
3692	CHARLES CORNWELL & SON	5.0	10.5	15.0	102
3700	STEVE ROSE MARKET	5.1	10.2	15.0	101
3799	FARMERS SUPPLY COMPANY DANVILLE	5.1	10.6	15.0	103
9028	J A OLDFIELD	5.0	10.1	15.2	101
	6 6 18S				
493	ROBINSON & TURLEY	6.1	6.7	17.5*	103
	6 8 6M				
3814	HALL & HALL WHOLESALE	6.2	8.9	8.7	113
	6 8 6S				
403	C C BROADDUS	6.0	8.1	6.1	101
3798	FARMERS SUPPLY COMPANY DANVILLE	5.8	8.3	6.3	101
3802	STEVE ROSE MARKET	6.1	8.1	6.3	102
3944	R T LITTLE	6.1	8.3	6.3	103
3959	THE MAY GROCERY COMPANY	5.9	8.0	6.2	100
	6 8 16S				
492	ROBINSON & TURLEY	5.9	9.0	16.2	104
3801	STEVE ROSE MARKET	5.8	8.6	16.5	102
	10 10 10M				
569	HARDY BROTHERS	9.5*	10.3	10.4	99
593	ROBINSON TURLEY	9.1*	10.4	10.5	98*
3800	FARMERS SUPPLY COMPANY DANVILLE	9.3*	9.9	10.2	97*
3812	HALL & HALL WHOLESALE	8.6*	10.2	10.5	95*
<u>KNOXVILLE FERTILIZER COMPANY</u>					
	0 12 12M				
724	HOBART & MILTON ROBERTS		12.0	12.2	101
2776	W C STUART		12.5	12.1	103
5032	YOUNG FEED & GRAIN COMPANY		12.0	11.9	100
9006	T W HUDGINS		11.9	12.4	101
651	0 12 12M WITH 3 LBS BORAX PER 100 ⁽¹⁾ KNOX COUNTY SUPPLY		12.5	12.5	104
	0 20 20M				
443	HOBART & MILTON ROBERTS		19.4*	21.0	100
586	WHITESBURG FARM SERVICE		19.2*	20.1	98*
1795	G M TAYLOR SEED COMPANY		15.7*	16.4*	80*
2850	SHAKER FEED & SEED COMPANY		18.8*	20.2	96*
3737	G M TAYLOR SEED COMPANY		20.1	19.3*	99
4915	BUGG BROTHERS FEED & SUPPLY COMPANY		19.8	19.0*	98*
	0 30 30M				
808	ALLEN COUNTY MILLS		30.1	28.4*	98*
	2 6 16M				
708	GARNETT WHITTLE	2.3	7.0	14.1*	103

(1) SEE BORON TABLE PAGE 71

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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
KNOXVILLE FERTILIZER CO CONTINUED					
2 12 6M					
487	A P VAUGHT & COMPANY	23	123	68	106
771	ALLEN COUNTY MILLS	25	119	71	107
2763	G H BOWLES & SON	24	126	75	111
2892	HARRIS FEED COMPANY	23	123	80	110
2 12 12M					
2765	G H BOWLES & SON	29	12.7	12.4	111
3 9 6M					
488	A P VAUGHT & COMPANY	3.1	9.6	6.8	107
531	TRI STATE WHOLESAL	3.1	9.3	6.6	105
544	JELLICO GROCERY	3.2	10.3	8.2	116
573	POWELL HACKNEY GROCERY	3.3	10.1	8.4	117
589	LEWIS WHOLESAL COMPANY	3.6	10.9	9.0	126
648	GRAYS HARDWARE COMPANY	3.0	8.7*	6.2	99
652	KNOX COUNTY SUPPLY	3.1	10.6	6.4	112
654	JELLICO GROCERY	3.0	9.7	7.1	108
698	CASH WHOLESAL COMPANY	3.3	10.2	7.8	115
772	ALLEN COUNTY MILLS	3.2	9.5	6.7	107
3822	CARTER & SADLER WHOLESAL COMPANY	2.9	8.7*	6.8	100
3949	PAINTSVILLE GROCERY COMPANY	2.9	8.7*	6.5	99
5033	YOUNG FEED & GRAIN COMPANY	3.0	8.9	7.1	103
8123	CURTIS & MCCOMAS	3.0	8.9	7.4	104
8139	STATTON IMPLEMENT COMPANY	3.1	9.2	6.9	105
3 9 6S					
598	GARNETT WHITTLE	2.3*	10.0	5.4*	98*
662	TRI STATE WHOLESAL	3.5	9.5	6.3	108
689	SANDERS SUPPLY	3.5	9.5	6.5 (1)	109
725	HOBERT & MILTON ROBERTS	3.2	9.6	6.5	107
751	W C TURNER	3.3	9.2	6.2	105
2768	G H BOWLES & SON	3.3	9.8	6.5	109
4830	YOUNG FEED & GRAIN COMPANY	3.4	9.6	6.5	109
8018	PLANTER HARDWARE COMPANY	3.4	9.7	6.9 (2)	111
3 9 18S					
691	SANDERS SUPPLY	3.2	9.0	18.2	102
3755	H T QUIRES	3.1	9.1	18.1	101
3 12 12M					
445	HOBART & MILTON ROBERTS	3.1	12.7	13.1	106
486	A P VAUGHT & COMPANY	2.9	12.9	12.1	104
3953	PAINTSVILLE GROCERY COMPANY	3.1	11.1*	12.6	98*
4 8 8M					
9042	FAYETTE SEED COMPANY	3.7*	8.4	9.7	104
4 12 0					
555	SANDERS SUPPLY	3.9	11.4*		96*
4 12 4M					
614	HOBERT & MILTON ROBERTS	3.9	11.7	5.0	100
4 12 8M					
444	HOBART & MILTON ROBERTS	3.9	12.7	8.8	104
554	SANDERS SUPPLY	4.2	12.2	8.4	103
643	BAIRD & BRUMMETT	4.2	12.4	8.4	104
649	GRAYS HARDWARE COMPANY	3.8	11.2*	8.7	97*
650	KNOX COUNTY SUPPLY	4.0	11.3*	9.0	99
809	ALLEN COUNTY MILLS	3.8	12.2	8.2	100
931	STATTON IMPLEMENT COMPANY	4.2	12.2	8.3	103
989	SHIPP SEED HOUSE	4.1	11.7	8.4	100
1884	G M TAYLOR SEED COMPANY	4.1	12.9	8.7	106
2764	G H BOWLES & SON	4.1	12.5	8.9	105
2893	HARRIS FEED COMPANY	4.1	12.2	8.4	103
2981	SHAKER FEED & SEED COMPANY	3.9	12.7	8.4	103
3752	H T QUIRES	3.9	12.6	9.0	104
4781	GALLOWAY SEED COMPANY	3.9	12.3	9.0	103
4916	BUGG BROTHERS FEED & SUPPLY COMPANY	4.5	12.2	8.6	106
6003	G M TAYLOR SEED COMPANY	4.1	11.3*	9.0	100
8045	FARMERS FEED & HDWE CO BOWLING GREEN	4.0	11.0*	8.8	97*

(1) EXCESS MURIATE EQUIVALENT TO 0.5%

(2) EXCESS MURIATE EQUIVALENT TO 0.9%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>KNOXVILLE FERTILIZER CO CONTINUED</u>					
4 12 8M CONTINUED					
8119	CURTIS & MCCOMAS	4.0	11.4*	9.2	100
8122	CURTIS & MCCOMAS	4.2	11.9	8.6	102
8140	STATTON IMPLEMENT COMPANY	4.1	11.9	8.1	100
9002	T W HUDGINS	3.9	11.2*	9.0	98*
4 12 8S					
904	JACK SHIVLEY	4.3	12.6	7.9	105
2698	FARMERS FEED & HDWE CO BOWLING GREEN	4.0	11.7	8.6	(1) 100
2766	G H BOWLES & SON	4.0	11.5*	8.1	(2) 98*
8046	FARMERS FEED & HDWE CO BOWLING GREEN	4.0	11.5*	8.4	(3) 99
8138	STATTON IMPLEMENT COMPANY	4.3	12.1	8.9	(4) 105
4 12 8 3S 5M					
4783	GALLOWAY SEED COMPANY	3.7*	11.9	8.7	99
5 10 5M					
576	JACKSON GROCERY COMPANY	4.9	10.2	6.3	104
647	GRAYS HARDWARE COMPANY	4.6*	9.5*	6.1	97*
670	JELICO GROCERY	5.1	9.2*	5.8	99
699	CASH WHOLESALE COMPANY	4.9	9.1*	5.4	96*
2956	FARM GARDEN & HARDWARE COMPANY	4.9	10.6	6.3	106
3952	PAINTSVILLE GROCERY COMPANY	5.0	9.0*	5.8	97*
5 10 10M					
2775	W C STUART	5.4	10.8	10.6	108
3823	CARTER & SADLER WHOLESALE COMPANY	4.7*	9.8	10.2	97*
3950	PAINTSVILLE GROCERY COMPANY	4.7*	10.1	10.0	98*
5 10 10M PESTICIDE					
543	JELICO GROCERY (5)	4.8	10.3	10.4	101
587	WHITESBURG FARM SERVICE (6)	4.8	10.0	10.5	100
5029	YOUNG FEED & GRAIN COMPANY (7)	5.3	10.3	10.2	104
5 10 15S					
442	HOBART & MILTON ROBERTS	4.5*	11.2	13.4*	99
613	HOBERT & MILTON ROBERTS	5.3	10.0	15.6	103
653	KNOX COUNTY SUPPLY	4.7*	10.5	15.0	100
690	SANDERS SUPPLY	5.0	9.9	15.0	100
750	CRAB ORCHARD FARM SERVICE	4.9	10.3	13.7*	(8) 98*
888	CURTIS & MCCOMAS	5.0	10.3	15.1	(9) 101
908	JACK SHIVLEY	5.3	10.1	15.3	103
987	SHIPP SEED HOUSE	5.2	10.2	15.0	102
988	SHIPP SEED HOUSE	4.9	9.8	15.2	99
1717	BARNETT SULLIVAN & COMPANY	4.7*	10.5	14.7	99
1741	D H THOMAS	4.9	10.0	16.2	102
1792	O NAN BROTHERS	4.9	10.2	15.0	100
1885	G M TAYLOR SEED COMPANY	4.9	10.5	15.3	102
3509	BURLEY MABRY	5.2	10.7	15.8	106
3526	LOUISA SUPPLY COMPANY	4.9	10.1	15.8	101
3753	H T QUIRES	4.9	10.0	15.0	99
3875	G M TAYLOR SEED COMPANY	5.0	9.5*	15.9	100
3958	BLAIR WHOLESALE GROCERY COMPANY	5.0	9.9	15.0	100
4784	GALLOWAY SEED COMPANY	4.9	10.6	15.6	103
4833	MITCHELL ROBERTS	5.2	10.7	14.9	104
8048	FARMERS FEED & HDWE CO BOWLING GREEN	4.9	11.3	14.9	(9) 104
8121	CURTIS & MCCOMAS	5.0	9.9	15.5	101
8137	STATTON IMPLEMENT COMPANY	4.6*	10.9	13.6*	(10) 98*
9003	T W HUDGINS	5.0	10.0	15.0	100
5 20 20M					
749	CRAB ORCHARD FARM SERVICE	4.8	18.5*	19.0*	94*
990	SHIPP SEED HOUSE	4.7*	18.5*	19.0*	93*
1796	G M TAYLOR SEED COMPANY	5.0	19.7	19.0*	98*
2000	HAYDON COAL & OIL COMPANY	5.1	17.7*	18.5*	92*
4782	GALLOWAY SEED COMPANY	4.6*	19.4*	20.0	97*
6 6 12S					
3854	D H THOMAS	5.5*	7.3	11.5*	101

(1) EXCESS MURIATE EQUIVALENT TO 0.8%

(2) EXCESS MURIATE EQUIVALENT TO 0.3%

(3) EXCESS MURIATE EQUIVALENT TO 0.3%

(4) EXCESS MURIATE EQUIVALENT TO 1.4%

(5) ALDRIN GUARANTEED 0.50%-----FOUND 0.26%

(6) ALDRIN GUARANTEED 0.50%-----FOUND 0.35%

(7) CHLOROPHYLL GUARANTEED 1.0%-----FOUND 1.0%

(8) EXCESS MURIATE EQUIVALENT TO 1.0%

(9) EXCESS MURIATE EQUIVALENT TO 0.7%

(10) EXCESS MURIATE EQUIVALENT TO 1.4%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>KNOXVILLE FERTILIZER CO CONTINUED</u>					
	6 6 18S				
1718	BARNETT SULLIVAN & COMPANY	6.2	6.3	19.1	105
1739	D H THOMAS	6.2	6.3	19.1	105
1797	G M TAYLOR SEED COMPANY	6.1	7.0	18.1	105
6004	G M TAYLOR SEED COMPANY	6.4	6.8	18.6	107
	6 8 6M				
595	FIKE & DENNIS	6.1	8.2	6.9	104
3957	BLAIR WHOLESALE GROCERY COMPANY	5.9	8.5	6.5	103
8067	SHAKER FEED & SEED COMPANY	5.9	8.7	9.0	110
9005	T W HUDGINS	5.8	8.2	6.7	101
	6 8 6S				
572	POWELL HACKNEY GROCERY	6.4	7.9	6.7	104
577	JACKSON GROCERY COMPANY	6.4	7.9	6.8	105
3586	FAYETTE SEED COMPANY	6.2	8.2	6.8	105
5034	YOUNG FEED & GRAIN COMPANY	5.4*	8.9	7.5 (1)	104
6001	G M TAYLOR SEED COMPANY	6.0	7.9	6.7	101
	6 12 12M				
942	HARRIS FEED COMPANY	6.3	12.3	12.2	103
4834	MITCHELL ROBERTS	6.1	12.0	12.5	101
5035	YOUNG FEED & GRAIN COMPANY	6.0	10.7*	10.6*	93*
	8 6 10M				
1738	D H THOMAS	8.0	6.5	10.5	103
	10 6 4M				
1740	D H THOMAS	9.8	6.3	5.0	102
1793	G M TAYLOR SEED COMPANY	9.9	7.1	5.5	107
3738	G M TAYLOR SEED COMPANY	9.8	6.4	5.0	103
4917	BUGG BROTHERS FEED & SUPPLY COMPANY	9.8	6.9	4.8	104
	10 10 10M				
599	GARNETT WHITTLE	9.6*	9.9	10.2	98*
709	GARNETT WHITTLE	10.3	9.5*	10.4	101
1794	G M TAYLOR SEED COMPANY	9.5*	10.3	10.4	99
3701	HAYDON COAL & OIL COMPANY	9.7	10.3	10.5	100
3754	H T QUIRES	9.5*	10.1	9.9	98*
5036	YOUNG FEED & GRAIN COMPANY	8.3*	10.3	10.4	93*
6002	G M TAYLOR SEED COMPANY	10.0	10.0	10.8	101
8044	FARMERS FEED & HDWE CO BOWLING GREEN	9.5*	10.1	11.2	100
8066	SHAKER FEED & SEED	10.0	10.1	11.0	102
9004	T W HUDGINS	9.0*	10.3	10.4	97*
	15 37 15M				
2957	FARM GARDEN & HARDWARE COMPANY	14.5*	37.0	16.2	100
5006	CERULEAN SEED & FEED COMPANY	13.5*	32.4*	18.8	93*
	33 5 AMMONIUM NITRATE				
2692	FARMERS FEED & HDWE CO BOWLING GREEN	33.4			100
	20 SUPERPHOSPHATE				
889	CURTIS & MCCOMAS		20.7		103
1883	G M TAYLOR SEED COMPANY		20.0		100
2767	G H BOWLES & SON		19.4*		97*
2894	HARRIS FEED COMPANY		19.6		98*
3951	PAINTSVILLE GROCERY COMPANY		18.3*		92*
5031	YOUNG FEED & GRAIN COMPANY		19.9		100
8120	CURTIS & MCCOMAS		19.5*		98*
	48 TRIPLE SUPERPHOSPHATE				
8047	FARMERS FEED & HDWE CO BOWLING GREEN			52.0	108
	48 SULFATE OF POTASH				
5030	YOUNG FEED & GRAIN COMPANY			49.3	103
	50 SULFATE OF POTASH				
1798	G M TAYLOR SEED COMPANY			51.6	103
3853	D H THOMAS			50.5	101

(1) EXCESS MURIATE EQUIVALENT TO 1.9%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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)	
2774	60 MURIATE OF POTASH W C STUART			56.6*	94*
553	MIXED TO ORDER SANDERS SUPPLY (1)	9.0*	7.5	5.4	103
	<i>LAND O NAN WAREHOUSE</i>				
3883	0 20 20M LAND O NAN WAREHOUSE		20.2	20.7	102
4905	0 20 40M LAND O NAN WAREHOUSE		20.5	36.0*	96*
5127	0 30 30M LAND O NAN WAREHOUSE		29.9	28.1*	98*
4906	3 12 12M LAND O NAN WAREHOUSE	3.7	12.2	13.3	108
5128	4 12 8M LAND O NAN WAREHOUSE	4.5	12.2	8.2	105
5129	4 16 16M LAND O NAN WAREHOUSE	4.2	19.3	15.5*	111
3881	5 20 5M LAND O NAN WAREHOUSE	5.6	18.8*	7.1	103
5130	5 20 5M LAND O NAN WAREHOUSE	5.3	21.4	6.5	109
3884	5 20 20M LAND O NAN WAREHOUSE	4.8	18.2*	20.4	95*
5131	5 20 20M LAND O NAN WAREHOUSE	4.9	20.2	19.8	100
3885	6 8 6M LAND O NAN WAREHOUSE	6.3	7.5*	7.0	102
3882	6 12 12M LAND O NAN WAREHOUSE	7.0	10.9*	12.8	103
5132	6 12 12M LAND O NAN WAREHOUSE	6.7	12.0	13.0	106
4903	10 20 20M JOE LUCKETT	10.3	20.6	20.1	102
4907	10 20 20M LAND O NAN WAREHOUSE	10.0	21.1	18.3*	101
4983	MORGANFIELD HARDWARE	8.8*	18.8*	20.4	94*
5133	10 20 20M LAND O NAN WAREHOUSE	10.2	19.9	15.3*	95*
4908	10 30 20M LAND O NAN WAREHOUSE	9.3*	29.3*	19.6	96*
4909	12 12 12M LAND O NAN WAREHOUSE	11.9	12.3	12.5	101
4904	60 MURIATE OF POTASH LAND O NAN WAREHOUSE			51.4*	86*
4984	60 MURIATE OF POTASH LAND O NAN WAREHOUSE			61.0	102
4985	60 MURIATE OF POTASH LAND O NAN WAREHOUSE			58.0*	97*

(1) ALDRIN GUARANTEED 0.20%-----FOUND 0.24%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>LOUISVILLE FERTILIZER CO</u>					
2792	2 12 6M H D JONES	2.1	11.9	6.3	101
2793	4 12 8M H D JONES	4.0	12.1	9.0	103
5105	RATLIFF HARDWARE COMPANY	4.0	11.9	8.1	100
5086	4 16 16M TICHENOR BROTHERS GROCERY	4.0	16.8	12.3*	97*
5106	5 10 15S RATLIFF HARDWARE COMPANY	4.6*	10.1	15.0 (1)	98*
2795	5 20 20M H D JONES	4.6*	20.5	19.4*	99
5087	6 8 6M TICHENOR BROTHERS GROCERY	5.9	7.0*	5.9	94*
5088	6 8 6S TICHENOR BROTHERS GROCERY	5.8	8.9	6.2	104
5107	10 10 10M RATLIFF HARDWARE COMPANY	8.2*	9.7	9.1*	89*
<u>MID SOUTH CHEMICAL COMPANY</u>					
6056	82 ANHYDROUS AMMONIA MIDSOUTH CHEMICAL COMPANY HANSON	82.0			100
6058	MIDSOUTH CHEMICAL COMPANY HAYFIELD	82.0			100
6059	MIDSOUTH CHEMICAL COMPANY BENTON	82.0			100
6060	MIDSOUTH CHEMICAL COMPANY MURRAY	82.0			100
6061	WEST KENTUCKY LIQUID FERTILIZER CO	82.0			100
6062	MIDSOUTH CHEMICAL COMPANY TRENTON	82.0			100
6063	WEST KENTUCKY LIQUID FERTILIZER CO	82.0			100
6066	MIDSOUTH CHEMICAL CO BOWLING GREEN	82.0			100
<u>MISSISSIPPI RIVER CHEMICAL CO</u>					
1596	33 5 AMMONIUM NITRATE SOUTHERN STATES OWENTON COOP	33.5			100
1948	RIVERVIEW FARMS DAIRY	33.6			100
4922	MOORE SEED & GRAIN COMPANY	33.5			100
<u>MISSOURI PLANT FOOD CO INC</u>					
3923	3 12 12M COOPER SEED & FEED STORE	3.3	12.0	12.6	103
4871	COOPER SEED & FEED STORE	3.3	11.9	12.6	103
5179	4 12 8M YOUNGBLOOD I G A MARKET	4.3	12.3	7.7*	103
4872	5 10 15S COOPER SEED & FEED STORE	4.9	10.0	15.0	99
5074	LOVELACEVILLE FEED MILL	5.1	9.7	14.9	99
5180	YOUNGBLOOD I G A MARKET	5.1	9.9	15.1	100

(1) EXCESS MURIATE EQUIVALENT TO 0.4%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>MISSOURI PLANT FOOD CO INC CONTINUED</u>		(Percent)	(Percent)	(Percent)	
3924	6 24 24M COOPER SEED & FEED STORE	5.7*	23.9	24.4	99
3925	12 12 12M COOPER SEED & FEED STORE	11.9	12.5	12.1	101
4873	COOPER SEED & FEED STORE	12.1	12.3	12.1	101
5075	LOVELACEVILLE FEED MILL	11.9	12.5	12.0	101
3926	15 15 15M COOPER SEED & FEED STORE	14.9	15.5	15.5	101
4869	50 SULFATE OF POTASH COOPER SEED & FEED STORE			50.2	100
4870	60 MURIATE OF POTASH COOPER SEED & FEED STORE			60.5	101
<u>MONSANTO CHEMICAL COMPANY</u>					
1844	33 5 AMMONIUM NITRATE KENTUCKY TRAINING HOME	33.7			101
3612	SPEARS KISER COMPANY	33.8			101
4882	SMITH & REYNOLDS COMPANY	33.6			100
5140	KUTTAWA MILLING COMPANY	34.0			101
<u>MORRISON & WALLACE</u>					
8128	5 10 5M MORRISON & WALLACE	5.0	12.6	5.5	114
<u>NA CHURS PLANT FOOD COMPANY</u>					
2958	7 14 7 LIQUID FERTILIZER FARM GARDEN & HARDWARE COMPANY	8.0	19.6	8.5	128
3866	10 20 10 LIQUID FERTILIZER SOUTHERN STATES FRANKFORT COOP	10.3	20.2	10.3	102
6039	HALL IMPLEMENT COMPANY	10.0	20.0	10.3	100
<u>NITRO FORM AGRICULTURAL CHEMICAL CO</u>					
1812	38 NITROGEN BUNTON SEED COMPANY	39.1			103
<u>NORTH AMERICAN FERTILIZER CO</u>					
1654	0 10 20M HARROD & MANTER		20.9	16.0*	145
1877	HARROD & MANTER		10.7	19.5*	102
6037	TATE BIRD		10.0	18.4*	96*
793	0 12 12M MAJORS TRUCK LINE	11.3*	12.1		96*
1762	GAYLE RODGERS	13.0	13.4		109
1959	CREED ONEY	12.2	13.7		106
2745	STANLEY AVERY	14.9	14.2		123

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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
NORTH AMERICAN FERT CO CONTINUED					
1734	0 20 20M WITH 5 LBS BORAX PER 100 FROMAN FRY ⁽¹⁾		17.4*	18.1*	88*
840	2 12 6M HENRY DURHAM HARDWARE COMPANY	2.6	13.4	7.3	116
897	FURKIN BROTHERS	2.5	11.9	6.6	105
965	PAUL BRITE	2.5	12.1	6.4	106
2751	B A THARP	2.2	12.5	5.9	104
2806	ROY E PACE & SON	3.4	10.9*	7.0	108
3621	EARL KENDALL	2.2	11.6*	6.2	100
3774	RIZER BROTHERS	2.4	11.9	6.7	105
4996	RAYMOND TATUM	2.5	11.9	7.2	107
522	3 9 6M RENFRO SUPPLY COMPANY	3.4	9.4	6.7	108
638	RENFRO SUPPLY COMPANY	3.2	9.7	6.3	107
797	MAJORS TRUCK LINE	3.0	8.9	6.3	100
839	HENRY DURHAM HARDWARE COMPANY	3.3	9.0	6.4	104
981	YOUNG SEED HOUSE	3.0	8.6*	6.2	98*
1630	GEORGIA HOUCHINS	3.0	9.0	6.2	101
1650	RALPH BATTS	3.2	9.0	6.9	105
2737	EARL ADKISSON	3.9	11.2	10.2	134
2998	ROY E PACE & SON	3.3	8.9	6.2	103
3773	RIZER BROTHERS	3.8	9.1	7.5	112
8087	ROY E PACE & SON	3.1	10.4	6.6	111
389	3 12 12M ALEX LEDERMAN	3.0	12.6	10.6*	100
795	MAJORS TRUCK LINE	3.1	12.1	12.5	102
838	HENRY DURHAM HARDWARE COMPANY	3.6	12.0	11.8	104
1735	FROMAN FRY	3.3	11.9	11.8	101
1856	W T FORSEE	3.3	12.0	12.3	103
2746	STANLEY AVERY	3.1	12.1	11.8	101
2841	SIMPSON BROTHERS FEED MILL	3.1	11.9	12.2	101
3000	ROY E PACE & SON	3.4	11.4*	11.8	102
3718	HANCOCKS FEED STORE	3.0	12.2	12.0	101
3775	RIZER BROTHERS	3.2	11.9	12.1	101
6114	HANCOCKS FEED STORE	3.2	12.0	11.9	101
2752	4 8 12S B A THARP	3.9	8.2	11.2*	97*
3622	EARL KENDALL	4.4	8.6	11.5*	105
8104	SIMPSON BROTHERS FEED MILL	3.8	7.9	11.8	98*
381	4 12 8M I H BURKE	4.2	11.8	8.0	100
386	ALEX LEDERMAN	4.5	11.3*	8.4	101
391	W R RAY	4.0	11.7	8.2	99
393	S D COCHRAN	4.0	12.0	8.1	100
794	MAJORS TRUCK LINE	4.0	11.8	8.2	100
841	HENRY DURHAM HARDWARE COMPANY	4.1	12.0	8.0	101
1648	MATTHEW S MARTIN	3.9	11.6*	8.0	98*
1759	WILLIAM G WILLIS	4.0	11.9	8.1	100
1800	HANCOCKS FEED STORE	4.0	12.6	7.6*	102
1995	J B WADE	4.0	12.3	8.1	102
2741	T HIGGINBOTHAM	4.1	11.9	8.6	102
2842	SIMPSON BROTHERS FEED MILL	4.0	12.1	7.6*	100
2945	R D REYNOLDS	4.1	12.5	8.3	104
2999	ROY E PACE & SON	3.9	12.2	8.0	100
3720	HANCOCKS FEED STORE	4.1	11.9	7.9	100
3861	DAVIS BROTHERS	4.2	12.2	8.1	103
4997	RAYMOND TATUM	5.2	11.7	8.6	108
5206	RAYMOND TATUM	4.1	11.6*	8.4	100
6144	GEORGE FREMD JR	4.3	12.0	8.2	103
8086	ROY E PACE & SON	4.3	11.2*	8.6	100
8102	SIMPSON BROTHERS FEED MILL	4.0	11.5*	8.8	100
8225	PAUL BRITE	4.1	11.6*	8.3	100
792	4 16 16M MAJORS TRUCK LINE	4.2	16.2	15.4*	101
1761	GAYLE RODGERS	3.9	16.3	16.4	101
8085	ROY E PACE & SON	4.1	16.4	15.7	101

(1) SEE BORON TABLE PAGE 71

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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
NORTH AMERICAN FERT CO CONTINUED		(Percent)	(Percent)	(Percent)	
5 10 10M					
899	FURKIN BROTHERS	4.9	10.1	10.3	100
1958	CREED ONEY	5.1	10.2	10.3	102
2736	EARL ADKISSON	4.7*	12.3	10.8	110
4998	RAYMOND TATUM	4.6*	10.3	10.6	100
5174	R E SMITH	4.9	10.1	10.1	100
5 10 15S					
387	ALEX LEDERMAN	5.2	10.8	14.8	104
390	W R RAY	5.2	10.1	14.0*	100
392	S D COCHRAN	5.3	10.2	15.0	103
798	MAJORS TRUCK LINE	5.1	9.8	15.0	100
842	HENRY DURHAM HARDWARE COMPANY	5.3	10.1	15.3	103
882	SIMPSON BROTHERS FEED MILL	4.3*	11.0	11.7*(1)	93*
898	FURKIN BROTHERS	5.2	9.9	14.9	101
963	PAUL BRITE	5.3	10.1	14.6*(2)	101
1631	GEORGIA HOUGHINS	5.0	10.4	15.2	102
1632	THOMPSON DUVALL	5.1	10.1	15.0	101
1634	J L SHOUSE	5.1	10.5	14.6*	102
1645	MATTHEW KEPHART	5.1	10.1	15.2 (3)	101
1647	MATTHEW S MARTIN	4.9	10.3	14.8	100
1649	ROY HENDERSON	5.2	10.3	15.2	103
1667	MOLLIE GRAVES	5.1	9.9	15.0	100
1704	J B RILEY	5.1	10.2	15.7 (4)	103
1736	FROMAN FRY	5.4	10.2	15.4	104
1763	GAYLE RODGERS	5.0	10.4	15.1	102
1855	W T FORSEE	5.4	9.9	15.1 (5)	102
2735	EARL ADKISSON	4.7*	10.1	15.0 (6)	99
2742	T HIGGINBOTHAM	5.4	10.0	15.4	103
2747	STANLEY AVERY	5.0	10.3	15.0 (7)	101
2805	ROY E PACE & SON	4.9	11.1	14.8 (8)	103
2944	R D REYNOLDS	5.2	10.5	14.6*	102
3438	W G WIGGLESWORTH JR	5.1	10.1	14.8	101
3441	W G WIGGLESWORTH JR	5.1	10.4	14.9	102
3849	RAINBOW COAL COMPANY	4.9	9.9	14.8	99
3860	DAVIS BROTHERS	5.3	10.3	15.0	103
4999	RAYMOND TATUM	4.9	10.1	14.2*(9)	98*
5207	RAYMOND TATUM	4.5*	10.2	14.8	97*
6097	J B WADE	5.1	10.0	14.6*	100
6140	LESLIE SAMPLE & SON	5.0	10.3	15.1	101
8084	ROY E PACE & SON	5.0	10.6	14.8	102
8226	PAUL BRITE	5.0	9.9	15.0	100
5 20 20M					
5175	R E SMITH	4.9	20.1	18.8*	98*
6 6 18S					
402	FLETCHER TAYLOR & SONS	6.2	6.8	18.0 (10)	105
1652	HEILMAN BROTHERS	6.3	6.7	18.2 (11)	105
1653	HARROD & MANTER	6.4	6.0	18.5 (12)	104
1899	B S POLSGROVE	6.1	6.7	17.5*	103
7004	FLETCHER TAYLOR & SONS	6.1	6.6	17.6*	102
6 8 6M					
401	FLETCHER TAYLOR & SONS	6.1	8.6	6.4	105
1801	HANCOCKS FEED STORE	5.6*	8.2	6.3	99
1822	FAIRDALE HARDWARE	6.0	8.4	6.8	104
2749	B A THARP	6.0	9.0	6.1	105
2991	JOHN L VINCENT & SONS	5.7*	9.0	5.8	102
3719	HANCOCKS FEED STORE	6.0	8.4	6.1	102
3728	I L HANCOCK	6.0	8.1	6.1	101
5000	RAYMOND TATUM	5.9	8.0	6.4	100
5176	R E SMITH	5.7*	8.3	6.0	99
6115	HANCOCKS FEED STORE	6.0	8.0	6.6	102
6133	I L HANCOCK FEED STORE	6.0	8.1	6.2	101
6 8 6S					
380	I H BURKE	5.5*	9.3	7.7 (13)	107
405	FLETCHER TAYLOR & SONS	6.0	8.5	6.5	104
837	HENRY DURHAM HARDWARE COMPANY	5.5*	8.5	6.1 (14)	99
1854	W T FORSEE	5.9	8.2	6.8 (15)	102

(1) EXCESS MURIATE EQUIVALENT TO 2.4%
 (2) EXCESS MURIATE EQUIVALENT TO 0.6%
 (3) EXCESS MURIATE EQUIVALENT TO 0.5%
 (4) EXCESS MURIATE EQUIVALENT TO 1.3%
 (5) EXCESS MURIATE EQUIVALENT TO 0.5%
 (6) EXCESS MURIATE EQUIVALENT TO 1.0%
 (7) EXCESS MURIATE EQUIVALENT TO 1.1%

(8) EXCESS MURIATE EQUIVALENT TO 0.4%
 (9) EXCESS MURIATE EQUIVALENT TO 0.3%
 (10) EXCESS MURIATE EQUIVALENT TO 1.1%
 (11) EXCESS MURIATE EQUIVALENT TO 1.8%
 (12) EXCESS MURIATE EQUIVALENT TO 0.4%
 (13) EXCESS MURIATE EQUIVALENT TO 1.7%
 (14) EXCESS MURIATE EQUIVALENT TO 0.5%
 (15) EXCESS MURIATE EQUIVALENT TO 0.5%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>NORTH AMERICAN FERT CO CONTINUED</u>					
6 8 6S CONTINUED					
3620	EARL KENDALL	5.7*	8.5	6.1 (1)	101
3772	RIZER BROTHERS	6.1	8.1	6.1	102
3850	RAINBOW COAL COMPANY	6.1	8.0	6.3	102
6098	J B WADE	6.0	7.9	6.4	101
8103	SIMPSON BROTHERS FEED MILL	5.5*	7.9	6.8 (2)	98*
9041	EARL KENDALL	5.5*	7.9	6.4	97*
10 10 10M					
388	ALEX LEDERMAN	10.4	10.0	10.6	103
796	MAJORS TRUCK LINE	10.2	10.4	9.9	102
881	SIMPSON BROTHERS FEED MILL	10.0	10.9	10.0	103
892	JEWELL BACK	9.6*	10.1	9.9	98*
1633	J L SHOUSE	10.4	10.2	10.4	103
1646	MATTHEW KEPHART	9.9	10.4	10.2	101
1651	HEILMAN BROTHERS	9.3*	10.2	10.0	97*
1823	I L HANCOCK	10.5	10.4	10.1	104
1896	MORRISON KAVANAUGH	9.9	10.5	10.1	101
5205	RAYMOND TATUM	9.7	10.3	10.1	100
6038	TATE BIRD	10.1	10.5	10.6	103
6134	I L HANCOCK FEED STORE	10.0	10.1	10.5	101
8105	SIMPSON BROTHERS FEED MILL	10.2	10.2	10.6	103
20 SUPERPHOSPHATE					
1636	CHRISTINE FOREMAN		19.9		100
1799	JOHN CAUDILL SEED COMPANY		19.6		97*
1802	HANCOCK FEED STORE		19.6		98*
2750	B A THARP		20.1		100
2804	ROY E PACE & SON		19.5*		98*
2990	JOHN L VINCENT & SONS		19.9		100
8088	ROY E PACE & SON		18.8*		98*
50 SULFATE OF POTASH					
1857	W T FORSEE			50.0	100
1890	ROBERT HICKS			51.0	102
3440	W G WIGGLESWORTH JR			50.4	101
60 MURIATE OF POTASH					
3439	W G WIGGLESWORTH JR			60.4	101
MIXED TO ORDER (3)					
1635	CHRISTINE FOREMAN		9.7	17.0*	96*
1637	CHRISTINE FOREMAN			55.6	104
1655	HARROD & MANTER		21.3	15.2*	145
1876	HARROD & MANTER		11.1	19.2*	104
1889	ROBERT HICKS			55.5	101
1922	CHRISTINE FOREMAN		8.4*	19.5*	91*
<u>OHIO VALLEY FERTILIZER CORP</u>					
0 20 20M					
3557	ATLEY R ADKINS		21.2	20.7	105
3 9 18M					
3982	ATLEY R ADKINS	2.9	9.3	18.2	101
3 12 12M					
3544	ROBERT UTTER	3.1	12.3	12.5	103
3548	DR E ASBURY	3.0	12.0	12.7	102
3677	DOUGLAS MCLONEY	3.3	12.1	12.0	102
4 12 8M					
3518	C R KISER & SON	3.6*	11.7	8.6	97*
3997	VIRGIL STALLARD	3.9	12.1	8.4	101
4 16 4S					
3429	ADAMS & MOORE	3.7*	15.0*	7.2	101

(1) EXCESS MURIATE EQUIVALENT TO 0.4%

(2) EXCESS MURIATE EQUIVALENT TO 0.9%

(3) SEE BORON TABLE PAGE 71

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>					
	5 10 10M				
1719	PATTERSON & GUTHRIE	4.3*	10.6	99	98*
3504	GORDON R BROWN	3.6*	10.6	115	97*
3558	ATLEY R ADKINS	4.3*	11.4	105	103
3787	PATTERSON & GUTHRIE	5.2	10.1	99	102
3981	ATLEY R ADKINS	4.8	10.4	92*	99
	5 10 10S				
3551	BLUE STAR NURSERY	4.9	10.4	112	104
3680	DOUGLAS MCLONEY	4.9	9.9	100	99
3980	ATLEY R ADKINS	5.1	9.7	103	100
	5 10 15S				
1721	PATTERSON & GUTHRIE	4.7*	10.9	15.0	102
3494	JESSE BELL	5.0	10.4	15.0	102
3505	GORDON R BROWN	4.9	10.4	14.9	101
3545	ROBERT UTTER	4.7*	10.5	15.0	100
3552	BLUE STAR NURSERY	4.8	10.9	15.3	103
	5 10 20S				
1720	PATTERSON & GUTHRIE	4.6*	10.9	19.5*	102
3546	HERMAN STAPLETON	4.7*	10.4	20.4	101
3547	HERMAN STAPLETON (1)	4.6*	10.4	20.0	99
3549	DR E ASBURY	4.8	10.5	20.1	101
3682	DOUGLAS MCLONEY	4.7*	10.4	19.8	99
	6 8 6S				
3556	ATLEY R ADKINS	5.6*	8.7	6.5	102
	10 0 30M				
3681	DOUGLAS MCLONEY	8.6*		30.6	94*
	10 10 10M				
3786	PATTERSON & GUTHRIE	9.6*	10.5	10.2	100
3966	DOUGLAS MCLONEY	9.6*	10.8	9.7	100
	50 SULFATE OF POTASH				
3678	DOUGLAS MCLONEY			49.4	99
	60 MURIATE OF POTASH				
3679	DOUGLAS MCLONEY			55.2*	92*
3967	DOUGLAS MCLONEY			58.9*	98*
	MIXED TO ORDER				
3493	JESSE BELL	4.2	15.3*	5.4 (2)	101
<u>OLIN MATHIESON CHEMICAL CORPORATION</u>					
	6 24 24M				
2889	GILLISPIE SEED COMPANY	6.7	25.2	25.0	106
	10 20 20M				
5058	WARREN SEED COMPANY	9.9	20.0	20.2	100
	11 48 0				
2890	GILLISPIE SEED COMPANY	11.6	48.0		101
	13 13 13M				
2888	GILLISPIE SEED COMPANY	13.6	13.9	13.7	106
5184	HOWE HILLIARD GRAIN COMPANY	13.2	13.6	13.6	103
	13 39 0				
5183	HOWE HILLIARD GRAIN COMPANY	13.1	38.9		100

(1) ALDRIN GUARANTEED 0.14%-----FOUND 0.21%

(2) EXCESS MURIATE EQUIVALENT TO 0.3%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>PHILLIPS CHEMICAL COMPANY</u>					
	33 5 AMMONIUM NITRATE				
880	ADAIR MILLING COMPANY	33.7			100
3879	W J SMITH GENERAL STORE	33.5			101
4951	JARVIS SWEET FEED MILL	33.6			100
<u>PLANT MARVEL LABORATORIES</u>					
	12 31 14S				
2979	LEICHHARDT HILLVIEW NURSERY	13.7	31.7	17.0	108
<u>PRICE CHEMICAL CO</u>					
	0 20 20M				
2930	HARDIN COUNTY MILLING COMPANY		20.1	18.9*	99
3414	FOX BROTHERS		19.0*	21.1	99
3758	STOUTTS FEED STORE		21.7	17.5*	102
	2 12 6M				
766	JOHNSON & HARRISON	2.3	12.0	6.1	103
980	YOUNG SEED HOUSE	2.5	11.7	7.1	106
2934	HARDIN COUNTY MILLING COMPANY	2.7	12.5	6.6	110
3412	FOX BROTHERS	2.9	12.1	7.0	111
4792	B B LANDRUM GENERAL MERCHANDISE	2.7	12.3	7.0	110
	3 12 12M				
788	FARMERS SUPPLY COMPANY GLASGOW	3.6	12.2	12.0	105
826	YOUNG SEED HOUSE	3.5	13.1	11.6*	107
952	HARDIN COUNTY MILLING COMPANY	3.3	11.9	13.3	104
1992	J H LYON & SONS	3.6	12.8	11.8	107
2932	HARDIN COUNTY MILLING COMPANY	3.4	13.1	12.0	108
3756	STOUTTS FEED STORE	3.5	12.3	12.0	105
8126	HARDIN COUNTY MILLING COMPANY	3.1	11.7	12.3	100
	4 12 8M				
827	YOUNG SEED HOUSE	3.9	12.3	9.7	105
1991	J H LYON & SONS	4.0	12.6	8.4	104
3417	FOX BROTHERS	4.3	12.9	8.8	108
3691	RATLIFF & SORRELL	3.9	12.6	8.1	102
3697	MONARCH MILLING COMPANY	4.0	13.6	6.5*	104
4793	B B LANDRUM GENERAL MERCHANDISE	4.3	12.9	8.9	108
6077	STOUTTS FEED STORE	4.1	11.9	8.5	101
9029	M B FOX	4.2	12.5	7.8	103
	4 16 16M				
3415	FOX BROTHERS	4.2	16.7	16.2	104
	5 10 15S				
562	MURPHY & PHILLIPS	5.2	10.4	15.4	104
979	YOUNG SEED HOUSE	4.9	10.4	15.0 (1)	101
1776	C W ASHLEY & COMPANY	5.3	10.4	16.0	105
1826	STOUTTS FEED STORE	5.2	10.6	15.4	104
2931	HARDIN COUNTY MILLING COMPANY	5.3	10.7	15.3	105
3413	FOX BROTHERS	5.1	10.5	15.1	103
3428	MONARCH MILLING COMPANY	5.2	10.9	15.0	105
3688	RATLIFF & SORRELL	4.8	10.8	15.0	102
3731	DAWSON FEED & SUPPLY	5.2	10.1	15.4	102
3848	WOODFORD FEED COMPANY	4.9	10.7	15.0	102
3859	ARROWWOOD NURSEY	5.5	10.6	15.0	105
6099	HAYDON COAL & OIL COMPANY	4.7*	10.9	15.2	102
6106	J C ROBINSON & COMPANY	4.4*	11.1	14.8	100
8125	HARDIN COUNTY MILLING COMPANY	4.7*	10.3	15.6	101
9030	M B FOX	5.1	10.1	15.6	102

(1) EXCESS MURIATE EQUIVALENT TO 1.1%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>PRICE CHEMICAL COMPANY CONTINUED</u>					
	6 6 18S				
1842	JETT COAL & SUPPLY	6.0	6.9	18.5	105
1927	WOODFORD FEED COMPANY	5.8	7.5	16.9*(1)	103
3598	FOX BROTHERS	5.6*	6.4	18.7	101
3847	WOODFORD FEED COMPANY	6.4	6.5	18.1	105
	6 8 6S				
1777	C W ASHLEY & COMPANY	6.3	8.2	8.0	108
1841	JETT COAL & SUPPLY	6.0	8.6	6.2	104
3411	FOX BROTHERS	6.1	8.3	7.5	106
3427	MONARCH MILLING COMPANY	6.4	8.4	7.2	108
3687	RATLIFF & SORRELL	6.0	8.2	6.3	102
3757	STOUTTS FEED STORE	6.3	8.2	6.1	104
4794	B B LANDRUM GENERAL MERCHANDISE	6.3	8.4	7.2	107
6137	VALLEY FARM STORE	6.2	8.7	6.4	106
	6 24 24M				
951	HARDIN COUNTY MILLING COMPANY	6.2	24.5	25.0	103
	10 10 10M				
2933	HARDIN COUNTY MILLING COMPANY	9.7*	10.7	10.5	102
3416	FOX BROTHERS	10.1	10.5	10.9	104
3690	RATLIFF & SORRELL	9.7	10.8	10.5	102
6078	STOUTTS FEED STORE	10.1	10.5	10.3	103
8127	HARDIN COUNTY MILLING COMPANY	10.2	10.7	10.0	103
	12 12 12M				
3780	HAYDON COAL & OIL COMPANY	12.3	12.3	12.2	102
	20 SUPERPHOSPHATE				
1825	STOUTTS FEED STORE		20.2		101
2929	HARDIN COUNTY MILLING COMPANY		20.7		103
3689	RATLIFF & SORRELL		20.8		104
	50 SULFATE OF POTASH				
1864	DAWSON FEED & SUPPLY			51.0	102
	60 MURIATE OF POTASH				
3781	HAYDON COAL & OIL COMPANY			60.5	101
<u>RA PID GRO CORPORATION</u>					
	23 21 17S				
2978	LEICHHARDT HILLVIEW NURSERY	23.4	20.9	16.3*	100
6135	BUNTON SEED COMPANY	24.4	20.1*	16.9*	102
<u>REPUBLIC STEEL CORPORATION</u>					
	20 5 SULFATE OF AMMONIA				
5123	CRAFTON & DUNCAN & SINKHORN	20.9			102
<u>SCHROCK FERTILIZER SERVICE</u>					
	60 MURIATE OF POTASH				
5124	CRAFTON & DUNCAN & SINKHORN			60.4	101

(1) EXCESS MURIATE EQUIVALENT TO 0.4%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>SCOPE CHEMICAL COMPANY</u>					
8235	10 20 10 LIQUID FERTILIZER HARDIN COUNTY MILLING COMPANY	103	20.2	103	102
<u>O M SCOTT & SONS CO</u>					
5193	9 7 4M LAWN & GARDEN CENTER	9.7	8.2	4.0	110
3723	20 10 5M JACK DAYTON & SON	21.7	10.9	6.0	109
5194	LAWN & GARDEN CENTER	19.8	11.1	5.3	102
5195	25 NITROGEN WITH PESTICIDE LAWN & GARDEN CENTER ⁽¹⁾	24.8			99
<u>SMITH AGRICULTURAL CHEMICAL COMPANY</u>					
6130	4 12 4M BUNTON SEED COMPANY	4.2	12.0	4.3	111
<u>SOUTHERN STATES SEE COOP FERT SER</u>					
<u>SOUTHERN STATES CLARK COUNTY COOP</u>					
9032	5 10 5M SOUTHERN STATES CLARK COUNTY COOP	5.1	12.6	5.0	114
<u>SPENCER CHEMICAL COMPANY</u>					
2706	33 5 AMMONIUM NITRATE CAYCE YOST	33.8			101
2960	WEST KENTUCKY STATE HOSPITAL	33.5			100
3408	SPHAR & COMPANY	33.9			101
3739	G M TAYLOR SEED COMPANY	33.7			101
3971	HUGHES M HAMILTON	33.8			101
4864	YOPP SEED COMPANY	33.4			100
6052	82 ANHYDROUS AMMONIA NITROGEN FERTILIZER SERVICE	82.0			100
<u>STADLER FERTILIZER COMPANY</u>					
5196	10 6 4M LAWN & GARDEN CENTER	10.1	6.4	3.9	102

(1) ALDRIN GUARANTEED 0.28%-----FOUND 0.35%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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
SWIFT & COMPANY					
4976	0 20 20M MORGANFIELD HARDWARE		18.4*	21.2	97*
3917	0 25 25M T C EDWARDS		26.0	22.4*	99
4867	3 12 12M YOPP SEED COMPANY	3.3	12.0	11.1*	100
4977	MORGANFIELD HARDWARE	3.1	12.1	12.0	101
1673	4 8 12S J W SETTLE FEED STORE	4.0	9.5	12.2	(1) 108
2693	FARMERS FEED & HDWE CO BOWLING GREEN	4.7	8.8	12.6	(2) 111
3426	MONARCH MILLING COMPANY	4.6	9.4	13.0	(3) 114
4858	YOPP SEED COMPANY	3.7*	8.7	11.8	101
2852	4 12 8S SHAKER FEED & SEED COMPANY	4.6	11.9	8.8	105
5012	TRIGG COUNTY TRADING COMPANY	4.4	12.3	8.1	104
6105	DON ROGERS	4.3	11.9	8.0	102
4978	4 16 16M MORGANFIELD HARDWARE	4.1	16.6	15.6*	102
982	5 10 15S YOUNG SEED HOUSE	4.2*	11.1	13.1*	96*
2899	SHIPP & HEDGE PATH	5.2	10.4	13.7*	100
3592	STANLY PENN & SONS	5.3	10.4	15.0	103
3927	COOPER SEED & FEED STORE	6.5	10.8	14.2*	111
4868	COOPER SEED & FEED STORE	4.9	10.9	12.9*	99
5013	TRIGG COUNTY TRADING COMPANY	5.6	9.6*	15.0	102
4979	5 20 20M MORGANFIELD HARDWARE	5.0	20.6	20.1	102
1674	6 10 4M J W SETTLE FEED STORE	6.6	10.9	4.6	110
1716	FARMERS SUPPLY COMPANY DANVILLE	6.8	10.7	4.2	110
1968	J W SETTLE FEED STORE	6.5	10.1	4.3	105
2922	COOPER BROTHERS	6.3	10.2	5.0	105
2923	COOPER BROTHERS	6.2	11.9	4.6	112
3425	MONARCH MILLING COMPANY	6.7	11.2	3.9	110
3593	STANLEY PENN & SONS	6.0	10.3	4.7	103
3647	GEORGE W HILL & COMPANY	6.0	10.3	4.7	103
4863	YOPP SEED COMPANY	6.0	10.1	4.5	102
5014	TRIGG COUNTY TRADING COMPANY	6.6	10.0	4.0	104
3918	6 12 12M T C EDWARDS	6.1	12.1	12.1	101
4980	8 8 8M MORGANFIELD HARDWARE	7.2*	8.5	8.1	97*
3919	10 10 10M T C EDWARDS	9.6*	11.7	10.6	105
4981	MORGANFIELD HARDWARE	9.0*	11.2	10.5	100
3594	12 12 12M STANLEY PENN & SONS	11.4*	13.1	11.6*	100
3867	J W SETTLE FEED STORE	12.2	12.1	12.8	102
3920	T C EDWARDS	10.3*	12.8	13.0	97*
4982	MORGANFIELD HARDWARE	8.9*	12.3	12.1	88*

(1) EXCESS MURIATE EQUIVALENT TO 0.7%

(2) EXCESS MURIATE EQUIVALENT TO 0.8%

(3) EXCESS MURIATE EQUIVALENT TO 0.6%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>SWIFT & COMPANY CONTINUED</u>					
	13 13 13M				
3921	T C EDWARDS	12.8	13.3	13.0	100
4866	YOPP SEED COMPANY	12.1*	14.2	12.7	99
	15 10 10M				
4865	YOPP SEED COMPANY	14.1*	10.3	10.1	97*
<u>TENNESSEE CHEMICAL COMPANY</u>					
	3 12 12M				
4692	HARRALSON SEED COMPANY	3.0	12.3	12.1	102
	4 12 8M				
4693	HARRALSON SEED COMPANY	4.0	11.9	7.9	99
	4 16 16M				
4694	HARRALSON SEED COMPANY	3.7*	16.4	15.3*	99
	5 10 10M				
4695	HARRALSON SEED COMPANY	5.0	10.1	10.1	101
	5 10 15S				
4698	HARRALSON SEED COMPANY	4.9	10.5	14.8	101
	6 8 6M				
4696	HARRALSON SEED COMPANY	5.9	8.3	6.2	101
	6 8 6S				
4699	HARRALSON SEED COMPANY	5.9	8.0	6.1	100
	6 12 12M				
4697	HARRALSON SEED COMPANY	5.8	12.5	11.9	101
	6 12 18S				
2965	TODD COUNTY SEED COMPANY	5.9	12.2	18.0	100
	10 10 10M WITH 3 LBS BORAX PER 100				
8219	FARMERS ELEVATOR	8.6*	10.5	9.3*	94*
<u>TENNESSEE CORPORATION</u>					
	0 20 20M				
453	SOMERSET SEED SERVICE INC		19.9	20.0	100
874	H R SQUIRES		20.0	20.4	101
1833	ICES PRODUCE		20.1	20.3	101
1872	WALTERS & THOMPSON		19.9	19.9	100
3963	UNION GROCERY COMPANY		19.7	18.1*	96*
	0 20 20M WITH 10 LBS BORAX PER 100				
686	SOMERSET SEED SERVICE INC		19.6*	20.0	99
873	H R SQUIRES		20.0	20.2	100
	2 12 6M				
687	SOMERSET SEED SERVICE INC	2.0	11.9	6.1	100
2926	COOPER BROTHERS	2.0	11.8	6.6	101
	3 12 12M				
468	FARMERS CASH STORE LIBERTY	3.0	11.7	12.1	99
549	DISHON CUSTOM MIXING	3.1	12.2	11.8	101
1603	GALLATIN COUNTY FARM SUPPLY	3.3	12.5	12.3	105
1657	WALTERS & THOMPSON	3.1	11.9	12.4	101

(1) SEE BORON TABLE PAGE 71

(2) SEE BORON TABLE PAGE 71

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957.

(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
TENNESSEE CORPORATION CONTINUED		(Percent)	(Percent)	(Percent)	
3 12 12M CONTINUED					
1983	ICES PRODUCE	3.0	11.9	12.2	100
2773	H R SQUIRES	3.0	11.6*	12.1	98*
2928	COOPER BROTHERS	3.0	12.4	12.1	102
3534	LYND HARDWARE	3.2	12.3	12.6	104
3609	SPEARS KISER COMPANY	3.0	12.4	12.5	103
3743	WALTERS & THOMPSON	3.2	10.4*	12.0	94*
6095	HAYDON MILL & GRAIN COMPANY	3.2	10.0*	12.3	93*
4 12 8M					
679	FARMERS CASH STORE LIBERTY	3.9	11.4*	8.3	97*
685	SOMERSET SEED SERVICE INC	3.8	12.8	8.6	104
819	I K MILLER & SON	3.9	12.0	8.3	100
1993	HAYDON MILL & GRAIN COMPANY	3.6*	12.1	8.1	98*
2688	I K MILLER & SON	3.9	12.2	8.3	101
2772	H R SQUIRES	3.9	11.9	7.8	98*
2821	HAGAN & STONE	3.8	12.5	8.2	101
3686	H T ROBERTS	4.0	12.7	8.3	104
3887	L B CORDEN	3.6*	11.9	8.2	97*
3960	UNION GROCERY COMPANY	4.1	12.7	8.7	105
3975	STAGGS BROTHERS	3.7*	11.8	8.0	97*
6023	WALTER EPPERSON	3.9	12.3	9.6	104
5 10 10M					
1982	ICES PRODUCE	5.1	9.9	9.9	100
3535	LYND HARDWARE	4.9	10.2	10.2	101
3659	BI COUNTY FARM BUREAU COOPERATIVE	4.9	10.1	10.2	100
3962	UNION GROCERY COMPANY	4.8	10.6	10.0	101
5208	L B CARDEN	5.0	10.3	10.2	102
8196	CANN BROTHERS	5.0	10.4	10.2	102
5 10 10S					
450	SOMERSET SEED SERVICE INC	4.7*	10.3	10.3	100
872	H R SQUIRES	4.7*	10.8	10.1	102
2820	HAGAN & STONE	4.6*	11.3	9.8	103
5 10 15S					
451	SOMERSET SEED SERVICE INC	5.0	11.2	14.7	104
477	ELLIOTTS STORE	4.9	9.9	14.2*	97*
550	DISHON CUSTOM MIXING	4.8	10.3	14.0*	98*
818	I K MILLER & SON	4.9	10.1	14.0*	98*
1733	WALTERS & THOMPSON	4.9	9.7	14.4*	97*
1832	ICES PRODUCE	4.9	10.3	14.3*	99
1873	WALTERS & THOMPSON	4.7*	10.0	14.3*	97*
1921	K C KARSNER	4.7*	10.2	15.0 (1)	99
1984	ICES PRODUCE	4.9	9.8	15.0	99
1994	HAYDON MILL & GRAIN COMPANY	4.9	10.1	15.0	100
2771	H R SQUIRES	4.9	10.5	14.8	101
2818	HAGAN & STONE	4.9	10.8	14.8	102
3491	FISHERS DEPARTMENT STORE	4.7*	10.9	15.1 (2)	102
3533	LYND HARDWARE	4.4*	11.5	14.6*(3)	102
3608	SPEARS KISER COMPANY	4.7*	10.6	15.0	101
3746	WALTERS & THOMPSON	4.9	9.5*	15.0	97*
3886	L B CORDEN	4.7*	9.7	15.4	98*
6022	WALTER EPPERSON	5.1	10.6	15.0 (4)	103
6096	HAYDON MILL & GRAIN COMPANY	4.9	9.7	15.2	99
8195	CANN BROTHERS	4.7*	9.6*	15.8	98*
5 20 20M					
548	DISHON CUSTOM MIXING	4.9	20.2	20.0	100
760	FOUNTAIN RUN MILLING COMPANY	4.9	20.2	20.0	100
1658	WALTERS & THOMPSON	4.7*	20.5	19.1*	99
1874	WALTERS & THOMPSON	4.8	20.3	20.0	100
3658	BI COUNTY FARM BUREAU COOPERATIVE	4.4*	20.5	19.2*	98*
3744	WALTERS & THOMPSON	5.0	20.1	20.4	101
6 8 6S					
2927	COOPER BROTHERS	5.9	8.5	6.7 (5)	104
3610	SPEARS KISER COMPANY	5.7*	8.6	6.4 (6)	102
3683	H T ROBERTS	5.9	8.5	6.2	102

(1) EXCESS MURIATE EQUIVALENT TO 0.3%

(2) EXCESS MURIATE EQUIVALENT TO 0.8%

(3) EXCESS MURIATE EQUIVALENT TO 0.6%

(4) EXCESS MURIATE EQUIVALENT TO 1.4%

(5) EXCESS MURIATE EQUIVALENT TO 1.3%

(6) EXCESS MURIATE EQUIVALENT TO 0.4%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>TENNESSEE CORPORATION CONTINUED</u>					
	10 10 10M				
452	SOMERSET SEED SERVICE INC	10.0	10.9	9.8	103
875	H R SQUIRES	9.6*	11.1	9.9	102
1656	WALTERS & THOMPSON	9.7*	10.9	10.4	102
1875	WALTERS & THOMPSON	9.7*	10.8	10.0	101
1920	K C KARSNER	9.9	10.9	10.0	103
2819	HAGAN & STONE	9.8	10.9	10.7	103
2924	COOPER BROTHERS	9.6*	10.8	9.9	101
3745	WALTERS & THOMPSON	9.6*	10.0	9.9	98*
3888	L B CORDEN	9.9	9.9	10.2	100
3961	UNION GROCERY COMPANY	8.8*	10.8	10.2	97*
3976	STAGGS BROTHERS	9.9	10.4	10.7	102
8197	CANN BROTHERS	10.1	9.9	10.0	100
	20 SUPERPHOSPHATE				
469	FARMERS CASH STORE LIBERTY		20.7		103
2925	COOPER BROTHERS		20.2		101
3655	BI COUNTY FARM BUREAU COOPERATIVE		19.8		99
<u>TRI STATE CHEMICAL CO</u>					
	0 20 20M				
5148	KEVIL FEED & SUPPLY COMPANY		19.1*	21.0	99
	0 30 30M				
5137	J E WARD & SONS		29.1*	30.6	99
5168	TRI STATE CHEMICAL COMPANY		29.7	29.4*	99
	3 12 12M				
4710	TRI STATE CHEMICAL COMPANY	3.3	12.9	11.6*	105
5169	TRI STATE CHEMICAL COMPANY	3.6	11.9	12.8	105
	4 12 8M				
4711	TRI STATE CHEMICAL COMPANY	4.2	12.9	8.1	106
4876	CRAFTON FARM SERVICE	4.0	12.3	8.6	103
4969	PETE O NAN	3.9	12.3	8.2	101
	4 16 16M				
4712	TRI STATE CHEMICAL COMPANY	4.6	15.5*	17.8	104
4745	FARMERS COOPERATIVE MADISONVILLE	4.2	15.6*	16.5	101
	5 10 15S				
4719	TRI STATE CHEMICAL COMPANY	5.0	10.2	15.0	101
4747	FARMERS COOPERATIVE MADISONVILLE	4.9	10.4	15.0	101
4877	CRAFTON FARM SERVICE	4.9	10.0	15.0	99
	5 15 10M				
4713	TRI STATE CHEMICAL COMPANY	5.3	14.9	9.9	101
5167	TRI STATE CHEMICAL COMPANY	4.8	14.3*	11.3	99
	5 20 20M				
4714	TRI STATE CHEMICAL COMPANY	5.2	19.6	19.8	99
4746	FARMERS COOPERATIVE MADISONVILLE	4.7*	20.3	19.4*	99
	6 8 6M				
4715	TRI STATE CHEMICAL COMPANY	6.0	9.0	6.2	106
4800	NORRIS HARDWARE & SEED COMPANY	5.9	8.9	6.2	104
	6 12 12M				
4716	TRI STATE CHEMICAL COMPANY	5.9	12.3	12.5	101
4878	CRAFTON FARM SERVICE	5.9	12.0	11.8	99
	10 10 10M				
4717	TRI STATE CHEMICAL COMPANY	9.8	10.3	10.1	100
4801	NORRIS HARDWARE & SEED COMPANY	9.9	10.3	10.2	101

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>TRI STATE CHEMICAL COMPANY CONTINUED</u>					
		(Percent)	(Percent)	(Percent)	
4718	12 12 12M TRI STATE CHEMICAL COMPANY	11.7*	12.5	12.5	101
4709	45 TRIPLE SUPERPHOSPHATE TRI STATE CHEMICAL COMPANY		46.4		103
4708	50 SULFATE OF POTASH TRI STATE CHEMICAL COMPANY			50.4	101
4707	60 MURIATE OF POTASH TRI STATE CHEMICAL COMPANY			60.4	101
<u>U S STEEL CORPORATION</u>					
3482	20 6 AMMONIUM SULFATE RICHARD FRYMAN	21.0			102
3623	21 AMMONIUM SULFATE EARL KENDALL	21.3			101
<u>VALLEY COUNTIES OF KY COOP INC</u>					
3914	0 30 30M FARMERS GIN COMPANY		30.1	29.7	100
4811	HUTSON CHEMICAL COMPANY		35.0	27.3*	108
5078	LIVINGSTON COUNTY COOP SOIL IMP ASSN		32.1	27.1*	101
5163	TRIGG COUNTY SOIL IMPROVEMENT COOP		32.5	27.1*	102
4767	4 12 8M GRAVES COUNTY SOIL ASSOCIATION	4.2	11.6*	9.2	102
4825	CALLOWAY CO SOIL IMPROVEMENT ASSN	4.4	11.8	8.6	103
5079	LIVINGSTON COUNTY COOP SOIL IMP ASSN	4.1	12.1	9.1	104
5080	6 24 24M LIVINGSTON CO COOP SOIL IMP ASSN	5.8	22.0*	23.8	95*
5162	TRIGG COUNTY SOIL IMPROVEMENT COOP	5.5*	21.8*	25.6	95*
4769	8 24 16M GRAVES COUNTY SOIL ASSOCIATION	7.3*	25.1	14.6*	99
4826	CALLOWAY CO SOIL IMPROVEMENT ASSN	8.3	24.2	16.0	101
4681	10 30 20M GEORGE PATMOR & SON	9.6*	30.5	18.8*	99
4827	CALLOWAY CO SOIL IMPROVEMENT ASSN	9.9	30.2	19.5*	100
4896	SOUTHERN STATES CRITTENDEN COOP	9.6*	31.5	20.7	102
5020	LYON COUNTY SOIL IMPROVEMENT ASSN	10.0	30.8	20.0	101
4748	33 5 AMMONIUM NITRATE FARMERS COOPERATIVE MADISONVILLE	33.6			100
5021	LYON COUNTY SOIL IMPROVEMENT ASSN	33.5			100
4824	48 TRIPLE SUPERPHOSPHATE CALLOWAY CO SOIL IMPROVEMENT ASSN		49.0		102
4918	49 TRIPLE SUPERPHOSPHATE BUGG BROTHERS FEED & SUPPLY COMPANY		49.0		100
4684	62 CALCIUM METAPHOSPHATE BALLARD COUNTY COOPERATIVE		62.2		100
4749	FARMERS COOPERATIVE MADISONVILLE		62.6		101

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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
VALLEY COUNTIES OF KY COOP CONTINUED (Percent) (Percent) (Percent)					
5161	50 SULFATE OF POTASH TRIGG COUNTY SOIL IMPROVEMENT COOP			49.6 (1)	99
2961	60 MURIATE OF POTASH WEST KENTUCKY STATE HOSPITAL			59.0*	98*
4768	GRAVES COUNTY SOIL ASSOCIATION			60.0	100
4803	KENTUCKY STATE PENITENTIARY			60.5	101
VIRGINIA CAROLINA CHEMICAL CORP					
707	0 20 20M ELFORD HAYES	20.3	19.3*	100	
733	CUNDIFF SEED COMPANY	20.6	20.5	103	
927	VIRGINIA CAROLINA CHEMICAL CORP	19.9	20.0	100	
2711	VIRGINIA CAROLINA CHEMICAL CORP	19.0*	19.9	97*	
8142	AGNES DAVIS	19.2*	20.0	97*	
726	0 20 20M WITH 5 LB BORAX PER 100 (2) DUNNINGTON MILLING COMPANY	20.9	20.2	103	
2712	VIRGINIA CAROLINA CHEMICAL CORP	19.2*	21.6	100	
3827	VIRGINIA CAROLINA CHEM WHSE DANVILLE	22.3	18.8*	106	
2837	2 12 6M U L ROGERS & SON	2.5	1.35	6.4	114
2856	AGNES DAVIS	2.3	1.21	6.7	105
3929	ROBINSON IMPLEMENT & MOTOR COMPANY	2.5	1.24	7.1	109
5009	TRIGG COUNTY TRADING COMPANY	2.5	1.20	7.2	108
5171	SALEM FEED & SEED COMPANY	2.2	1.17	6.4	101
8118	NOEL HARVEY	2.3	1.18	6.9	104
8141	AGNES DAVIS	2.1	1.22	6.5	103
702	3 12 6M ARRON & COLLINS	3.1	11.6*	6.4	100
446	3 12 12M DUNNINGTON MILLING COMPANY	3.2	13.0	12.0	106
597	MACK EMERSON STORE	3.1	12.0	12.5	102
740	PURKEY & DAVIS	3.2	12.4	12.5	104
1985	GRIGSBY & COMPANY	3.3	12.4	12.0	104
2787	AGNES DAVIS	3.1	12.2	12.5	103
2836	U L ROGERS & SON	3.3	13.2	12.0	107
3742	SHELBY FEED & SEED COMPANY	3.1	12.3	11.9	102
4941	YOUNG LUMBER COMPANY	3.3	12.0	12.2	102
4090	SALEM FEED & SEED COMPANY	3.2	11.9	12.2	101
8012	HOWARD ELI	3.2	11.6*	12.2	100
8144	AGNES DAVIS	3.0	12.4	11.9	102
8146	AGNES DAVIS	3.2	11.9	12.2	101
8206	ALDRIDGE & BARNETT	3.5	11.5*	12.2	102
2854	3 12 12 3M 9S AGNES DAVIS	3.3	12.1	12.2	103
763	4 12 4M JOHNSON & HARRISON	4.1	11.9	5.0	103
448	4 12 8M DUNNINGTON MILLING COMPANY	3.6*	14.2	9.3	110
449	CUNDIFF SEED COMPANY	4.1	13.5	8.1	108
496	MADISON FARMERS SUPPLY COMPANY	4.2	12.2	8.1	103
727	DUNNINGTON MILLING COMPANY	4.1	13.0	8.1	105
739	PURKEY & DAVIS	4.3	13.4	8.1	109
765	JOHNSON & HARRISON	4.1	11.5*	8.1	99
802	BIG FOUR FEED & IMPLEMENT COMPANY	4.1	12.3	8.4	103
978	CAVERNA FARM SERVICE	4.0	11.8	8.6	100
1732	SHELBY FEED & SEED COMPANY	3.9	13.5	8.8	108
2716	VIRGINIA CAROLINA CHEMICAL CORP	4.2	11.8	8.5	102
2789	AGNES DAVIS	4.1	11.8	8.4	101
2835	U L ROGERS & SON	4.1	13.1	8.4	107
2937	UPTON SWEET FEED MILL	4.1	12.1	8.8	103

(1) EXCESS MURIATE EQUIVALENT TO 3.2%

(2) SEE BORON TABLE PAGE 71

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1957

(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>VIRGINIA CAROLINA CHEMICAL CONTINUED</i>					
		(Percent)	(Percent)	(Percent)	
4 12 8M CONTINUED					
3930	ROBINSON IMPLEMENT & MOTOR COMPANY	4.1	11.5*	8.9	100
4679	MAXWELL FEED STORE	4.1	11.9	8.4	101
4812	ROSS FEED COMPANY	4.1	12.0	8.6	102
6049	GRIGSBY & COMPANY HARDWARE	3.9	11.8	8.6	100
8014	HOWARD ELI	4.3	12.1	8.2	103
8117	NOEL HARVEY	4.2	11.2*	8.8	100
8147	AGNES DAVIS	4.2	11.5*	8.2	100
8149	AGNES DAVIS	4.2	11.3*	8.4	99
4 12 8M PESTICIDE					
926	VIRGINIA CAROLINA CHEMICAL CORP (1)	4.0	12.3	8.1	102
5149	KEVIL FEED & SUPPLY COMPANY (2)	3.9	12.1	8.9	102
4 12 8 2M 6S					
2786	AGNES DAVIS	4.0	12.1	8.0	100
5 10 10M					
616	DUNNINGTON MILLING COMPANY	5.1	11.0	9.9	105
741	PURKEY & DAVIS	4.9	11.2	10.2	105
764	JOHNSON & HARRISON	4.7*	10.4	10.3	100
1680	GRIGSBY & COMPANY	5.3	11.1	10.5	108
1988	GRIGSBY & COMPANY	4.6*	10.9	10.0	101
2859	AGNES DAVIS	4.8	10.4	10.5	102
6048	GRIGSBY & COMPANY HARDWARE	5.0	9.9	10.8	101
8143	AGNES DAVIS	4.7*	10.3	10.5	100
5 10 10S					
502	ELFORD HAYES	5.0	10.2	10.0	101
600	ELFORD HAYES	4.9	10.2	10.2	101
738	J W PURKEY & SONS	5.2	11.1	10.6	108
886	U L ROGERS & SON	4.8	10.4	9.9 (3)	100
1987	GRIGSBY & COMPANY	5.1	11.5	10.3	108
2947	R D REYNOLDS	4.6*	10.4	10.1 (4)	99
3500	STAGGS BROTHERS	5.1	11.0	10.4	106
3685	H T ROBERTS	4.9	11.5	10.3	107
4993	E M OSBORNE GENERAL STORE	5.3	10.4	10.6	105
5010	TRIGG COUNTY TRADING COMPANY	5.3	10.5	10.0 (5)	104
8010	HOWARD ELI	5.1	10.4	10.2	103
5 10 15S					
436	A B SHEARER	4.9	11.2	16.0	106
447	DUNNINGTON MILLING COMPANY	5.1	11.1	15.0	105
497	MADISON FARMERS SUPPLY	5.2	11.2	15.0	106
596	MACK EMERSON STORE	4.9	10.3	14.2*	99
732	CUNDIFF SEED COMPANY	5.0	10.7	15.0	103
737	J W PURKEY & SONS	5.2	11.3	15.0	106
742	PURKEY & DAVIS	5.0	10.8	15.0	103
781	BIG FOUR FEED & IMPLEMENT COMPANY	5.0	10.6	13.7*	100
804	BIG FOUR FEED & IMPLEMENT COMPANY	4.9	9.5*	15.0 (6)	97*
977	CAVERNA FARM SERVICE	4.8	10.3	14.3*	99
1681	GRIGSBY & COMPANY	5.0	11.7	14.6*	106
2710	OMAR PACE	4.7*	10.7	15.3	102
2788	AGNES DAVIS	5.0	10.1	15.0	100
2938	UPTON SWEET FEED MILL	4.8	10.2	15.6	101
2946	R D REYNOLDS	4.7*	10.5	14.1*	98*
3499	STAGGS BROTHERS	5.2	11.0	15.3	106
3607	WOODFORD SPEARS & SONS	5.1	11.2	14.8	105
3874	SHELBY FEED & SEED COMPANY	5.0	10.7	15.0	103
4942	YOUNG LUMBER COMPANY	5.3	10.2	13.5*	100
8013	HOWARD ELI	5.0	10.1	14.9	100
8024	TODD COUNTY GRAIN COMPANY	5.0	9.9	15.0	100
8116	NOEL HARVEY	5.0	10.1	14.1*	99
8145	AGNES DAVIS	5.1	10.0	15.2	101
5 20 20M					
568	HARDY BROTHERS	5.2	21.2	20.1	104
617	DUNNINGTON MILLING COMPANY	5.0	20.8	20.0	102
3826	VIRGINIA CAROLINA CHEM WHSE DANVILLE	5.2	21.6	19.6*	105
3873	SHELBY FEED & SEED COMPANY	5.0	20.7	20.0	102
6 8 6M					
2715	VIRGINIA CAROLINA CHEMICAL CORP	6.0	8.4	6.4	103
2853	AGNES DAVIS	5.5*	9.5	8.3	110
4943	YOUNG LUMBER COMPANY	5.6*	9.1	7.8	107

(1) ALDRIN GUARANTEED 0.50%-----FOUND 0.52%

(2) ALDRIN GUARANTEED 0.50%-----FOUND 0.54%

(3) EXCESS MURIATE EQUIVALENT TO 1.0%

(4) EXCESS MURIATE EQUIVALENT TO 0.6%

(5) EXCESS MURIATE EQUIVALENT TO 0.7%

(6) EXCESS MURIATE EQUIVALENT TO 0.97%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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 CHEMICAL CONTINUED</u>					
6 8 6S					
503	ELFORD HAYES	5.8	8.2	6.1	100
2833	U L ROGERS & SON	5.1*	9.1	6.4	100
2939	UPTON SWEET FEED MILL	5.5*	8.4	6.1	99
6 12 12M					
501	ELFORD HAYES	6.0	12.4	12.0	101
976	CAVERNA FARM SERVICE	5.9	12.2	12.0	100
1731	SHELBY FEED & SEED COMPANY	5.8	13.0	12.5	104
2713	VIRGINIA CAROLINA CHEMICAL CORP	6.4	11.5*	13.0	102
2857	AGNES DAVIS	6.0	12.0	12.5	101
3684	H T ROBERTS	5.9	12.9	12.7	104
4991	SALEM FEED & SEED COMPANY	6.3	12.1	12.0	102
5011	TRIGG COUNTY TRADING COMPANY	6.0	11.9	12.0	100
8011	HOWARD ELI	6.4	12.4	12.4	104
8043	R D REYNOLDS	6.3	12.3	12.6	104
8148	AGNES DAVIS	6.0	12.2	11.6*	100
8155	MORGANTOWN MILLING COMPANY	6.3	12.1	12.0	102
8205	ALDRIDGE & BARNETT	6.0	11.6*	11.9	98*
8 24 16M					
782	BIG FOUR FEED & IMPLEMENT COMPANY	8.0	23.7	16.2	100
803	BIG FOUR FEED & IMPLEMENT COMPANY	7.9	24.5	16.2	101
2966	TODD COUNTY SEED COMPANY	8.0	22.4*	17.0	98*
3931	ROBINSON IMPLEMENT & MOTOR COMPANY	8.1	23.9	16.0	100
5022	KUTTAWA FEED & SEED COMPANY	7.9	25.4	14.6*	101
8023	TODD COUNTY GRAIN COMPANY	8.1	23.9	16.0	100
10 10 10M					
437	A B SHEARER	10.2	11.2	10.5	106
615	DUNNINGTON MILLING COMPANY	10.0	10.7	10.7	104
728	DUNNINGTON MILLING COMPANY	9.8	10.2	10.7	101
885	U L ROGERS & SON	9.9	10.1	10.0	100
1679	GRIGSBY & COMPANY	10.1	11.6	10.0	106
2714	VIRGINIA CAROLINA CHEMICAL CORP	10.5	10.1	10.1	103
2855	AGNES DAVIS	9.5*	10.6	10.5	100
2964	TRENTON HARDWARE COMPANY	10.2	10.0	10.0	101
3932	ROBINSON IMPLEMENT & MOTOR COMPANY	9.8	10.8	10.7	103
4944	YOUNG LUMBER COMPANY	10.1	10.1	10.2	101
4992	SALEM FEED & SEED COMPANY	10.2	10.0	10.2	101
6047	GRIGSBY & COMPANY HARDWARE	9.5*	10.5	10.2	100
8025	TODD COUNTY GRAIN COMPANY	9.9	10.1	10.0	100
8049	FARMERS FEED & HDWE CO BOWLING GREEN	9.3*	10.3	10.5	98*
12 12 12M					
3740	SHELBY FEED & SEED COMPANY	12.3	12.7	12.5	104
20 SUPERPHOSPHATE					
1986	GRIGSBY & COMPANY		21.1		105
2834	U L ROGERS & SON		21.4		107
2858	AGNES DAVIS		19.3*		97*
2953	LANDERS HARDWARE COMPANY		19.1*		95*
3741	SHELBY FEED & SEED COMPANY		21.4		107
4989	SALEM FEED & SEED COMPANY		20.1		100
5008	TRIGG COUNTY TRADING COMPANY		20.0		100
48 SULFATE OF POTASH WITH ALDRIN					
925	VIRGINIA CAROLINA CHEMICAL CORP (1)			49.0	102
60 MURIATE OF POTASH					
2708	VIRGINIA CAROLINA CHEMICAL CORP			60.2	100
<u>WEST KENTUCKY LIQUID FERTILIZER CO</u>					
4 11 11M					
8237	WEST KENTUCKY LIQUID FERTILIZER CO	3.8	10.0*	10.7	100
8239	WEST KENTUCKY LIQUID FERTILIZER CO	4.4	11.1	10.8	103

(1) ALDRIN GUARANTEED 1.5%-----FOUND 1.4%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1957

(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>WEST KENTUCKY LIQUID FERT CONTINUED</u>	(Percent)	(Percent)	(Percent)	
8240	6 18 6M WEST KENTUCKY LIQUID FERTILIZER CO	65	16.4*	6.8	99
8211	8 8 8M WEST KENTUCKY LIQUID FERTILIZER CO	85	7.7*	8.1	102
8238	12 6 6M WEST KENTUCKY LIQUID FERTILIZER CO	122	6.1	6.5	102
	<u>ZIRCON PRODUCTS COMPANY</u>				
9033	6 18 6 LIQUID FERTILIZER BOURBON HATCHERY	59	18.7	59	102

TABLE 2 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tricalcium Phosphate, January-June 1957

(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).

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>TENNESSEE COAL & IRON DIVISION OF U. S. STEEL</u>						
Basic Slag						
941	Gillispie Seed Company	---	---	8.0	10.5	131
<u>THE AMERICAN AGRICULTURAL CHEMICAL COMPANY</u>						
Rock Phosphate						
655	Becham Garland	3.0	4.0	30.0	31.8	106
3660	Bi-County Farm Bureau Coop.	3.0	3.7	30.0	31.8	106
3942	Farmers Supply Co., Paintsville	3.0	3.2	31.0	33.3	107
3523	Louisa Supply Company	3.0	2.7*	27.0	32.2	119
<u>ROBIN JONES PHOSPHATE COMPANY</u>						
Rock Phosphate						
2707	Cayce-Yost	3.0	4.0	30.0	30.1	121
2951	W. G. Aldridge Grocery	3.0	2.9	30.0	30.6	102
4799	Davison Chem. Co. Whse., Owensboro	3.0	3.0	30.0	28.5*	95*
4859	Yopp Seed Company	3.0	3.0	30.0	30.2	101
<u>RUHM PHOSPHATE & CHEMICAL COMPANY</u>						
Rock Phosphate						
5199	Lawn & Garden Center	---	---	30.0	26.2*	87*
2796	H. D. Jones	3.0	3.0	30.0	30.0	100
4791	Bakers Phos. & Fert. Service	3.0	3.6	30.0	28.4*	94*
8224	H. D. Jones	3.0	3.0	30.0	30.3	100
<u>SCHROCK FERTILIZER SERVICE</u>						
Rock Phosphate						
5126	Crafton & Duncan & Sinkhorn	---	---	33.0	32.1*	97*
<u>THOMPSON SALES COMPANY</u>						
Soft Phosphate with Colloidal Clay						
4862	Yopp Seed Company	2.0	2.5	20.0	20.8	104
4936	Austin & Austin Seed Company	2.0	3.2	20.0	20.3	102

TABLE 3 - Analyses of Inspection Samples, of Bone, Dried Manures, etc., January-June 1957

(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).

Station Number	Manufacturer, Brand Name and From Whom Obtained	Nitrogen (Percent)	Total Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
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ARMOUR FERTILIZER WORKS

Bone Meal

4785	Galloway Seed Company	2.5	24.6*		105
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THE SEWERAGE COMMISSION OF MILWAUKEE

5.5-4-0 Milorganite

5197	Lawn & Garden Center	5.7	4.4		104
6129	Bunton Seed Company	5.9	4.6		108

ARMOUR FERTILIZER WORKS

5-5-0 Organic Plant Food

4778	Galloway Seed Company	5.1	9.0		139
5198	Lawn & Garden Center	5.2	6.3		108

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

Page	Sample	Boron Guaranteed	Boron Found
6	1695	0.33	0.30
	3550	0.34	0.32
9	1978	0.57	0.43
17	3430	0.57	0.56
19	1834	0.57	0.48
23	3636	0.34	0.38
	395	0.45	0.46
	456	0.45	0.43
	462	0.45	0.41
	518	0.45	0.43
	565	0.45	0.42
	571	0.45	0.45
	848	0.45	0.45
	891	0.45	0.45
	975	0.45	0.43
	1692	0.45	0.45
	1849	0.45	0.42
	1852	0.45	0.42
	1870	0.45	0.48
	2802	0.45	0.45
	3618	0.45	0.45
	3705	0.45	0.41
	3721	0.45	0.45
	3791	0.45	0.42
	3934	0.45	0.38
3964	0.45	0.51	
3979	0.45	0.40	
5170	0.45	0.38	
6075	0.45	0.38	
6122	0.45	0.37	
8035	0.45	0.47	
8208	0.45	0.36	
29	773	0.23	0.29
	2879	0.22	0.19
	1595	0.57	0.27
	1729	0.57	0.49
33	2952	0.45	0.40
35	8184	0.57	0.42
	428	0.56	0.52
	1753	0.57	0.47
	3991	0.57	0.43
	4847	0.56	0.50
	5101	0.57	0.51
	8026	0.57	0.50
	8204	0.57	0.49

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

Page	Sample	Boron Guaranteed	Boron Found
41	8109	0.57	0.57
45	651	0.34	0.27
52	1734	0.57	0.50
54	1635	0.50	0.90
	1637	1.20	1.00
	1655	0.57	0.46
	1876	0.57	0.51
	1889	1.00	1.10
	1922	0.57	0.56
60	8219	0.34	0.37
	686	1.37	1.42
	873	1.37	1.37
64	726	0.57	0.50
	2712	0.57	0.48
	3827	0.57	0.46

4.5M--9-57