

Regulatory Bulletin 150

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# ANALYSES OF OFFICIAL FERTILIZER SAMPLES

by the

FEED AND FERTILIZER DEPARTMENT

KENTUCKY AGRICULTURAL EXPERIMENT STATION

SEMI-ANNUAL REPORT

SPRING SEASON

JANUARY-JUNE, 1958



UNIVERSITY OF KENTUCKY, LEXINGTON

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This report compiled and prepared by David M. Daugherty and Bruce Poundstone  
Analytical data by the Laboratory Staff



COMMERCIAL FERTILIZER IN KENTUCKY, SPRING SEASON 1958

This bulletin contains analyses of official samples of commercial fertilizers offered for sale in Kentucky between January 1, 1958 and June 30, 1958.

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				50.0

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

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

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

## COMPANIES REPRESENTED BY SAMPLES REPORTED IN THIS BULLETIN

- Allied Chemical & Dye Corporation  
Nitrogen Division  
40 Rector St., New York, N. Y.
- American Agricultural Chemical Co.  
50 Church Street  
New York, New York
- American Cyanamid Company  
30 Rockefeller Plaza  
New York, New York
- Armour Fertilizer Works  
350 Hart Bldg., Atlanta, Georgia
- Associated Cooperative, Inc.  
312 Montgomery Avenue  
Sheffield, Alabama
- Bartlett & O'Bryan Fertilizer Company  
108 River Road, Owensboro, Ky.
- Bluegrass Plant Foods, Inc.  
Cynthiana, Kentucky
- The Borden Company  
350 Madison Avenue  
New York, New York
- 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 Corporation  
Lucas & Ortho Way  
Richmond, California
- Chicago Stockyard Compost Company  
Chicago, Illinois
- Chilean Nitrate Sales Corporation  
120 Broadway, New York, N. Y.
- Commercial Solvents Corporation  
260 Madison Avenue  
Chicago, Illinois
- Commonwealth Fertilizer Company, Inc.  
Morgantown Rd., Russellville, Ky.
- Consolidated Chemical Company  
Miller's Lane, Louisville, Kentucky  
(See Price Chemical Company)
- Cooperative Fertilizer Service  
S. S. Bldg., Richmond, Virginia
- Cooperative Seed & Farm Supply Service  
S. S. Bldg., Richmond, Virginia
- Darling & Company  
Chicago, Illinois
- Davison Chemical Corporation  
Baltimore, Maryland
- E. I. Du Pont de Nemours & Company  
Wilmington, Delaware
- E'Town Anhydrous Ammonia Company  
Elizabethtown, Kentucky
- E'Town Fertilizer Company  
716 E. Dixie Avenue  
Elizabethtown, Kentucky
- Farmers Fertilizer Company  
Smiths Grove, Kentucky
- Federal Chemical Company  
Starks Bldg., Louisville, Kentucky
- Grace Chemical Company  
Memphis, Tennessee
- Hawthorne Laboratories  
Louisville, Kentucky
- Hillenmyer Nurseries  
Lexington, Kentucky
- 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)
- Mathieson Chemical Corporation  
Lake Charles, Florida
- Midsouth Chemical Company, Inc.  
1235 Riverside Dr.  
Memphis, Tennessee



continued from previous page

Mississippi Chemical Company  
Yazoo City, Mississippi

Mississippi River Chemical Corporation  
Selma, Missouri

Missouri Plant Food Company, Inc.  
Sikeston, Missouri

Monsanto Chemical Company  
1700 South Second Street  
St. Louis, Missouri

Morrison Farm Service  
Hodgenville, Kentucky

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

The Ohio Valley Fertilizer Corp.  
Maysville, Kentucky

Phillips Petroleum Company  
Bartlettsville, Oklahoma

Price Chemical Company  
Miller's Lane  
Louisville, Kentucky

Ra-Pid-Gro Corporation  
88 Ossian St.  
Dansville, New York

Robin Jones Phosphate Company  
2001 Broadway  
Nashville, Tennessee

Rottgering Distributing Company  
2600 Cairo Road  
Paducah, Kentucky

F. S. Royster Guano Company  
Norfolk, Virginia

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

Schrock Fertilizer Service  
Congerville, Illinois

O. M. Scott & Sons Company  
Marysville, Ohio

Smith Agricultural Chemical Company  
185 Kentucky Avenue  
Indianapolis, Indiana

Spencer Chemical Company  
Box 604, Pittsburg, Kansas

Stinson Farm Supply  
Horse Cave, Kentucky

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. Phosphoric Products  
Division of Tennessee Corporation  
Tampa, Florida

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

## EXPLANATION OF "STANDING OF MANUFACTURERS"

The standings of manufacturers as determined by the results of analysis of official samples are given on pages 7 and 8. Purchasers of fertilizer can learn through a study of this how well any manufacturer met his guarantee on the samples analyzed.

It should be noted that the first 3 columns of figures refer to number of samples and that the last 3 columns refer to number of analysis of nitrogen, phosphoric acid and potash. Attention is directed to the third column of figures which gives for each manufacturer, the percentage of samples which are equal to guaranty in all respect, and to column 6, which gives the percentage of analysis which are equal to guaranty or within the tolerance. This tolerance is on a sliding scale varying with the guarantee as follows:

<u>Percent Guarantee in Nitrogen, Phosphoric Acid or Potash</u>	<u>Tolerance</u>
0- 9	0.2
10-19	0.3
20-25	0.4
26-34	0.5
35-39	0.6
40-49	0.7
50-59	0.8
60 or more	0.9

## EXPLANATION OF TABLES 1, 2 &amp; 3

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

The results of analysis of all inspection samples are given in Tables 1, 2 and 3. If an analysis shows a deficiency of more than the tolerance in the above table, the amount claimed for nitrogen, phosphoric acid, or potash, or if the percent of the relative value is 98 or less, the result is indicated in the tables by an asterisk by the figures.



Standing of Manufacturers Based on Samples Equal to Guaranty in All Respects  
and Analyses Within Tolerance - January-June 1958

COMPANY	Samples			Analyses of nitrogen, phosphoric acid, potash, boron and pesticides		
	Total Number	Equal to guaranty in all respects		Total Number	Equal to guaranty or within tolerance**	
		Number	Percent*		Number	Percent*
Allied Chemical & Dye Corp.	8	7	88	12	12	100
American Agricultural Chemical	118	69	58	396	354	89
American Cyanamid	4	4	--	4	5	--
Armour Fertilizer Works	471	232	49	1,464	1,265	86
Louisville Fertilizer Co.	5	2	40	15	13	87
Tennessee Chemical Co.	12	6	50	34	30	88
Associated Cooperative, Inc.	25	19	76	55	51	93
Bartlett & O'Bryan Fert. Co.	37	9	24	107	69	64
Bluegrass Plant Foods	120	53	44	391	335	86
The Borden Company	1	1	--	1	1	--
The Buhner Fertilizer Company	8	6	75	27	25	93
Bunton Seed Company	4	2	--	12	10	--
Burley Belt Plant Foods	44	17	39	144	125	87
California Spray Chemical Corp.	1	1	--	3	3	--
Chicago Stockyard Compost Co.	1	1	--	3	3	--
Chilean Nitrate Sales Corp.	1	1	--	1	1	--
Commercial Solvents Corporation	4	2	--	4	4	--
Commonwealth Fertilizer Company	39	15	38	115	97	84
Consolidated Chemical Company (See Price Chemical Company)						
Consolidated Chemical Industries	1	1	--	2	2	--
Cooperative Fertilizer Service	320	201	63	952	862	91
Cooperative Seed & Farm Supply	4	4	--	9	9	--
Darling & Company	34	11	32	102	80	78
Davison Chemical Corporation	211	56	27	640	486	76
E. I. Du Pont de Nemours & Co.	1	1	--	1	1	--
E'Town Anhydrous Ammonia Co.	4	--	--	12	4	--
E'Town Fertilizer Company	13	5	38	43	37	86
Farmers Fertilizer Company	12	5	42	38	32	84
Federal Chemical Company	330	127	38	1,031	835	81
Grace Chemical Company	5	5	100	5	5	100
Hawthorne Laboratories	1	1	--	3	3	--
Hillenmyer Nurseries	1	1	--	3	3	--
Hutson Chemical Company	26	13	50	73	60	82
Hydroponic Chemical Company	1	1	--	3	3	--
International Min. & Chem. Corp.	197	78	40	622	513	82
Kentucky Fertilizer Works	33	17	52	112	99	88
Knoxville Fertilizer Company	149	83	56	465	408	88
Land-O-Nan Warehouse	22	10	45	59	42	71
Louisville Fertilizer Company (See Armour Fertilizer Works)						
Mathieson Chemical Corporation	1	1	--	1	1	--
Midsouth Chemical Company	11	11	100	11	11	100
Mississippi Chemical Corporation	3	2	--	3	3	--
Mississippi River Chemical Corp.	2	2	--	2	2	--
Missouri Plant Food	13	10	77	37	36	97
Monsanto Chemical Company	4	4	--	4	4	--
Morrison Farm Service	1	1	--	3	3	--
North American Fertilizer Co.	117	57	49	357	315	88
Ohio Valley Fertilizer Corp.	43	19	44	138	109	79
Phillips Petroleum Company	1	1	--	1	1	--
Price Chemical Company	64	43	67	211	197	93
Consolidated Chemical Company	12	9	75	41	39	95
Rapid Gro Corporation	1	--	--	3	2	--
Robin Jones Phosphate Company	5	2	40	10	9	90
Rottgering Distributing Co.	2	1	--	6	5	--
F. S. Royster Guano Company	1	1	--	3	3	--
Ruhm Phosphate & Chemical Co.	5	3	60	10	9	90
Schrock Fertilizer Service	2	2	--	2	2	--
O. M. Scott & Sons	3	2	--	9	9	--

\* Percent is not indicated when number of samples is less than 5

\*\* See "Tolerance Scale" on page 6

Standing of Manufacturers Based on Samples Equal to Guaranty in All Respects  
and Analyses Within Tolerance - January-June 1958

COMPANY	Samples			Analyses of nitrogen, phosphoric acid, potash, boron and pesticides		
	Total Number	Equal to guaranty in all respects		Total Number	Equal to guaranty or within tolerance**	
		Number	Percent*		Number	Percent*
The Smith Agricultural Chem. Co.	3	3	--	9	9	--
Southern States (See Cooperative Fert. Serv.)						
Spencer Chemical Company	5	5	100	5	5	100
Stinson Farm Supply	1	--	--	2	1	--
Swift & Company	49	25	51	159	137	86
Tennessee Chemical Company (See Armour Fertilizer Works)						
Tennessee Corporation	94	54	57	294	266	90
U. S. Phosphoric Products	1	1	--	1	1	--
Thompson Sales Company	2	1	--	4	3	--
Tri-State Chemical Company	35	14	40	94	76	81
U. S. Phosphoric Products (See Tennessee Corporation)						
U. S. Steel Corporation	1	1	--	1	1	--
Valley Counties of Kentucky	34	14	41	75	58	76
Victor Chemical Works	2	2	--	6	6	--
Virginia-Carolina Chemical Corp.	162	99	61	500	451	90
West Kentucky Liquid Fert. Corp.	34	5	15	94	63	67
TOTAL	2,982	1,462	49%	9,059	7,724	85%

\* Percent is not indicated when number of samples is less than 5

\*\* See "Tolerance Scale" on page 6



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ALLIED CHEM &amp; DYE CORP NIT DIV</u>					
	12 12 12M				
8413	SOUTHERN STATES BOWLING GREEN COOP	12.9	12.0	11.8	103
9116	12TH STREET FEED STORE	12.0	12.4	12.0	101
	NITROGEN SOLUTION				
7727	LAND O NAN WAREHOUSE	32.2			101
	AMMONIUM NITRATE				
5548	SOUTHERN STATES MADISONVILLE COOP	33.7			101
5984	BROOKS SERVICE STATION	33.5			100
8412	SOUTHERN STATES BOWLING GREEN COOP	34.0			101
9158	SPHAR & COMPANY	34.0			101
	UREA				
5922	LAND O NAN WAREHOUSE	45.3			101
<u>AMERICAN AGRICULTURAL CHEMICAL CO</u>					
	0 20 20M				
6878	AMERICAN AGRI CHEM WHSE LOUISVILLE		20.3	20.0	101
9143	AMERICAN AGRI CHEM WHSE LEXINGTON		20.2	17.2*	96*
9191	FARMERS FEED & SUPPLY FARMERS		20.3	18.9*	99
9327	AMERICAN AGRI CHEM WHSE LEXINGTON		19.4*	20.1	98*
	0 20 20M WITH 5 LBS BORAX PER 100 <sup>(1)</sup>				
6373	LEBANON CARRIAGE & IMPLEMENT COMPANY		18.4*	20.6	96*
9144	AMERICAN AGRI CHEM WHSE LEXINGTON		18.3*	20.0	94*
9328	AMERICAN AGRI CHEM WHSE LEXINGTON		18.7*	19.1*	94*
9638	BI COUNTY FARM BUREAU COOP		20.0	20.0	100
	2 12 6M				
6565	LEBANON CARRIAGE & IMPLEMENT COMPANY	2.0	12.5	6.5	104
8842	NALLS GROCERY & FARM SUPPLY	2.1	12.1	6.6	103
9310	JOHN A SHEEHAN	2.2	13.1	6.3	109
	3 9 6 3S 3M				
9308	JOHN A SHEEHAN	3.2	10.1	6.2	109
	3 12 12M				
6370	LEBANON CARRIAGE & IMPLEMENT COMPANY	3.1	12.6	12.6	105
6495	READNOUR FEED & COAL COMPANY	3.0	12.6	11.8	102
6769	J W SETTLE FEED STORE	3.1	12.6	12.1	104
6826	LEBANON CARRIAGE & IMPLEMENT COMPANY	3.1	12.4	12.4	103
8555	NALL GROCERY & FARM SUPPLY	3.1	12.5	12.4	104
9146	AMERICAN AGRI CHEM WHSE LEXINGTON	3.2	12.7	12.4	105
9148	AMERICAN AGRI CHEM WHSE LEXINGTON	3.2	12.6	11.6*	103
9389	L F WELLMAN HARDWARE	3.2	12.7	12.6	106
9501	BI COUNTY FARM BUREAU COOP	3.0	12.6	12.1	103
9555	L F WELLMAN HARDWARE	3.1	12.8	12.0	104
9618	BEDFORD & TUTTLE	3.2	12.7	12.1	105
	4 12 8M				
6371	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.3	12.6	8.1	105
6492	READNOUR FEED & COAL COMPANY	4.2	12.7	8.1	105
6719	READNOUR FEED & COAL COMPANY	4.1	12.1	8.1	101
6918	AMERICAN AGRI CHEM WHSE LOUISVILLE	4.1	12.4	8.1	103
8666	WOODSON LEWIS	4.2	12.9	8.0	105
9150	AMERICAN AGRI CHEM WHSE LEXINGTON	4.4	12.6	8.0	105
9189	FARMERS FEED & SUPPLY FARMERS	4.0	12.3	8.1	102
9214	LEMONS BROTHERS	4.4	12.6	8.2	106
9277	MILLERSBURG COAL & LUMBER COMPANY	4.2	12.4	7.9	103
9391	L F WELLMAN HARDWARE	4.3	12.7	8.1	105

(1) SEE BORON TABLE PAGE 76

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
4 12 8S					
6291	MCCAULEY BROTHERS SEED COMPANY	3.9	13.0	7.9	104
6376	LEBANON CARRIAGE & IMPLEMENT COMPANY	3.9	12.6	7.9	102
6494	READNOUR FEED & COAL COMPANY	3.9	12.7	8.0	103
7099	BAUGHMAN MILLING COMPANY	3.8	13.0	7.8	103
9140	AMERICAN AGRI CHEM WHSE LEXINGTON	3.9	13.2	8.2 (1)	105
9178	WOODFORD SPEARS & SONS	4.0	12.6	7.9	103
9280	MILLERSBURG COAL & LUMBER COMPANY	4.0	12.9	7.9	104
9309	JOHN A SHEEHAN	4.0	12.3	8.1	102
4 16 8M					
6917	AMERICAN AGRI CHEM WHSE LOUISVILLE	4.1	16.0	8.5	102
4 16 16M					
6877	AMERICAN AGRI CHEM WHSE LOUISVILLE	5.0	16.3	16.1	106
7097	BAUGHMAN MILLING COMPANY	4.1	15.5*	17.0	101
4 24 12M					
6876	AMERICAN AGRI CHEM WHSE LOUISVILLE	4.0	24.2	13.4	103
5 10 15S					
6236	J W SETTLE FEED STORE	4.9	10.4	15.1	101
6238	J W SETTLE FEED STORE	5.1	10.2	15.1	102
6294	MCCAULEY BROTHERS SEED COMPANY	4.8	10.4	14.9	100
6372	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.9	10.2	15.1	100
6375	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.9	10.7	14.6*	101
6390	MAYES HELM & COYLE	4.9	10.5	14.6*	101
6493	READNOUR FEED & COAL COMPANY	5.0	10.8	15.0	103
6537	WALTERS & THOMPSON	5.0	10.0	15.4	101
6567	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.5*	10.9	14.5*	100
6720	READNOUR FEED & COAL COMPANY	5.0	10.6	15.0	102
6827	LEBANON CARRIAGE & IMPLEMENT COMPANY	4.8	11.1	15.0	103
7100	BAUGHMAN MILLING COMPANY	4.9	10.9	14.5*	102
7101	BAUGHMAN MILLING COMPANY	4.9	10.3	14.6*	100
7291	COFFEYS STORE	4.5*	10.7	14.7	99
8664	WOODSON LEWIS	4.7*	10.8	15.0	101
8665	WOODSON LEWIS	5.0	10.4	15.0	102
9093	AMERICAN AGRI CHEM WHSE LEXINGTON	4.9	11.0	15.0	103
9151	AMERICAN AGRI CHEM WHSE LEXINGTON	4.7*	10.7	14.6*	100
9152	AMERICAN AGRI CHEM WHSE LEXINGTON	4.9	10.8	14.7	102
9165	BEDFORD & TUTTLE	4.9	10.7	14.9	102
9166	BEDFORD & TUTTLE	4.9	10.8	14.9	102
9180	WOODFORD SPEARS & SONS	4.9	10.3	15.7	102
9182	WOODFORD SPEARS & SONS	4.5*	11.5	12.9*	99
9213	LEMONS BROTHERS	4.8	10.5	15.0	101
9274	MILLERSBURG COAL & LUMBER COMPANY	4.8	10.5	14.8	100
9472	THE FARM STORE CARLISLE	4.6*	10.7	14.5*	99
9481	LELAND BOWLES	4.6*	10.0	15.2	98*
9483	LELAND BOWLES	4.7*	10.4	14.9	100
5 20 20M					
6879	AMERICAN AGRI CHEM WHSE LOUISVILLE	5.0	20.6	21.0	103
9329	AMERICAN AGRI CHEM WHSE LEXINGTON	4.0*	19.7	19.7	95*
9500	BI COUNTY FARM BUREAU COOP	4.7*	20.1	20.2	99
9537	BI COUNTY FARM BUREAU COOP	4.9	20.5	19.9	101
6 6 18S					
6237	J W SETTLE FEED STORE	6.5	6.7	17.9	106
6293	MCCAULEY BROTHERS SEED COMPANY	5.9	6.3	18.1	101
6408	WALTERS & THOMPSON	5.9	6.4	17.9	101
6602	GEORGE HALMHUBER JR	5.7*	7.7	17.5*(2)	104
9145	AMERICAN AGRI CHEM WHSE LEXINGTON	5.8	6.6	17.8	101
9179	WOODFORD SPEARS & SONS	5.7*	8.4	17.1*(3)	106
9279	MILLERSBURG COAL & LUMBER COMPANY	5.9	6.4	18.0	101
9388	L F WELLMAN HARDWARE	5.9	6.5	18.0	101

(1) EXCESS MURIATE EQUIVALENT TO 0.4%.

(2) EXCESS MURIATE EQUIVALENT TO 2.2%.

(3) EXCESS MURIATE EQUIVALENT TO 2.0%.



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>AMERICAN AGRI CHEM CONTINUED</u>					
6 8 6S					
6374	LEBANON CARRIAGE & IMPLEMENT COMPANY	5.8	8.7	6.5	103
6391	MAYES HELM & COYLE	5.9	8.3	6.2	101
7292	COFFEYS STORE	5.4*	8.5	6.1	98*
9142	AMERICAN AGRI CHEM WHSE LEXINGTON	5.7*	8.8	6.1	102
9181	WOODFORD SPEARS & SONS	5.9	8.4	6.8	103
9188	FARMERS FEED & SUPPLY FARMERS	5.6*	8.9	6.3	102
9275	MILLERSBURG COAL & LUMBER COMPANY	5.7*	8.3	6.4	100
9387	L F WELLMAN HARDWARE	5.6*	8.5	6.3	100
9482	LELAND BOWLES	5.8	8.9	6.3	104
6 12 12M					
6292	MCCAULEY BROTHERS SEED COMPANY	5.9	12.6	12.1	102
6919	AMERICAN AGRI CHEM WHSE LOUISVILLE	5.9	12.3	12.1	101
7098	BAUGHMAN MILLING COMPANY	5.6*	12.3	12.6	100
9187	FARMERS FEED & SUPPLY FARMERS	5.8	12.6	11.9	101
9278	MILLERSBURG COAL & LUMBER COMPANY	5.9	12.4	12.0	101
9390	L F WELLMAN HARDWARE	5.9	12.5	12.4	102
9556	L F WELLMAN HARDWARE	5.9	12.5	12.1	101
9595	FARMERS FEED & SUPPLY FARMERS	5.9	12.7	12.1	102
10 6 4M					
6290	MCCAULEY BROTHERS SEED COMPANY	9.8	6.7	5.0	106
10 10 10M					
6542	J W SETTLE FEED STORE	9.7	10.2	10.1	99
6768	J W SETTLE FEED STORE	9.7	10.5	10.0	100
6828	LABANON CARRIAGE & IMPLEMENT COMPANY	9.9	10.6	10.0	102
8663	WOODSON LEWIS	9.6*	10.5	10.1	100
9147	AMERICAN AGRI CHEM WHSE LEXINGTON	10.0	10.3	10.0	101
9149	AMERICAN AGRI CHEM WHSE LEXINGTON	9.7*	11.1	9.8	102
9190	FARMERS FEED & SUPPLY FARMERS	9.6*	10.4	10.1	100
9276	MILLERSBURG COAL & LUMBER COMPANY	9.9	9.9	10.2	100
9392	L F WELLMAN HARDWARE	10.0	10.5	10.4	102
9594	FARMERS FEED & SUPPLY FARMERS	9.4*	11.1	10.0	101
12 12 12M					
6809	RIZER BROTHERS	12.0	12.2	12.1	101
SUPERPHOSPHATE					
6566	LEBANON CARRIAGE & IMPLEMENT COMPANY		18.1		100
6829	LEBANON CARRIAGE & IMPLEMENT COMPANY		18.2		101
9141	AMERICAN AGRI CHEM WHSE LEXINGTON		18.1		100
<u>AMERICAN CYANAMID COMPANY</u>					
CALCIUM CYANAMID					
5699	HARRALSON SEED COMPANY	21.0			100
8406	VIRGINIA CAROLINA CHEMICAL CORP	21.4			102
AMMONIUM NITRATE					
5700	HARRALSON SEED COMPANY	33.7			101
<u>ARMOUR FERTILIZER WORKS</u>					
0 95 28.7 M WITH 5 LBS BORAX PER 100 <sup>(1)</sup>					
6799	PATTERSON & GUTHRIE		9.1*	30.2	101
0 10 30M					
9622	BRENT & COMPANY		10.1	31.0	102
0 10 30M WITH 5 LBS BORAX PER 100 <sup>(2)</sup>					
6333	TRIPLE M FARM		10.0	30.0	100

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>ARMOUR FERTILIZER WORKS CONTINUED</b>					
8907	0 12 12M AYRES SEED COMPANY		131	125	108
6245	0 20 20M JEWELL & HAYDEN HARDWARE		20.0	20.8	101
7209	GIBSON PRODUCE		20.1	20.2	101
7955	A C BUTTS & SON		19.7	19.3*	98*
8436	NUMAN BLACKWELL		20.8	20.8	104
8950	LILLY BROTHERS SEED COMPANY		20.1	20.2	101
9258	J C EVERETT COMPANY INC		19.0*	20.6	98*
9294	BI COUNTY FARM BUREAU COOP		19.1*	21.2	99
9499	KELLER HAY & GRAIN COMPANY		20.4	19.9	101
9813	0 20 20M WITH 3 LBS BORAX PER 100 <sup>(1)</sup> METCALFE COUNTY FARMERS SUPPLY		19.9	18.0*	96*
6732	0 20 20M WITH 5 LBS BORAX PER 100 <sup>(2)</sup> ROY C HARDESTY		20.1	20.2	101
9436	N S DUDLEY & SON		19.4*	19.3*	97*
8994	0 239 239 WITH 5 LBS BORAX <sup>(3)</sup> CAVE CITY COAL & ICE COMPANY		25.2	22.9*	102
6512	0 25 25M SMITH CARRICO		25.0	25.0	100
6782	DAWSON FEED & SUPPLY COMPANY		22.3*	25.3	93*
6788	FARMERS UNION SUPPLY CO VERSAILLES		20.7*	28.0	93*
7280	COOKS GROCERY & FEED		22.0*	28.6	97*
8520	GLASGOW TRADING CENTER		25.3	25.5	101
9100	HOWARD WHOLESALE COMPANY		23.2*	27.2	98*
9402	GREENUP MILLING COMPANY		22.6*	28.0	98*
9463	SPHAR & COMPANY		20.4*	28.0	92*
9526	HENSLEY & SON WHOLESALE COMPANY		20.8*	28.1	93*
9580	BROWNS HARDWARE & ELECTRIC		24.4*	24.3*	97*
9599	J F BERTRAM & SON		22.7*	27.9	98*
9623	BRENT & COMPANY		24.2*	25.5	99
9475	0 25 25M WITH 5 LBS BORAX PER 100 <sup>(4)</sup> KEITH & LYKINS		20.0*	26.5	89*
8528	2 12 6M PEOPLES FARM SUPPLY	2.1	11.6*	6.8	101
5812	3 9 6M KUTTAWA MILLING COMPANY	3.0	8.9	6.2	100
7077	GIBSON PRODUCE	3.2	9.1	6.4	104
7126	TRI STATE WHOLESALE	3.2	9.1	6.8	105
7199	ANDERSONS GROCERY	3.0	9.2	6.9	104
7224	JELLICO GROCERY COMPANY	3.1	9.6	6.3	105
7241	HACKNEY HARLAN COMPANY	3.0	9.0	6.6	102
7248	JELLICO GROCERY	3.0	9.0	6.3	101
8529	PEOPLES FARM SUPPLY	3.1	9.5	6.2	105
9096	HOWARD WHOLESALE COMPANY	3.3	9.2	7.1	107
9112	LOUISA SUPPLY COMPANY	3.5	9.4	7.3	111
9321	WILLIAMS GROCERY COMPANY INC	3.0	8.4*	6.6	98*
9374	H T SPARKS	3.6	9.0	6.6	107
9435	FRANK L HINTON & SON	3.2	9.2	6.5	105
7956	3 9 18M A C BUTTS & SON	2.9	9.5	17.5*	100
7957	A C BUTTS & SON	2.9	9.4	17.1*	99
8441	3 9 18S NUMAN BLACKWELL	3.6	9.5	18.1	106
8916	NUMAN BLACKWELL	3.5	9.5	17.3*	104

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76

(3) SEE BORON TABLE PAGE 76

(4) SEE BORON TABLE PAGE 76



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>ARMOUR FERTILIZER WORKS CONTINUED</b>					
<b>3 12 6M</b>					
5551	FARMERS SUPPLY COMPANY WHITE PLAINS	3.2	12.2	6.2	103
5555	SLAUGHTERS MERCANTILE COMPANY	3.1	11.9	6.1	101
5592	FELTY PRODUCE COMPANY	3.0	11.9	5.9	99
5772	WALLACES HARDWARE	3.4	12.0	6.3	104
5923	BURNA FEED COMPANY	2.9	12.0	6.0	99
6519	GENE RAISOR	3.2	12.2	6.1	103
6547	FARMERS SUPPLY COMPANY EMINENCE	3.1	12.0	6.3	110
6584	ANDERSON & SPILMAN	3.3	11.6*	12.6	117
6706	JACOBS COAL & TRANSFER COMPANY	3.3	12.0	6.5	104
6845	ANDERSON & SPILMAN	3.1	10.8*	6.1	95*
7087	ROBINSON MILLING COMPANY	3.3	11.0*	6.4	98*
7109	LLOYD KING	3.1	11.3*	6.1	97*
7310	TRI STATE WHOLESALE	3.0	9.8*	6.5	90*
7750	FELTY PRODUCE COMPANY	3.1	12.2	6.0	102
8439	NUMAN BLACKWELL	3.0	11.9	9.2	108
8513	IDEAL HARDWARE	3.0	11.7	6.1	99
8637	PAUL CARTER	3.2	12.2	6.3	103
9434	FRANK L HINTON & SON	3.3	11.2*	6.8	100
9474	KEITH & LYKINS	2.8	11.5*	6.2	96*
<b>3 12 12M</b>					
5533	HENDERSON FEED & COMMISSION COMPANY	3.1	12.3	12.2	102
5785	HENDERSON FEED & COMMISSION COMPANY	3.2	12.0	12.2	102
5980	M F BRYANT & SONS MILLING COMPANY	2.5*	12.3	10.8*	95*
6339	DAWSON FEED & SUPPLY	3.2	11.8	12.2	101
6356	T F KEENE & SONS	3.1	12.0	12.1	101
6489	SKELTONS GENERAL STORE	3.1	12.0	12.5	102
6698	JOE BUSH FARM SUPPLY	3.2	11.7	12.5	101
6743	T G SMITHER	3.5	11.6*	13.1	104
6806	T F KEENE & SONS	3.0	11.9	13.0	102
7197	COOKS GROCERY & FEED	3.1	11.7	12.5	100
7707	FARMERS SUPPLY COMPANY WHITE PLAINS	3.0	12.3	11.9	101
7712	HENDERSON ELEVATOR COMPANY	2.6*	12.0	12.0	97*
8438	NUMAN BLACKWELL	2.9	12.4	11.0*	99
8454	CAVE CITY COAL & ICE COMPANY	3.1	11.6*	12.6	100
8551	NALLS FEED STORE	3.3	12.0	12.1	102
8742	ADAIR MILLING COMPANY	3.0	12.2	12.5	102
9175	BRENT & COMPANY	3.1	11.9	12.4	101
9219	H W WHITAKER	3.3	12.2	11.8	102
9221	ALLAN CALHOUN	3.2	12.1	12.4	103
9262	J C EVERETT COMPANY INC	3.2	11.8	12.5	102
9297	BI COUNTY FARM BUREAU COOP	3.2	11.5*	12.6	100
9299	SAM RYLE	3.2	11.9	12.5	102
9372	H T SPARKS	3.2	11.9	12.4	102
9814	METCALFE COUNTY FARMERS SUPPLY	3.1	12.3	12.1	102
<b>4 12 4M</b>					
5722	GEORGE PATMOR & SON	4.1	12.4	4.0	103
<b>4 12 8M</b>					
5563	HUNT BROTHERS	3.7*	12.6	9.0	103
5593	FELTY PRODUCE COMPANY	5.4	12.2	8.2	111
5645	ROBINSON IMPLEMENT & MOTOR COMPANY	4.0	12.4	8.7	103
5742	BURGESS BROTHERS I G A	3.9	13.0	6.9*	101
5939	R M MILLER SEED & POPCORN COMPANY	4.0	12.2	8.2	101
6265	ANDERSON & SPILMAN	4.1	12.0	8.7	102
6331	JOE BUSH FARM SUPPLY	4.1	11.9	8.5	101
6558	HELM BROTHERS	4.0	12.0	8.6	101
6570	LORETTO MILL COMPANY	4.4	11.9	8.0	102
6637	W J SCOTT	4.0	12.1	8.3	101
6699	FARM EQUIPMENT COMPANY BEDFORD	4.4	12.0	8.1	103
6844	ANDERSON & SPILMAN	4.0	12.3	8.2	106
7074	GIBSON PRODUCE	3.8	12.0	9.2	101
7128	G C CORNETTE	4.0	11.5*	8.3	98*
7751	FELTY PRODUCE COMPANY	4.0	12.2	8.2	101
8393	U L ROGERS & SON	4.0	12.4	8.3	103
8440	NUMAN BLACKWELL	3.9	12.0	8.9	101
8456	CAVE CITY COAL & ICE COMPANY	4.2	11.9	7.9	101
8530	PEOPLES FARM SUPPLY	3.9	12.5	7.9	101
8564	CANEYVILLE ROLLER MILLS	4.3	12.3	7.8	103
8625	N T NUCKOLS	3.7	11.9	8.3	98*
8639	PAUL CARTER	4.2	12.2	8.0	102
8999	H D JONES	3.9	12.7	8.3	103
9082	WRIGLEY MERCANTILE COMPANY	4.1	12.1	8.2	102
9086	W J AMBURGEY	4.1	12.1	8.9	103
9095	HOWARD WHOLESALE COMPANY	4.1	11.9	8.2	101
9108	JEROME GLASS	4.2	11.4*	8.5	100

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ARMOUR FERTILIZER WORKS CONTINUED</u>					
4 12 8M CONTINUED					
9110	LOUISA SUPPLY COMPANY	3.9	12.1	85	101
9192	UNION GROCERY COMPANY	4.1	12.0	87	102
9295	BI COUNTY FARM BUREAU COOP	3.9	11.9	83	100
4 12 8S					
6516	JACOBS COAL & TRANSFER COMPANY	4.4	11.4*	85	101
9228	FAYETTE COAL & FEED COMPANY	3.9	11.9	92 (1)	102
9302	SAM RYLE	4.6	10.8*	100	103
4 16 16M					
5786	HENDERSON FEED & COMMISSION COMPANY	4.1	16.2	156*	101
7259	CORNETTS MARKET	4.0	16.0	167	101
8785	G M HAYCRAFT & SON	4.2	16.0	168	102
9834	ADAIR MILLING COMPANY	4.0	16.5	165	103
5 10 5M					
5552	FARMERS SUPPLY COMPANY WHITE PLAINS	5.1	10.3	53	103
5615	MILBURN MILL	5.0	10.1	54	102
5646	ROBINSON IMPLEMENT & MOTOR COMPANY	5.1	10.3	57	104
5767	LAWN & GARDEN CENTER	5.0	10.4	50	102
5774	ROBERT DRAKES STORE	4.7*	10.6	55	102
5831	SALEM FEED & SEED COMPANY	5.0	10.0	52	101
6288	DAWSON FEED & SUPPLY	5.2	9.9	55	102
6308	W H WEBB GENERAL MERCHANDISE	4.7*	10.3	55	101
6429	HENDERSON & HARDY COMPANY	5.2	10.2	51	103
8437	NUMAN BLACKWELL	4.9	10.3	52	101
9153	SPHAR & COMPANY	5.2	9.9	53	102
9173	BRENT & COMPANY	4.9	9.9	52	99
9195	UNION GROCERY COMPANY	5.1	10.0	52	101
9304	ROBERTS BROTHERS	5.0	10.0	53	101
9373	H T SPARKS	5.1	10.0	54	102
5 10 10M					
5710	HARRALSON SEED COMPANY	4.9	10.2	10.6	102
5735	BARLOW FEED MILL	5.3	10.8	8.8*	103
5773	WALLACES HARDWARE	5.1	9.9	10.9	102
5813	KUTTAWA MILLING COMPANY	5.0	10.5	9.9	102
5855	A C BUTTS & SON	5.0	10.7	9.1*	101
6428	HENDERSON & HARDY COMPANY	5.0	10.0	10.0	100
6468	HENRY NORTHCUTT	4.9	10.0	10.5	100
6487	PATTERSON & GUTHRIE	4.8	10.2	10.6	101
6554	SPRINGFIELD FEED & GRAIN COMPANY	4.8	10.7	10.4	103
6731	ROY C HARDESTY	5.0	10.2	10.0	101
6783	DAWSON FEED & SUPPLY COMPANY	5.0	9.8	10.6	100
6846	ANDERSON & SPILMAN	4.9	10.4	10.5	102
6922	FARMERS UNION SUPPLY VERSAILLES	4.9	10.3	10.5	102
7119	WILLOUGHBY SUPPLY COMPANY	4.9	9.9	10.1	99
7129	G C CORNETTE	4.9	10.6	10.1	102
7180	CAMPBELL WHOLESALE	5.0	10.6	10.0	103
7200	ANDERSONS GROCERY	4.7*	10.1	10.6	100
7242	HACKNEY HARLAN COMPANY	5.0	10.3	10.1	102
8457	CAVE CITY COAL & ICE COMPANY	5.1	9.5*	10.4	99
8694	TRUMAN HOLLINSWORTH & COMPANY	5.0	10.2	10.4	102
8752	ALDRIDGE & BARNETT	4.7*	9.9	10.4	98*
8803	GLASGOW TRADING CENTER	5.0	10.5	10.4	103
8828	AYRES SEED COMPANY	4.7*	11.1	9.2*	101
9099	HOWARD WHOLESALE COMPANY	4.9	10.0	10.6	101
9111	LOUISA SUPPLY COMPANY	5.0	10.0	10.6	101
9260	J C EVERETT COMPANY INC	4.8	10.1	10.7	101
9375	H T SPARKS	4.8	10.2	10.0	100
9404	GREENUP MILLING COMPANY	4.7*	10.3	10.1	100
9603	OVERBYS GROCERY	4.8	10.6	9.8	101
9808	TRUMAN HOLLINGSWORTH & COMPANY	4.8	10.2	10.0	100
5 10 10S					
5736	BARLOW FEED MILL	5.0	10.8	10.1	104
5814	KUTTAWA MILLING COMPANY	5.0	9.7	10.7 (2)	100
5854	A C BUTTS & SON	5.0	10.2	10.4	102
5987	BROOKS SERVICE STATION	4.8	10.5	10.6	102
8567	H J SLEDGE & SON	4.7*	10.7	10.0	101

(1) EXCESS MURIATE EQUIVALENT TO 2.7%

(2) EXCESS MURIATE EQUIVALENT TO 0.7%



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ARMOUR FERTILIZER WORKS CONTINUED</u>					
	5 10 15S				
5647	ROBINSON IMPLEMENT & MOTOR COMPANY	5.0	10.5	14.4*	101
5658	LYNN GROVE FEED & SEED COMPANY	5.0	10.1	15.0	100
5768	LAWN & GARDEN CENTER	5.0	10.4	14.6*	101
5787	HENDERSON FEED & COMMISSION COMPANY	5.0	10.1	15.4	101
5949	GORES STORE	4.8	10.5	14.5*	100
6255	PATTERSON & GUTHRIE	5.1	10.1	15.4	102
6286	DAWSON FEED & SUPPLY	5.0	10.0	15.0	100
6319	SHELTONS GENERAL STORE	4.9	10.5	14.8	101
6321	J A BENNETT HARDWARE	5.0	10.3	15.0	101
6334	TRIPLE M FARM	4.9	10.0	15.0	99
6410	JOHN CAUDILL SEED COMPANY	5.0	10.2	15.0	101
6454	D L JOHNSON	5.0	10.6	15.0	102
6461	HULETTE HARDWARE	4.9	10.0	15.5	100
6464	HENRY NORTHCUTT	5.0	10.1	15.0	100
6515	JACOBS COAL & TRANSFER COMPANY	4.8	10.0	16.1	101
6544	VIRGIL ADAMS	4.8	10.3	16.1	102
6548	SMITH & JACKSON	5.0	10.4	15.0	102
6591	PATTERSON & GUTHRIE	5.0	10.0	15.0	100
6725	C R BUSH	4.7*	10.2	15.5	100
7075	GIBSON PRODUCE	4.8	10.8	15.7 <sup>(1)</sup>	103
7108	F B MARKSBURY	4.5*	10.4	14.4* <sup>(2)</sup>	97*
7110	LLOYD KING	4.9	10.0	14.7	99
7116	WILLOUGHBY SUPPLY COMPANY	4.8	10.1	14.7 <sup>(3)</sup>	99
7132	MCWHORTER PRODUCE COMPANY	5.4	10.0	15.2 <sup>(4)</sup>	103
7143	GAYLE WATSON	4.8	10.2	14.9	99
7155	THOMPSON WHOLESALE GROCERY	5.0	10.0	14.8	100
7320	GIBSON PRODUCE	4.9	10.2	15.0	100
8442	NUMAN BLACKWELL	4.9	10.0	15.2	100
8455	CAVE CITY COAL & ICE COMPANY	5.1	10.5	15.0	103
8531	PEOPLES FARM SUPPLY	5.0	9.9	15.5	101
8590	M G PRUITT IMPLEMENT COMPANY	5.0	10.1	15.7	102
8719	H D JONES	5.0	10.3	14.7	101
8720	H D JONES	5.1	10.7	15.0	103
8793	CANEYVILLE ROLLER MILLS	4.6*	10.0	15.1	98*
8797	FARMERS FEED STORE CENTRAL CITY	4.9	9.9	15.0	99
8998	H D JONES	4.8	10.3	15.4	101
9109	JEROME GLASS	5.1	10.1	14.9	101
9156	SPHAR & COMPANY	4.9	10.0	15.0	99
9176	BRENT & COMPANY	4.9	10.1	15.0	100
9194	UNION GROCERY COMPANY	4.9	9.9	15.1	99
9218	H W WHITAKER	4.7*	10.3	14.9	99
9811	TRUMAN HOLLINSWORTH & COMPANY	4.7*	10.5	14.8	100
9850	DON ALLEN	4.8	10.5	15.0	101
	5 10 15S WITH 00.15 ALDRIN				
7708	FARMERS SUPPLY COMPANY WHITE PLAINS <sup>(7)</sup>	4.7*	10.5	13.9*	98*
7761	GALLOWAY SEED COMPANY <sup>(8)</sup>	4.9	9.7	15.9	100
8915	NUMAN BLACKWELL <sup>(9)</sup>	4.6*	9.5*	15.4	96*
	5 10 20S				
9261	J C EVERETT COMPANY INC	4.9	9.9	19.6* <sup>(5)</sup>	98*
	5 10 20S WITH 00.15 ALDRIN				
9257	J C EVERETT COMPANY INC <sup>(10)</sup>	4.9	10.0	19.2* <sup>(6)</sup>	98*
	5 20 20M				
5701	HARRALSON SEED COMPANY	5.1	20.0	20.7	101
6264	ANDERSON & SPILMAN	5.0	19.9	20.7	101
6412	GEORGE FREMD JR	5.2	19.6	19.9	100
6553	SPRINGFIELD FEED & GRAIN COMPANY	4.9	19.5*	20.0	98*
6680	J A BENNETT HARDWARE	5.1	19.4*	19.2*	98*
6781	DAWSON FEED & SUPPLY	4.9	20.1	20.2	100
6825	LORETTO MILL COMPANY	5.0	19.8	20.1	100
7133	MCWHORTER PRODUCE COMPANY	5.2	21.2	19.4*	103
7185	J H STULL & SONS	5.0	19.7	21.3	101
7254	CHRISTOPHER FARMERS SUPPLY CO IRVINE	4.9	19.7	19.9	99
7713	HENDERSON ELEVATOR COMPANY	4.5*	20.7	19.0*	99
7895	HENDERSON FEED & COMMISSION COMPANY	4.7*	19.2*	18.5*	95*
8408	LILLY BROTHERS SEED COMPANY	5.5	19.1*	22.0	102
8452	IDEAL HARDWARE	4.9	18.8*	20.6	97*
8521	GLASGOW TRADING CENTER	5.4	20.1	19.4	101
8642	UPTON SWEET FEED MILL	5.4	19.6	19.3*	100
8792	CANEYVILLE ROLLER MILLS	5.1	19.5*	18.6*	97*
8805	GLASGOW TRADING CENTER	5.4	20.0	18.8*	100
8851	UPTON SWEET FEED MILL	4.9	20.5	19.2*	100
8924	BIG FOUR FEED & IMPLEMENT COMPANY	4.9	23.5	19.8	109

(1) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (2) EXCESS MURIATE EQUIVALENT TO 0.5%  
 (3) EXCESS MURIATE EQUIVALENT TO 0.4%  
 (4) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (5) EXCESS MURIATE EQUIVALENT TO 0.3%

(6) EXCESS MURIATE EQUIVALENT TO 0.5%  
 (7) ALDRIN GUARANTEED 0.15%---FOUND 0.08%  
 (8) ALDRIN GUARANTEED 0.15%---FOUND 0.09%  
 (9) ALDRIN GUARANTEED 0.15%---FOUND 0.12%  
 (10) ALDRIN GUARANTEED 0.15%---FOUND 0.20%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>ARMOUR FERTILIZER WORKS CONTINUED</b>					
<b>5 20 20M CONTINUED</b>					
8995	CAVE CITY COAL & ICE COMPANY	4.7*	19.4*	21.0	100
9303	SAM RYLE	4.8	18.9*	21.4	98*
9403	GREENUP MILLING COMPANY	5.0	19.8	20.1	100
9473	KEITH & LYKINS	5.1	20.1	19.7	100
9503	BI COUNTY FARM BUREAU COOP	5.0	19.7	20.0	99
9525	HENSLEY & SON WHOLESALE COMPANY	4.9	19.9	20.0	99
9600	J F BERTRAM & SON	5.0	19.0*	21.0	99
9635	W C DICKEN	5.0	20.0	20.1	100
<b>6 6 18M</b>					
9177	BRENT & COMPANY	5.8	6.2	17.8	99
<b>6 6 18S</b>					
6297	FARMERS UNION SUPPLY VERSAILLES	5.6*	7.4	16.8*(1)	101
6338	DAWSON FEED & SUPPLY	5.9	6.5	17.3*	100
6355	FARMERS UNION SUPPLY VERSAILLES	5.8	6.4	18.1	101
6398	FRED BENNETT	5.9	6.5	17.2*	100
6467	HENRY NORTHCUTT	6.0	6.3	17.8	101
6485	PATTERSON & GUTHRIE	5.8	6.5	18.0	101
6518	GENE RAISOR	5.2*	8.7	15.8*	102
6583	ANDERSON & SPILMAN	5.7*	6.2	18.0	99
6593	PATTERSON & GUTHRIE	5.9	6.3	18.0	101
7111	LLOYD KING	5.6*	6.8	17.8	100
7117	WILLOUGHBY SUPPLY COMPANY	5.9	6.2	17.3*	99
7192	FARMERS SUPPLY STORE WILMORE	5.6*	6.5	18.2	100
9155	SPHAR & COMPANY	5.9	6.2	18.1	100
9220	ALLAN CALHOUN	5.5*	7.9	16.6*(2)	102
<b>6 8 6M</b>					
5775	ROBERT DRAKES STORE	6.8	8.3	7.5	111
5803	JOHN R WALLACE	5.6*	8.3	6.9	101
5877	PAUL GARDNER GENERAL MERCHANDISE	6.3	8.7	7.2	109
6465	HENRY NORTHCUTT	6.1	8.2	6.8	104
7839	FARMERS FEED & SUPPLY ARLINGTON	5.9	9.2	6.1	106
8459	LILLY BROTHERS SEED COMPANY	6.4	8.2	6.5	105
8618	FORBES HARDWARE	5.7*	8.3	6.2	100
8979	S E HALE & SON	5.8	9.0	5.8	103
9807	TRUMAN HOLLINSWORTH & COMPANY	5.7*	8.8	6.1	102
<b>6 8 6S</b>					
6262	ANDERSON & SPILMAN	5.9	8.5	6.5 (3)	103
6295	FARMERS UNION SUPPLY VERSAILLES	6.0	7.6*	6.3	99
6346	T G SMITHER	6.0	8.1	6.4	102
6397	FRED BENNETT	5.9	8.0	5.9	99
6631	LEE RAY KEMPER	5.7*	8.5	6.5	102
6652	HENDERSON & HARDY COMPANY	6.3	8.3	6.1	104
6707	JACOBS COAL & TRANSFER COMPANY	6.1	8.4	6.4	104
7076	GIBSON PRODUCE	6.2	8.5	8.0	109
7154	THOMPSON WHOLESALE GROCERY	5.7*	8.2	6.5	100
8550	NALLS FEED STORE	6.0	8.4	6.3	103
8788	G M HAYCRAFT & SON	6.2	8.4	6.2	104
8827	AYRES SEED COMPANY	6.0	8.6	6.6 (4)	104
9083	WRIGLEY MERCANTILE COMPANY	5.9	9.0	7.1 (5)	107
9107	JEROME GLASS	5.9	8.4	6.3	102
9157	SPHAR & COMPANY	5.8	8.3	6.0	100
9193	UNION GROCERY COMPANY	5.7*	8.4	6.4 (6)	101
9371	H T SPARKS	5.8	8.3	6.5	101
9590	UNION GROCERY COMPANY	6.0	8.4	6.1	102
9812	EARL FROEDGE GENERAL STORE	6.0	8.2	6.3	102
<b>6 12 12M</b>					
5564	HUNT BROTHERS	5.9	12.1	12.1	100
5594	FELTY PRODUCE COMPANY	6.0	11.9	12.4	100
5609	CADIZ HARDWARE COMPANY	5.9	11.9	12.4	100
5853	A C BUTTS & SON	5.9	11.7	11.5*	97*
5856	A C BUTTS & SON	5.8	11.9	12.1	99
5857	A C BUTTS & SON	5.3*	12.6	11.3*	97*
5940	R M MILLER SEED & POPCORN COMPANY	5.7*	12.2	12.1	99
6560	W W REXROAT	6.7	14.8	12.0	114
6717	COYLES GROCERY	6.0	11.6*	12.2	99
7167	JOHN ADAMS	6.0	12.0	12.4	101

(1) EXCESS MURIATE EQUIVALENT TO 0.9%

(2) EXCESS MURIATE EQUIVALENT TO 1.5%

(3) EXCESS MURIATE EQUIVALENT TO 0.3%

(4) EXCESS MURIATE EQUIVALENT TO 1.6%

(5) EXCESS MURIATE EQUIVALENT TO 1.2%

(6) EXCESS MURIATE EQUIVALENT TO 0.4%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>ARMOUR FERTILIZER WORKS CONTINUED</b>					
<b>6 12 12M CONTINUED</b>					
7173	THE FARMERS SUPPLY CO WHITESBURG	6.0	11.8	122	100
8461	LILLY BROTHERS SEED COMPANY	5.9	12.1	119	100
8718	H D JONES	6.0	12.2	120	101
8787	G M HAYCRAFT & SON	6.0	11.8	122	100
8980	S E HALE & SON	5.7*	12.3	112*	98*
9098	HOWARD WHOLESALE COMPANY	6.2	11.9	126	102
9105	JEROME GLASS	5.9	12.0	122	100
9113	LOUISA SUPPLY COMPANY	6.0	12.0	125	101
9296	BI COUNTY FARM BUREAU COOP	6.1	11.5*	125	100
9305	ROBERTS BROTHERS	6.0	11.9	125	101
<b>6 12 12S</b>					
6378	SPRINGFIELD FEED & GRAIN COMPANY	6.2	12.5	121	103
6466	HENRY NORTHCUTT	6.0	12.0	125	101
6502	COLLINS HARDWARE	5.9	12.4	122	101
6514	JACOBS COAL & TRANSFER COMPANY	6.0	12.0	125	101
6573	INMANS STORE	6.2	11.3*	132	101
6723	HENRY D ELLIOTT	5.8	11.7	130	100
8458	CAVE CITY COAL & ICE COMPANY	6.0	12.4	122	102
8563	CANEYVILLE ROLLER MILLS	6.0	12.1	123	101
8726	IDEAL HARDWARE	5.8	12.1	126	100
<b>6 12 12M WITH 00.25 HEPTACHLOR</b>					
7203	MCWHORTER PRODUCE COMPANY <sup>(2)</sup>	5.9	11.2*	124	97*
7762	GALLOWAY SEED COMPANY <sup>(3)</sup>	5.6*	12.0	123	98*
<b>6 12 12M WITH 00.50 HEPTACHLOR</b>					
7763	GALLOWAY SEED COMPANY <sup>(4)</sup>	5.5*	12.1	12.7	99
<b>6 12 18S</b>					
5610	CADIZ HARDWARE COMPANY	5.3*	14.0	179	103
5737	BARLOW FEED MILL	5.9	12.1	180	100
5837	E B THOMPSON GROCERY & MILL	5.7*	12.8	182	102
5858	A C BUTTS & SON	5.8	11.6*	182	98*
5860	V G SMITH	5.8	11.8	186	99
5952	PENNS COMMUNITY STORE	5.6*	12.4	176*	99
6287	DAWSON FEED & SUPPLY	6.0	11.9	181	100
6337	DAWSON FEED & SUPPLY	6.0	12.1	176*	100
6348	T G SMITHER	5.8	12.0	181	99
6377	SPRINGFIELD FEED & GRAIN COMPANY	6.2	12.3	181	102
6413	GEORGE FREMD JR	5.7*	12.2	180	99
6486	PATTERSON & GUTHRIE	6.2	12.0	180	101
6513	SMITH CARRICO	6.2	12.4	180	102
6559	HELM BROTHERS	6.4	12.3	178	103
6718	COYLES GROCERY	5.9	12.0	180	100
6742	T G SMITHER	5.7*	12.6	179	100
7270	MCWHORTER PRODUCE COMPANY	5.8	12.0	175*	98*
7901	BURNS & HEDDEN	5.5*	12.2	158*(1)	95*
8443	BIG FOUR FEED & IMPLEMENT COMPANY	5.6*	12.9	181	101
8566	W T SLEDGE & SON	5.6*	12.0	180	98*
8755	TODD COUNTY SEED COMPANY	6.0	12.2	175*	100
8804	GLASGOW TRADING CENTER	5.9	12.0	181	100
9106	JEROME GLASS	6.0	12.0	183	101
9306	ROBERTS BROTHERS	6.3	12.1	179	102
9335	W J AMBERGUY	6.0	11.6*	180	99
9343	SALYERSVILLE WHOLESALE GROCERY CO	5.9	12.6	178	101
9361	BROWN HARDWARE COMPANY	6.1	11.7	186	101
<b>6 24 12M</b>					
8807	GLASGOW TRADING CENTER	6.0	23.2*	125	99
<b>8 8 8M</b>					
8460	LILLY BROTHERS SEED COMPANY	8.1	8.3	8.8	104
<b>8 16 16M</b>					
5876	PAUL GARDNER GENERAL MERCHANDISE	7.4*	15.5*	16.1	96*
7757	FARMERS GIN COMPANY CLINTON	7.7*	15.5*	16.1	98*
7958	A C BUTTS & SON	7.9	16.0	15.9	99
8462	LILLY BROTHERS SEED COMPANY	7.6*	15.2*	16.1	96*
8770	N T NUCKOLS	7.9	15.3*	15.9	98*
8826	AYRES SEED COMPANY	7.9	14.5*	16.5	96*
9881	N T NUCKOLS	7.1*	15.0*	15.5*	93*

(1) EXCESS MURIATE EQUIVALENT TO 1.5%

(2) HEPTACHLOR GUARANTEED 0.25%---FOUND 0.01%

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

(4) HEPTACHLOR GUARANTEED 0.50%---FOUND 0.45%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<b>ARMOUR FERTILIZER WORKS CONTINUED</b>					
	8 24 16M				
6529	T F KEENE & SONS	6.9*	20.8*	17.0	90*
6574	INMANS STORE	7.5*	24.0	16.0	98*
6808	T F KEENE & SONS	8.2	22.7*	16.9	99
6824	LORETTO MILL COMPANY	7.7*	20.2*	15.7	90*
6928	T F KEENE & SONS	7.4*	22.0*	16.2	94*
7274	GIBSON PRODUCE	7.8	24.4	15.7	100
7711	HENDERSON ELEVATOR COMPANY	7.3*	22.8*	13.6*	92*
7902	BURNS & HEDDEN	7.6*	24.5	16.1	100
8527	FARMERS MILL & SUPPLY BROWNSVILLE	7.3*	22.7*	17.5	96*
8552	UPTON SWEET FEED MILL	7.7*	24.1	16.1	99
8593	LILLY BROTHERS SEED COMPANY	7.4*	22.0*	18.3	96*
8786	G M HAYCRAFT & SON	7.7*	22.8*	16.1	96*
8825	AYRES SEED COMPANY	7.4*	22.9*	16.5	96*
8829	FARMERS MILL & SUPPLY BROWNSVILLE	7.8	23.2*	16.5	98*
8905	SOUTHERN STATES SIMPSON COOP	7.9	23.3*	16.2	98*
8925	BIG FOUR FEED & IMPLEMENT COMPANY	8.0	23.5*	15.7	99
9578	SALYERSVILLE WHOLESALE COMPANY	8.0	23.0*	16.2	98*
	10 3 7M				
6517	JACOBS COAL & TRANSFER COMPANY	10.2	3.8	8.6	109
	10 6 4M				
5769	LAWN & GARDEN CENTER	9.6	7.4	4.6	105
6670	BUNTON SEED COMPANY	10.0	6.0	4.6	101
6798	PATTERSON & GUTHRIE	9.7	6.3	4.3	102
	10 10 10M				
5815	KUTTAWA MILLING COMPANY	9.5*	10.5	10.4	100
5868	RATLIFF HARDWARE COMPANY	9.8	10.8	10.5	103
5924	BURNA FEED COMPANY	10.0	10.3	10.9	103
6263	ANDERSON & SPILMAN	10.9	10.0	10.9	106
6296	FARMERS UNION SUPPLY VERSAILLES	9.5*	10.5	10.3	100
6322	J A BENNETT HARDWARE	10.0	10.3	10.9	103
6340	DAWSON FEED & SUPPLY	9.3*	10.3	10.3	98*
6384	SPRINGFIELD FEED & GRAIN COMPANY	10.1	10.5	10.6	103
6399	FRED BENNETT	10.1	10.5	10.4	103
6427	HENDERSON & HARDY COMPANY	10.4	10.1	10.1	103
6488	PATTERSON & GUTHRIE	10.1	10.5	10.4	103
6592	PATTERSON & GUTHRIE	9.9	10.2	10.6	101
6696	RALPH BERRY	10.0	10.0	10.5	101
6697	JOE BUSH FARM SUPPLY	10.0	11.2	10.0	104
7118	WILLOUGHBY SUPPLY COMPANY	9.7	9.9	10.6	99
7198	COOKS GROCERY & FEED	9.7	10.8	10.2	103
7840	FARMERS FEED & SUPPLY ARLINGTON	9.7	10.5	10.1	100
7896	HENDERSON FEED & COMMISSION COMPANY	9.3*	10.8	10.4	100
8407	LILLY BROTHERS SEED COMPANY	10.6	10.9	11.0	108
8463	LILLY BROTHERS SEED COMPANY	9.9	10.6	10.6	103
8548	HARDIN COUNTY MILLING COMPANY	10.0	10.7	10.6	103
8619	FORBES HARDWARE	9.9	10.7	10.1	102
8638	PAUL CARTER	10.0	10.0	10.9	102
8724	IDEAL HARDWARE	10.0	10.1	10.0	100
8796	FARMERS FEED STORE CENTRAL CITY	9.7	10.5	10.4	101
8830	PEOPLES FARM SUPPLY COMPANY	9.8	11.0	10.0	102
8906	AYRES SEED COMPANY	10.3	10.2	11.5	105
9154	SPHAR & COMPANY	10.0	10.0	10.4	101
9174	BRENT & COMPANY	9.9	9.9	10.4	100
9259	J C EVERETT COMPANY INC	9.5*	10.2	10.6	99
9301	SAM RYLE	9.9	10.1	10.6	101
9360	BROWN HARDWARE & ELECTRIC COMPANY	10.0	10.1	10.7	102
9424	THE PEOPLES STORE	9.5*	10.5	10.1	99
9471	CARLISLE MILL & SUPPLY COMPANY	9.1*	10.7	10.1	98*
9851	DON ALLEN	10.0	10.5	11.2	104
	10 10 10M WITH 00.25 HEPTACHLOR				
8951	LILLY BROTHERS SEED COMPANY (1)	10.1	10.7	10.0	103
	12 12 12M				
5702	HARRALSON SEED COMPANY	11.7	14.9	10.4*	105
6244	JEWELL & HAYDEN HARDWARE	11.4*	13.5	12.2	102
6807	T F KEENE & SONS	10.9*	13.7	13.0	102
7249	JELICO GROCERY	11.7	12.1	12.2	99
7260	CORNETTS MARKET	10.8*	12.4	12.1	96*
7264	JOHN ADAMS	11.3*	12.7	12.1	99
7818	BIRMINGHAM MILLING COMPANY	12.0	12.8	11.7	102
8464	LILLY BROTHERS SEED COMPANY	11.7	12.9	12.6	102

(1) HEPTACHLOR GUARANTEED 0.25%----FOUND 0.00%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

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Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>ARMOUR FERTILIZER WORKS CONTINUED</u>					
12 12 12M CONTINUED					
8549	NALLS FEED STORE	12.0	12.2	12.2	101
8824	AYRES SEED COMPANY	11.9	12.6	11.9	101
9097	HOWARD WHOLESALE COMPANY	12.5	13.0	12.5	106
9524	HENSLEY & SON WHOLESALE COMPANY	11.5*	12.5	12.4	100
9577	SALYERSVILLE WHOLESALE COMPANY	11.2*	14.0	12.2	103
SUPERPHOSPHATE					
5766	LAWN & GARDEN CENTER		19.7		98*
5867	RATLIFF HARDWARE COMPANY		20.2		101
6246	JEWELL & HAYDEN HARDWARE		19.9		100
6256	PATTERSON & GUTHRIE		20.0		100
6347	T C SMITHER		20.2		101
6426	HENDERSON & HARDY COMPANY		20.6		103
6789	FARMERS UNION SUPPLY CO VERSAILLES		19.6		98*
7945	CADIZ HARDWARE COMPANY		21.3		107
7954	A C BUTTS & SON		20.6		103
8640	NALL FEED STORE		20.0		100
8808	GLASGOW TRADING CENTER		20.0		100
8831	PEOPLES FARM SUPPLY COMPANY		20.2		101
8908	AYRES SEED COMPANY		19.8		99
9084	WRIGLEY MERCANTILE COMPANY		19.9		100
9255	J F BERTRAM & SON		19.7		98*
9256	J C EVERETT COMPANY INC		19.9		100
9300	SAM RYLE		19.5*		98*
45 TRIPLE SUPERPHOSPHATE					
6528	T F KEENE & SONS		45.2		101
8453	IDEAL HARDWARE		43.7*		97*
8516	THOMERSON MILLING COMPANY		43.1*		96*
8731	H D JONES		43.9*		98*
8791	CANEYVILLE ROLLER MILLS		43.9*		98*
SULFATE OF POTASH					
6257	PATTERSON & GUTHRIE			48.0 (1)	100
6726	C R BUSH			50.5	105
6921	FARMERS UNION SUPPLY CO VERSAILLES			48.5	101
6929	ANDERSON & SPILMAN			48.0	100
7760	GALLOWAY SEED COMPANY			51.5	103
8753	ALDRIDGE & BARNETT			50.5	105
9502	BI COUNTY FARM BUREAU COOP			48.5	101
9624	BRENT & COMPANY			49.5	103
MURIATE OF POTASH					
6681	J A BENNETT HARDWARE			60.8	101
6784	DAWSON FEED & SUPPLY COMPANY			60.0	100
8754	ALDRIDGE & BARNETT			60.8	101
8806	GLASGOW TRADING CENTER			59.3	99
9625	BRENT & COMPANY			60.0	100
<u>ASSOCIATED COOPERATIVE INC</u>					
14 14 14M					
5582	GRAVES COUNTY SOIL ASSOCIATION	14.3	14.9	14.0	103
5929	LIVINGSTON COUNTY COOP SOIL IMP ASSN	13.8	14.0	14.1	99
6597	HARRY DAULTON	14.2	14.0	14.2	101
7822	PHELPS BROTHERS FARM SERVICE	13.9	14.1	14.2	100
7947	WEST KENTUCKY SEED COMPANY	13.6*	14.1	14.1	99
8771	N T NUCKOLS	14.1	14.1	14.5	101
15 15 15M					
5886	PRINCETON FARM SERVICE	15.0	14.9	15.0	100
5927	K R MCKINNEY & SON	14.5*	15.0	15.0	98*
7083	SOUTHERN STATES SOMERSET COOP	15.3	15.3	15.0	103
7950	MOORE SEED & GRAIN COMPANY	14.9	15.3	15.0	100
8677	SOUTHERN STATES CAMPBELLSVILLE COOP	15.0	15.3	15.2	101
8903	SOUTHERN STATES SIMPSON COOP	15.0	15.0	15.0	100
9229	SOUTHERN STATES LEXINGTON COOP	15.1	15.4	15.1	101
9462	BOURBON FARM SERVICE	14.8	15.3	14.8	100
9497	SOUTHERN STATES CAMPBELL COOP	14.6*	15.2	14.8	99

(1) EXCESS MURIATE EQUIVALENT TO 0.5%.

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>ASSOCIATED COOP INC CONTINUED</u>					
AMMONIUM NITRATE					
5537	SOUTHERN STATES CRITTENDEN COOP	33.4			100
5776	HICKORY BILLS FARM STORE	33.5			100
7281	SOUTHERN STATES SOMERSET COOP	33.6			100
9101	WOMACK BROTHERS FARM SUPPLY	33.4			100
48 TRIPLE SUPERPHOSPHATE					
7919	SOUTHERN STATES OWENSBORO COOP		45.7*		95*
CALCIUM METAPHOSPHATE					
5570	T C EDWARDS		62.2		100
5636	FARMERS COOPERATIVE MADISONVILLE		62.0		100
7247	SOUTHERN STATES LONDON COOP		62.2		100
7304	ROCKCASTLE FARM SERVICE		62.0		100
9230	SOUTHERN STATES LEXINGTON COOP		62.7		101
<u>BARTLETT &amp; O BRYAN FERTILIZER CO</u>					
0 20 20M					
5758	BARTLETT & O BRYAN FERTILIZER CO		16.1*	17.7*	93*
5910	BARTLETT & O BRYAN FERTILIZER CO		17.4*	20.2	92*
3 12 12M					
5759	BARTLETT & O BRYAN FERTILIZER CO	3.2	11.1*	12.5	98*
7862	SHIRLEY CRISS	3.3	12.0	12.4	103
4 10 10M LIQUID					
5963	BARTLETT & O BRYAN FERTILIZER CO	3.6*	10.7	10.4	101
4 12 8M					
5760	BARTLETT & O BRYAN FERTILIZER CO	3.6*	11.2*	10.1	98*
7857	R R HICKEYS GROCERY	3.3*	10.5*	8.9	90*
7863	STEVE STRANEY	3.4*	11.1*	10.1	97*
9853	PAUL BRITE	3.2*	11.2*	9.1	93*
4 12 8M LIQUID					
5962	BARTLETT & O BRYAN FERTILIZER CO	3.8	10.6*	8.4	100
4 16 16M					
5761	BARTLETT & O BRYAN FERTILIZER CO	4.0	15.9	18.6	104
7864	W J MULLICAN	4.0	15.4*	18.9	103
5 10 15S					
5762	BARTLETT & O BRYAN FERTILIZER CO	5.3	10.2	15.0	103
7858	ROBERT PENCE	4.5*	11.3	14.4*(1)	101
7865	STEVE STRANEY	4.3*	10.3	15.0	97*
7866	ADAM GILDERSLEEVE	4.5*	9.9	15.5	98*
7897	L R CHAPMAN	5.4	10.5	18.0 (2)	110
9852	PAUL BRITE	5.0	10.7	16.6 (3)	106
5 20 20M					
5763	BARTLETT & O BRYAN FERTILIZER CO	5.1	17.8*	24.0	100
5911	BARTLETT & O BRYAN FERTILIZER CO	4.5*	19.3*	17.9*	93*
6 12 12M					
7898	L R CHAPMAN	5.9	12.2	13.6	103
7 14 7M LIQUID					
5912	BARTLETT & O BRYAN FERTILIZER CO	7.0	13.6*	7.0	99
8 24 16M					
5913	BARTLETT & O BRYAN FERTILIZER CO	7.5*	23.2*	15.0*	95*
7867	ADAM GILDERSLEEVE	8.5	25.1	16.1	104
7904	C C HARDWARE FEED & SEED COMPANY	5.4*	21.0*	16.2	85*

(1) EXCESS MURIATE EQUIVALENT TO 2.2%

(2) EXCESS MURIATE EQUIVALENT TO 1.0%

(3) EXCESS MURIATE EQUIVALENT TO 1.1%



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b><u>BARTLETT &amp; O BRYAN FERT CO CONTINUED</u></b>					
	10 10 10M				
5764	BARTLETT & O BRYAN FERTILIZER CO	8.9*	10.0	10.6	96*
5914	BARTLETT & O BRYAN FERTILIZER CO	9.4*	10.7	10.2	100
7859	ROBERT PENCE	9.5*	10.1	10.9	99
7868	ADAM GILDERSLEEVE	9.9	10.5	11.7	104
7869	W MAYO	9.7	10.9	10.5	102
	10 10 10M LIQUID				
5964	BARTLETT & O BRYAN FERTILIZER CO	9.2*	9.2*	9.6*	93*
	12 12 12M				
7870	BARTLETT & O BRYAN FERTILIZER CO	8.8*	12.2	12.5	88*
	SUPERPHOSPHATE				
5756	BARTLETT & O BRYAN FERTILIZER CO		20.0		100
	46 TRIPLE SUPERPHOSPHATE				
5757	BARTLETT & O BRYAN FERTILIZER CO		42.4*		92*
5909	BARTLETT & O BRYAN FERTILIZER CO		26.2*		79*
	SULFATE OF POTASH				
5755	BARTLETT & O BRYAN FERTILIZER CO			52.0	104
5903	BAKERS PHOSPHATE & FERT SERVICE			51.0	102
<b><u>BLUEGRASS PLANT FOODS INC</u></b>					
	0 10 20M WITH 2 LBS BORAX PER 100 <sup>(1)</sup>				
6712	L O HARRIS & SONS		10.0	20.7	102
	0 12 12M				
6737	STEWART HOME TRAINING SCHOOL		12.2	12.1	101
	0 12 12M WITH 3 LBS BORAX PER 100 <sup>(2)</sup>				
6735	STEWART HOME TRAINING SCHOOL		11.5*	12.1	98*
	0 20 20M				
7217	WALKERS SUPPLY COMPANY		18.7*	18.9*	94*
7251	PATRICKS STORE		16.8*	20.8	91*
9354	WEST LIBERTY CUT RATE MARKET		19.2*	20.0	97*
	0 20 20M WITH 5 LBS BORAX PER 100 <sup>(3)</sup>				
6491	O L MITTS		16.8*	20.2	90*
6582	BLUEGRASS PLANT FOODS DANVILLE		17.4*	20.9	93*
9212	RICHARD FRYMAN		19.3*	19.2*	96*
	2 12 6M				
6581	BLUEGRASS PLANT FOODS DANVILLE	2.1	12.0	6.8	103
9468	DORSEY BROTHERS & FISHER	2.4	12.2	7.5	109
9631	EARL KENDALL	2.0	11.8	6.1	99
	3 9 6M WITH 0.15 ALDRIN PER TON <sup>(4)</sup>				
9628	EARL KENDALL	3.3	9.2	6.2	105
	3 9 6M				
7245	LAUREL GROCERY	3.0	8.5*	6.2	98*
9345	SALYERSVILLE MARKET	3.7	8.3*	6.5	104
9601	BENTLEY BROTHERS	3.0	8.6*	6.1	98*
	3 9 6S				
9626	EARL KENDALL	3.0	8.9	6.1	100

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76

(3) SEE BORON TABLE PAGE 76

(4) ALDRIN GUARANTEED 0.15%----FOUND 0.14%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<b>BLUEGRASS PLANT FOODS INC CONTINUED</b>					
6804	3 12 12H FARMERS SUPPLY COMPANY HARRODSBURG	3.3	11.6*	12.1	100
9602	BENTLEY BROTHERS	3.3	11.7	12.1	101
9453	4 8 12S EARL KENDALL	4.2	7.9	12.2	102
8483	4 12 4M ADAIR MILLING COMPANY	4.2	13.9	6.9	118
7137	4 12 8M COFFEYS STORE	4.2	11.5*	8.8	101
7252	PATRICKS STORE	4.5	11.8	8.0	103
9209	RICHARD FRYMAN	4.2	11.9	8.5	102
9243	ELWOOD LOGAN	4.1	11.6*	8.1	99
9353	WEST LIBERTY CUT RATE MARKET	4.1	12.0	8.0	101
9400	LOUISA GROCERY	4.1	11.4*	8.1	98*
9552	LOUISA GROCERY	4.1	11.9	8.0	100
9467	4 12 8S AMBURGEYS FARM SUPPLY	4.0	12.0	8.9 (1)	102
9629	EARL KENDALL	4.5	12.3	9.3 (2)	108
7165	5 10 5M MOUNTAIN WHOLESALE GROCERY	5.0	11.0	8.0	113
6261	5 10 10M BLUEGRASS PLANT FOODS DANVILLE	5.5	10.2	10.3	105
6607	JAMES BROTHERS	4.9	10.5	10.0	102
6738	STEWART HOME TRAINING SCHOOL	5.0	10.0	9.9	100
6847	BLUEGRASS PLANT FOODS DANVILLE	5.5	10.5	9.8	105
7262	MOUNTAIN WHOLESALE GROCERY	4.6*	11.4	8.0*	99
9386	ASHLAND GROCERY COMPANY	5.0	9.5*	10.1	98*
9401	LOUISA GROCERY	5.0	9.6*	9.7	98*
9523	BEAUTY CASH STORE	5.0	10.0	10.0	100
9564	ASHLAND GROCERY COMPANY	5.2	10.1	10.1	102
9579	SALYERSVILLE MARKET	5.0	10.2	9.8	100
6260	5 10 15S BLUEGRASS PLANT FOODS DANVILLE	5.2	10.3	15.0	102
6344	GENTRY LEE	5.0	10.0	14.9	100
6345	CHESTER WATKINS	5.0	10.0	14.9	100
6578	BLUEGRASS PLANT FOODS DANVILLE	4.9	10.0	15.1	100
6629	WILLARD MCCLURE	5.1	10.0	15.0	101
6705	H R STOUTT	5.2	9.7	15.1	100
6711	L O HARRIS & SONS	5.2	9.8	15.2	101
6805	FARMERS SUPPLY COMPANY HARRODSBURG	4.7*	10.1	15.0 (3)	99
6837	ST CATHERINES ACADEMY	5.0	9.8	15.0	99
7189	BRADIE TEATER	5.0	10.0	15.0	100
7218	WALKER SUPPLY COMPANY	5.2	10.0	15.0	101
7302	CRAB ORCHARD LUMBER COMPANY	4.8	10.0	15.2	99
7327	PATRICKS STORE	4.9	10.4	14.8	101
8535	I K MILLER & SON	5.1	9.6*	15.4	100
8873	I K MILLER & SON	5.0	10.0	15.5	101
9204	RICHARD FRYMAN	5.1	9.9	15.0	100
9252	STAGGS BROTHERS	5.0	9.7	15.3	99
9298	BI COUNTY FARM BUREAU COOP	5.0	10.0	15.2	100
9325	SANDY VALLEY GROCERY COMPANY	5.1	10.0	15.0	101
9351	WEST LIBERTY CUT RATE MARKET	5.1	10.0	15.0	101
9476	J R PRATHER	5.0	9.7	15.0	99
9537	HUGHES HAMILTON COLONIAL HOME FARM	5.1	10.0	15.0	101
9821	SIMPSON MILL	5.2	9.7	15.0	100
7188	5 15 0 BRADIE TEATER	5.1	13.8*		95*

(1) EXCESS MURIATE EQUIVALENT TO 0.4%.

(2) EXCESS MURIATE EQUIVALENT TO 0.8%.

(3) EXCESS MURIATE EQUIVALENT TO 1.2%.



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>BLUEGRASS PLANT FOODS INC CONTINUED</b>					
	5 20 20M				
6490	O L MITTS	5.4	17.7*	18.8*	94*
6850	BLUEGRASS PLANT FOODS DANVILLE	5.1	17.9*	17.9*	92*
7297	BURCH HESTER FEED STORE	5.7	17.8*	21.0	98*
7303	CRAB ORCHARD LUMBER COMPANY	4.8	19.6	16.7*	94*
9835	ADAIR MILLING COMPANY	5.1	18.3*	20.9	97*
	6 6 18M				
6577	KENTUCKY SCHOOL FOR DEAF	5.6*	6.5	18.0	100
6901	MORGAN & CRENSHAW	5.9	6.7	17.7	102
9206	RICHARD FRYMAN	5.9	6.3	21.1	107
	6 6 18S				
6259	BLUEGRASS PLANT FOODS DANVILLE	6.4	7.0	16.4*	103
6601	BUDDY COSTIGAN	5.9	6.3	17.7	100
6605	CRUTCHER HARROD	5.7*	6.5	18.0	100
6740	ROY SMITH	5.9	6.3	18.0	101
6848	BLUEGRASS PLANT FOODS DANVILLE	6.0	6.7	17.6*	102
9205	RICHARD FRYMAN	5.9	6.7	17.1*	100
9454	EARL KENDALL	5.9	6.0	18.2	100
9630	EARL KENDALL	6.0	7.0	17.3*	103
	6 8 6M				
6395	BLUEGRASS PLANT FOODS DANVILLE	6.2	8.2	6.5	104
6580	BLUEGRASS PLANT FOODS DANVILLE	5.7*	9.2	9.8	113
6630	WILLARD MCCLURE	6.1	7.9	6.9	103
6736	STEWART HOME TRAINING SCHOOL	6.2	8.3	6.6	105
9324	SANDY VALLEY GROCERY COMPANY	6.0	8.0	7.5	104
9347	SALYERSVILLE MARKET	6.0	8.0	6.5	101
	6 8 6S				
6396	BLUEGRASS PLANT FOODS DANVILLE	6.1	8.7	6.4	105
6849	BLUEGRASS PLANT FOODS DANVILLE	6.1	8.8	9.3 (1)	113
9208	RICHARD FRYMAN	5.7*	8.0	6.4	99
9254	STAGGS BROTHERS	5.9	8.0	6.2	100
9326	SANDY VALLEY GROCERY COMPANY	5.2*	8.1	6.2	95*
9346	SALYERSVILLE MARKET	5.6*	8.1	6.5	99
9352	WEST LIBERTY CUT RATE MARKET	5.0*	7.8	6.9	94*
	6 8 12 9S 3M				
9210	RICHARD FRYMAN	5.7*	8.4	12.2	100
	6 12 18S				
6606	JAMES BROTHERS	6.1	12.0	18.0	101
6787	MRS ELLIE BUNTAIN	5.7*	13.4	17.0*	102
6838	MORRISON O NAN	5.7*	12.2	17.7	99
9211	RICHARD FRYMAN	6.0	11.9	18.1	100
9344	SALYERSVILLE MARKET	5.7*	11.9	17.6*	98*
	8 8 8M				
6839	M T O NAN	8.1	9.1	8.1	105
	10 6 4M				
6774	KENTUCKY STATE COLLEGE	9.5*	7.0	5.6	107
	10 10 10M				
6415	LINCOLN INSTITUTE	9.5*	10.0	10.6	99
6704	H R STOUTT	9.8	10.0	10.5	100
7298	BURCH HESTER FEED STORE	9.4*	10.1	10.1	98*
8871	I K MILLER & SON	9.6*	10.3	10.2	99
9553	LOUISA GROCERY	9.4*	10.1	10.3	98*
9822	SIMPSON MILL	9.5*	10.3	10.0	99
	12 12 12M				
6280	LINCOLN INSTITUTE	12.1	11.6*	12.5	100
7263	MOUNTAIN WHOLESALE GROCERY	11.4*	13.1	11.5*	100
9554	LOUISA GROCERY	11.9	12.0	12.4	100

(1) EXCESS MURIATE EQUIVALENT TO 1.3%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>BLUEGRASS PLANT FOODS INC CONTINUED</u>					
<u>SUPERPHOSPHATE</u>					
6579	BLUEGRASS PLANT FOODS DANVILLE		19.9		100
8534	I K MILLER & SON		20.7		103
9253	STAGGS BROTHERS		20.9		105
9859	I K MILLER & SON		19.9		100
<u>SULFATE OF POTASH MAGNESIA</u>					
9207	RICHARD FRYMAN			22.5	105
9491	JULIUS & CARL FISTER			21.5	100
<u>SULFATE OF POTASH</u>					
6608	JAMES BROTHERS			52.5	105
6703	H R STOUTT			50.0	100
<u>MURIATE OF POTASH</u>					
6713	L O HARRIS & SONS			60.0	100
<u>THE BORDEN COMPANY</u>					
<u>UREA</u>					
9311	HILLENMEYER NURSERIES	38.1			100
<u>BUHNER FERTILIZER COMPANY</u>					
6874	0 9 27M WITH 1 LB BORAX PER 100 <sup>(1)</sup> AMERICAN AGRI CHEM WHSE LOUISVILLE		9.5	26.1*	100
<u>4 12 8M</u>					
6810	RIZER BROTHERS	4.6	12.3	8.7	107
8667	WOODSON LEWIS	4.0	12.2	8.2	101
<u>6 8 6S</u>					
6645	J W SETTLE FEED STORE	6.5	9.1	6.3	110
6660	W C SIEGLE HARDWARE	6.3	9.1	6.5	109
6875	AMERICAN AGRI CHEM WHSE LOUISVILLE	6.5	9.3	6.5	112
<u>10 10 10M</u>					
6659	W C SIEGLE HARDWARE	9.6*	10.9	10.9	103
6920	AMERICAN AGRI CHEM WHSE LOUISVILLE	10.3	10.6	10.1	104
<u>BUNTON SEED COMPANY</u>					
<u>6 12 6M</u>					
6447	BUNTON SEED COMPANY	6.4	13.3	8.7	114
6671	BUNTON SEED COMPANY	6.2	12.4	8.4	108
6915	BUNTON SEED COMPANY	5.4*	12.6	6.3	99
<u>10 12 6M</u>					
6446	BUNTON SEED COMPANY	9.6*	12.3	7.6	102
<u>BURLEY BELT PLANT FOOD WORKS</u>					
<u>0 20 20M</u>					
6770	KENTUCKY TRAINING HOME		18.1*	20.0	94*
7163	WOOTEN WHOLESALE COMPANY		19.2*	20.0	97*
9416	BURLEY BELT PLANT FOOD WORKS		18.8*	20.7	97*

(1) SEE BORON TABLE PAGE 76



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b><u>BURLEY BELT PLANT FOOD WKS CONTINUED</u></b>					
<b>3 9 6M</b>					
9412	BURLEY BELT PLANT FOOD WORKS	3.2	9.6	6.6	107
9513	DERMONTS	3.0	8.9	6.3	100
<b>4 12 8M</b>					
7161	JETTS GROCERY	4.2	12.0	8.1	102
9411	BURLEY BELT PLANT FOOD WORKS	4.2	11.7	8.2	100
<b>5 10 5M</b>					
7162	WOOTEN WHOLESALE COMPANY	5.0	9.7	5.3	99
<b>5 10 10M</b>					
6745	JOHN B PENN COMPANY	4.9	9.5*	10.0	97*
6925	GENTRY MCCAULEY	5.4	9.1*	11.2	101
7164	WOOTEN WHOLESALE COMPANY	5.0	9.3*	10.2	97*
9410	BURLEY BELT PLANT FOOD WORKS	4.9	9.1*	10.0	95*
9585	ORMAND LEWIS	5.1	9.9	9.8	100
<b>5 10 15S</b>					
6520	JOHN B PENN COMPANY	4.9	10.0	14.6*	99
6896	JOHN B PENN COMPANY	5.2	9.6*	15.2	100
7160	JETTS GROCERY	5.0	10.3	14.8	101
9350	ORMOND LEWIS	4.6*	10.2	15.1	99
9413	BURLEY BELT PLANT FOOD WORKS	5.1	10.0	15.0	101
9569	BURLEY BELT PLANT FOOD WORKS	5.1	10.2	14.4*	100
9584	ORMAND LEWIS	5.0	10.0	15.0	100
9591	PEKS FARMERS SUPPLY	5.0	10.1	15.0	100
<b>6 6 18M</b>					
6420	KENTUCKY STATE REFORMATORY	6.0	5.6*	18.7	100
6543	KENTUCKY TRAINING HOME	5.7	6.0	17.8	98*
6894	JOHN B PENN COMPANY	5.8	5.5*	18.0	97*
9409	BURLEY BELT PLANT FOODS WORKS	6.0	7.4	17.1*	104
9492	KENTUCKY VILLAGE	6.0	6.2	18.1	101
<b>6 6 18S</b>					
6472	GENTRY MCCAULEY	6.2	6.5	17.1*	101
6521	JOHN B PENN COMPANY	6.1	6.6	17.6*	102
6747	JOHN B PENN COMPANY	6.2	6.4	18.0	103
6794	GENTRY MCCAULEY	6.0	6.4	17.8	101
6895	JOHN B PENN COMPANY	6.2	6.4	17.5*	102
9414	BURLEY BELT PLANT FOOD WORKS	6.2	6.6	18.0	104
<b>6 8 6S</b>					
6471	GENTRY MCCAULEY	6.2	8.0	6.8	104
6522	JOHN B PENN COMPANY	6.0	8.0	6.3	101
9349	ORMAND LEWIS	6.0	8.0	6.5	101
9415	BURLEY BELT PLANT FOOD WORKS	6.0	8.2	6.2	102
9583	ORMAND LEWIS	6.1	8.4	6.3	104
<b>10 10 10M</b>					
6897	JOHN B PENN COMPANY	9.6*	10.0	11.0	100
7255	EVERETT THOMAS	9.2*	10.1	10.4	97*
7261	WOOTEN WHOLESALE COMPANY	9.7	10.2	9.9	99
9408	BURLEY BELT PLANT FOOD WORKS	9.7	10.4	10.1	100
9514	DERMONTS	10.0	9.9	10.2	100
<b>SUPERPHOSPHATE</b>					
6746	JOHN B PENN COMPANY		20.9		105
9417	BURLEY BELT PLANT FOOD WORKS		21.1		105
<b><u>CALIFORNIA SPRAY CHEMICAL CORP</u></b>					
<b>10 5 5M LIQUID</b>					
7824	YOPP SEED COMPANY	10.2	5.2	5.1	102

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b><u>CHILEAN NITRATE SALES CORPORATION</u></b>					
5619	NITRATE OF SODA COOPER SEED & FEED STORE	162			101
<b><u>COMMERCIAL SOLVENTS CORPORATION</u></b>					
7752	AMMONIUM NITRATE FELTY PRODUCE COMPANY	333			99
7978	T R AKRIDGE	333			99
8768	LILLY BROTHERS SEED COMPANY	336			100
9455	WOODFORD SPEARS & SONS	337			101
<b><u>COMMONWEALTH FERTILIZER COMPANY INC</u></b>					
7907	0 20 20M C C HARDWARE FEED & SEED COMPANY		202	225	105
8488	EDMONTON FARM CENTER		199	207	101
8570	HUDSON FEED MILL		206	214	104
8779	COMMONWEALTH FERTILIZER COMPANY		207	208	104
8911	FARMERS SUPPLY COMPANY MORGANTOWN		197	232	104
8923	0 30 30M BIG FOUR FEED & IMPLEMENT COMPANY		292*	30.1	98*
7814	3 9 6M MCKNIGHTS FARM STORE	32	95	6.1	105
8489	EDMONTON FARM CENTER	28	92	6.9	102
8777	COMMONWEALTH FERTILIZER COMPANY	31	90	6.2	102
8912	FARMERS SUPPLY COMPANY MORGANTOWN	3.0	9.6	6.1	104
8776	3 12 12M COMMONWEALTH FERTILIZER COMPANY	3.0	12.2	12.1	101
7908	4 12 8M C C HARDWARE FEED & SEED COMPANY	4.2	11.4*	8.7	100
8569	HUDSON FEED MILL	3.8	11.7	9.0	100
8701	FOUNTAIN RUN MILLING COMPANY	4.1	11.1*	8.4	98*
9831	COOMER FEED STORE	4.1	11.5*	8.1	99
9883	COMMONWEALTH FERTILIZER COMPANY	4.0	11.3*	8.7	98*
8987	4 12 8M WITH 00.50 ALDRIN COMMONWEALTH FERTILIZER COMPANY <sup>(1)</sup>	3.9	10.7*	8.7	95*
8778	5 10 10S COMMONWEALTH FERTILIZER COMPANY	4.7*	11.0	9.4*	101
7815	5 10 15S MCKNIGHTS FARM STORE	5.5	10.0	15.0	103
7909	C C HARDWARE FEED & SEED COMPANY	4.8	10.6	15.0	101
8491	EDMONTON FARM CENTER	4.9	9.2*	15.1	96*
8700	FOUNTAIN RUN MILLING COMPANY	4.8	10.6	13.2*	98*
8986	JOE RAY BROWN	5.0	10.3	14.6*	100
9832	COOMER FEED STORE	4.8	10.7	13.1*	98*
9882	5 10 15S WITH 00.30 ALDRIN COMMONWEALTH FERTILIZER COMPANY <sup>(2)</sup>	4.8	10.0	15.0	99
8782	5 20 20M COMMONWEALTH FERTILIZER COMPANY	5.0	20.1	18.6*	98*

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

(2) ALDRIN GUARANTEED 0.30%----FOUND 0.31%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>COMMONWEALTH FERTILIZER CO CONTINUED</u>					
	6 12 12M				
7747	C C HARDWARE FEED & SEED COMPANY	6.0	11.7	12.0	99
7816	MCKNIGHTS FARM STORE	6.1	11.4*	12.1	99
8568	HUDSON FEED MILL	6.0	11.2*	12.7	98*
8781	COMMONWEALTH FERTILIZER COMPANY	6.0	10.9*	12.7	97*
8985	A A SHACKELFORD	6.3	11.1*	12.7	100
	10 10 10M				
7817	MCKNIGHTS FARM STORE	9.9	10.1	10.4	101
7910	C C HARDWARE FEED & SEED COMPANY	10.1	9.9	10.9	102
8680	EDMONTON FARM CENTER	9.8	9.8	10.1	99
8780	COMMONWEALTH FERTILIZER COMPANY	9.6*	10.2	10.5	100
	SUPERPHOSPHATE				
7906	C C HARDWARE FEED & SEED COMPANY		20.4		102
8490	EDMONTON FARM CENTER		19.9		100
	SULFATE OF POTASH				
7905	C C HARDWARE FEED & SEED COMPANY			50.5	101
8681	EDMONTON FARM CENTER			50.0	100
<u>CONSOLIDATED CHEMICAL COMPANY</u>					
	2 12 6M				
6274	OSCAR FARMER & SONS	2.7	12.1	6.2	107
	4 12 8M				
6273	OSCAR FARMER & SONS	4.2	11.8	8.5	102
6555	HAYDON COAL & OIL COMPANY	4.5	12.1	8.7	105
6885	OSCAR FARMER & SONS	4.2	11.4*	8.9	101
	5 10 10M				
6557	HAYDON COAL & OIL COMPANY	5.2	9.6*	13.4	107
	5 10 15S				
6272	OSCAR FARMER & SONS	5.3	10.6	15.0	104
6385	HAYDON COAL & OIL COMPANY	5.3	10.2	15.7	104
6834	HAYDON COAL & OIL COMPANY	5.5	10.0	15.7	104
	6 6 18S				
6556	HAYDON COAL & OIL COMPANY	6.1	7.1	18.0	105
	6 8 6S				
6271	OSCAR FARMER & SONS	6.1	8.8	7.1	108
	10 10 10M				
6386	HAYDON COAL & OIL COMPANY	10.1	9.9	10.6	101
6884	OSCAR FARMER & SONS	10.3	10.1	10.6	103
<u>COOPERATIVE FERTILIZER SERVICE</u>					
	0 20 20M				
7225	MCCARTY FARM SERVICE		20.1	21.0	102
7230	HARLAN FARMERS SUPPLY		20.7	20.7	104
7237	FIELDS GRAIN & FEED COMPANY		20.5	20.7	103

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<b>COOPERATIVE FERT SERVICE CONTINUED</b>					
0 20 40M WITH 4 LBS BORAX PER 100 <sup>(1)</sup>					
6369	SOUTHERN STATES LEBANON COOP	19.9	40.7	101	
6404	SOUTHERN STATES SHELBYVILLE COOP	19.3*	39.0*	97*	
6483	SOUTHERN STATES HARRODSBURG COOP	19.4*	38.4*	97*	
6625	LOUISVILLEJEFFERSON CO CHILDREN HOME	20.4	38.5*	99	
6757	SOUTHERN STATES SHELBYVILLE COOP	19.6	40.0	99	
6802	SOUTHERN STATES HARRODSBURG COOP	19.9	40.0	100	
6818	SOUTHERN STATES BARDSTOWN COOP	20.5	37.0*	98*	
6927	TRIMBLE COUNTY FARM BUREAU	21.0	37.9*	100	
7187	LINCOLN FARM SERVICE	20.2	38.6*	99	
7272	FARMERS SUPPLY & PRODUCE MONTICELLO	20.4	38.9*	100	
8523	SOUTHERN STATES BOWLING GREEN COOP	19.7	39.5	99	
8645	STINSON FARM SUPPLY	18.9*	38.0*	95*	
8852	STINSON FARM SUPPLY	20.9	37.2*	99	
8867	W C TURNER	20.0	38.0*	98*	
8902	SOUTHERN STATES SIMPSON COOP	19.1*	40.0	99	
8997	SOUTHERN STATES GLASGOW COOP	20.6	38.6*	100	
9103	WOMACK BROTHERS FARM SUPPLY	20.3	39.0*	100	
9384	SOUTHERN STATES ASHLAND COOP	20.0	38.5*	98*	
9470	SOUTHERN STATES CARLISLE COOP	20.8	39.7	102	
9498	SOUTHERN STATES CAMPBELL COOP	19.9	40.4	100	
9548	WOMACK BROTHERS FARM SUPPLY	20.2	39.0*	99	
9563	GREENUP FARMERS SUPPLY	21.1	39.2*	102	
9634	SOUTHERN STATES CYNTHIANA COOP	20.1	40.2	101	
9804	FARMERS SERVICE TOMPKINSVILLE	20.0	37.9*	97*	
9846	FARMERS EXCHANGE COMPANY BURKESVILLE	20.0	38.5*	98*	
9856	MORRISON FARM SERVICE	20.0	38.0*	98*	
9891	MORRISON FARM SERVICE	20.5	38.8*	100	
9894	SOUTHERN STATES ELIZABETHTOWN COOP	20.0	39.0*	99	
9896	STINSON FARM SUPPLY	19.9	38.7*	98*	
9897	ADAIR FARMERS SERVICE	19.9	38.5*	98*	
9898	FARMERS EXCHANGE COMPANY BURKESVILLE	20.5	39.0*	100	
9899	W C TURNER	19.9	38.3*	98*	
0 30 30M					
5790	SOUTHERN STATES HENDERSON COOP	29.3*	30.2	99	
5819	SOUTHERN STATES CRITTENDEN COOP	28.3*	30.2	96*	
6359	SOUTHERN STATES BARDSTOWN COOP	29.2*	30.2	98*	
6405	SOUTHERN STATES SHELBYVILLE COOP	29.7	30.5	100	
6714	CARROLL COUNTY FARM BUREAU COOP	28.8*	30.2	98*	
6727	HENRY COUNTY FARM & HOME SERVICE	28.7*	29.1*	96*	
6779	ANDERSON COUNTY FARM SERVICE	30.2	30.0	100	
6851	SOUTHERN STATES OWENTON COOP	29.4*	31.0	100	
6854	SOUTHERN STATES LOUISVILLE COOP	30.1	30.0	100	
7157	DEATON BROTHERS	31.1	30.0	102	
7266	REXROAT SUPPLY COMPANY	29.7	30.2	100	
7301	LINCOLN FARM SERVICE	31.2	30.1	103	
7311	HARLAN FARMERS SUPPLY COMPANY	29.5	29.2*	98*	
7324	HARRISON FARM SUPPLY	29.1*	30.8	99	
7821	PHELPS BROTHERS FARM SERVICE	31.2	28.5*	101	
7921	SOUTHERN STATES OWENSBORO COOP	30.3	30.0	101	
8484	FARMERS EXCHANGE COMPANY BURKESVILLE	30.9	29.7	102	
8676	SOUTHERN STATES CAMPBELLVILLE COOP	28.6*	30.2	97*	
8840	SOUTHERN STATES HARDIN COOP	29.7	30.6	100	
8900	SOUTHERN STATES SIMPSON COOP	30.8	30.0	102	
8927	ALLEN COUNTY FARMERS SERVICE	29.1*	30.0	98*	
8955	SOUTHERN STATES HOPKINSVILLE COOP	30.6	29.9	101	
9266	SOUTHERN STATES MAYSVILLE COOP	30.2	30.0	100	
9323	FARMERS SUPPLY COMPANY PAINTSVILLE	28.6*	30.7	98*	
9383	SOUTHERN STATES ASHLAND COOP	29.4*	30.5	99	
9437	SOUTHERN STATES FLEMINGSBURG COOP	29.4*	30.0	99	
9549	WOMACK BROTHERS FARM SUPPLY	29.5	30.0	99	
9565	SOUTHERN STATES ASHLAND COOP	30.0	30.0	100	
9829	ADAIR FARMERS SERVICE	30.9	30.0	102	
2 12 12M					
7130	HARLAN FARMERS SUPPLY	2.2	12.7	12.7	106
3 12 12M					
5544	SOUTHERN STATES MADISONVILLE COOP	4.2	11.4*	12.2	106
5750	HANCOCK COUNTY FARM SUPPLY	3.8	11.6*	12.1	104
5777	HICKORY BILLS FARM STORE	3.1	12.0	12.1	101
5791	SOUTHERN STATES HENDERSON COOP	3.2	12.1	12.4	103
6366	SOUTHERN STATES LEBANON COOP	3.0	11.3*	12.6	98*
6400	TRIMBLE COUNTY FARM BUREAU COOP	3.1	12.0	12.1	101
6532	SOUTHERN STATES BARDSTOWN COOP	3.1	12.0	12.7	102
6618	ANDERSON COUNTY FARM SERVICE	3.3	11.9	12.5	103

(1) SEE BORON TABLE PAGE 76



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>COOPERATIVE FERT SERVICE CONTINUED</b>					
<b>3 12 12M CONTINUED</b>					
6628	SOUTHERN STATES LAGRANGE COOP	3.3	115*	13.0	102
7071	FARMERS SUPPLY & PRODUCE MONTICELLO	3.1	11.9	12.6	102
7093	CASEY COUNTY FARM SUPPLY	3.1	12.2	12.5	103
7103	LINCOLN FARM SERVICE	3.1	12.0	12.7	102
8416	MEADE FARMERS SUPPLY	3.0	12.0	12.4	101
8672	WOODSON C TURNER	3.2	11.8	13.2	103
9102	WOMACK BROTHERS FARM SUPPLY	3.3	11.9	12.5	103
9134	CARMARGO FARMERS SUPPLY	3.3	12.1	12.4	103
9268	SOUTHERN STATES MAYSVILLE COOP	3.3	11.9	12.4	102
9828	ADAIR FARMERS SERVICE	3.0	11.4*	12.4	98*
<b>4 12 8M</b>					
5545	SOUTHERN STATES MADISONVILLE COOP	4.2	11.9	8.3	102
5556	SLAUGHTERS MERCANTILE COMPANY	4.1	11.7	8.1	100
5575	GRAVES COUNTY SOIL ASSOCIATION	4.2	11.9	8.4	102
5583	NEELS FARM STORE	4.3	11.8	8.3	102
6251	SOUTHERN STATES LEBANON COOP	4.4	11.9	8.2	103
6342	ANDERSON COUNTY FARM SUPPLY	4.2	11.9	8.5	102
6368	SOUTHERN STATES LEBANON COOP	4.1	11.9	8.4	101
6545	VIRGIL ADAMS	4.1	12.0	8.3	101
6650	BRIDWELLS FEED MILL	4.2	12.0	8.7	103
7072	FARMERS SUPPLY & PRODUCE MONTICELLO	4.2	11.9	8.2	101
7079	SOUTHERN STATES SOMERSET COOP	4.1	11.9	9.0	103
7092	CASEY COUNTY FARM SUPPLY	4.1	12.0	8.4	102
7107	ROCKCASTLE FARM SERVICE	4.2	11.9	9.0	103
8417	SOUTHERN STATES LEITCHFIELD COOP	4.2	11.5*	8.2	100
8524	SOUTHERN STATES BOWLING GREEN COOP	4.1	11.7	8.4	100
8543	FARMERS SERVICE HARDINSBURG	4.2	11.7	8.4	101
9087	C D WILLIAMS	4.0	12.1	8.4	101
9094	FARM & HOME STORE PRESTONBURG	4.4	12.0	8.5	104
9118	OWINGSVILLE FARMERS SUPPLY	4.3	12.0	8.8	104
9131	CAMARGO FARMERS SUPPLY	4.2	12.1	8.5	103
9288	SOUTHERN STATES CAMPBELL COOP	4.2	12.0	9.0	104
<b>5 10 5M</b>					
7238	FIELDS GRAIN & FEED COMPANY	5.3	10.6	5.2	106
7312	HARLAN FARMERS SUPPLY	5.4	10.6	5.3	107
<b>5 10 10M</b>					
7131	HARLAN FARMERS SUPPLY	5.1	10.7	10.5	105
7226	MCCARTY FARM SERVICE	5.0	11.3	10.4	107
<b>5 10 15S</b>					
5557	SLAUGHTERS MERCANTILE COMPANY	5.1	10.3	15.0	102
5576	GRAVES COUNTY SOIL ASSOCIATION	4.9	10.2	15.5	101
5649	CALLOWAY CO SOIL IMPROVEMENT ASSN	5.1	10.1	15.3	101
5679	C S MCCULLY	5.1	10.2	15.2	102
6234	SOUTHERN STATES FRANKFORT COOP	5.3	10.6	14.9	104
6241	HENRY COUNTY FARM & HOME SERVICE	5.3	10.0	15.2	102
6249	SOUTHERN STATES LEBANON COOP	5.0	10.1	15.0	100
6456	SOUTHERN STATES OWENTON COOP	5.0	10.2	15.2	101
6540	SOUTHERN STATES FRANKFORT COOP	5.1	10.3	15.3	102
6594	SOUTHERN STATES HARRODSBURG COOP	5.0	10.1	15.0	100
6598	HARRY DAULTON	5.2	10.3	15.0 (1)	102
6603	IRA BEST	5.2	10.3	15.5	103
6639	SOUTHERN STATES OWENTON COOP	5.0	10.4	14.5*	101
6702	TRIMBLE COUNTY FARM BUREAU COOP	5.1	10.2	15.2	102
6755	SOUTHERN STATES GEORGETOWN COOP	5.1	10.4	15.0	102
6835	DON ROGERS	5.1	10.3	15.0	102
7067	REXROAT SUPPLY COMPANY	5.1	10.1	15.2	101
7073	FARMERS SUPPLY & PRODUCE MONTICELLO	5.1	10.3	15.2	102
7081	SOUTHERN STATES SOMERSET COOP	5.2	10.1	15.5	103
7102	LINCOLN FARM SERVICE	4.9	10.4	14.5*	100
7106	ROCKCASTLE FARM SERVICE	5.0	10.3	14.9	101
7273	FARMERS SUPPLY & PRODUCE MONTICELLO	5.3	10.5	15.2	104
7316	GIBSONS FARM & HOME SERVICE	5.0	10.4	15.0	102
8409	MAJORS FARM STORE	5.0	10.0	15.6	101
8424	SOUTHERN STATES HARDIN COOP	4.9	10.4	15.7 (2)	102
8690	FARMERS SERVICE TOMPKINSVILLE	5.1	10.3	15.5	103
8868	W C TURNER	5.0	10.2	15.5	102
9104	WOMACK BROTHERS FARM SUPPLY	5.2	10.3	14.9	102
9119	OWINGSVILLE FARMERS SUPPLY	5.2	10.1	14.9	101
9129	CAMARGO FARMERS SUPPLY	5.1	10.5	15.0	103
9138	AMBURGEYS FARM SUPPLY	5.1	10.2	14.9	101
9215	SOUTHERN STATES CYNTHIANA COOP	5.2	10.1	15.0	102

(1) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (2) EXCESS MURIATE EQUIVALENT TO 0.3%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
<i>5 20 20M</i>					
5577	GRAVES COUNTY SOIL ASSOCIATION	5.2	19.9	21.0	102
5680	C S MCCULLY	5.4	20.0	21.0	103
5778	HICKORY BILLS FARM STORE	5.1	19.9	20.5	101
5792	SOUTHERN STATES HENDERSON COOP	5.1	19.4*	20.4	99
6252	SOUTHERN STATES LEBANON COOP	5.5	19.9	20.8	103
6367	SOUTHERN STATES LEBANON COOP	5.4	19.6*	21.2	102
6401	TRIMBLE COUNTY FARM BUREAU COOP	5.1	19.1*	21.1	99
6651	BRIDWELLS FEED MILL	5.0	20.1	20.2	101
6679	SPENCER FARM SERVICE	5.0	20.0	21.0	101
6715	CARROLL COUNTY FARM BUREAU COOP	5.2	21.0	18.8*	102
6728	HENRY COUNTY FARM & HOME SERVICE	5.2	20.1	20.7	102
6758	SOUTHERN STATES SHELBYVILLE COOP	5.0	19.8	21.2	101
7068	REXROAT SUPPLY COMPANY	5.2	19.5*	20.7	100
7220	RICHMOND FARM SERVICE	5.1	19.7	20.2	100
7300	LINCOLN FARM SERVICE	4.9	20.0	20.0	100
7922	SOUTHERN STATES OWENSBORO COOP	5.2	20.1	21.0	102
8423	SOUTHERN STATES HARDIN COOP	5.2	19.9	20.5	101
8465	SOUTHERN STATES SIMPSON COOP	5.2	19.5*	20.5	100
8635	MEADE FARMERS SUPPLY	5.1	20.0	20.0	100
8691	FARMERS SERVICE TOMPKINSVILLE	5.1	20.1	20.1	101
8901	SOUTHERN STATES SIMPSON COOP	5.2	19.8	20.9	101
9216	SOUTHERN STATES CYNTHIANA COOP	5.4	20.1	20.2	102
9265	SOUTHERN STATES MAYSVILLE COOP	5.2	19.6	20.7	101
9293	SOUTHERN STATES CAMPBELL COOP	5.1	20.0	21.0	102
9480	SOUTHERN STATES MAYSVILLE COOP	5.3	19.6*	20.8	101
9493	FALMOUTH FARM SUPPLY	5.1	20.3	20.7	102
9827	ADAIR FARMERS SERVICE	5.0	20.3	20.1	101
<i>6 6 18S</i>					
6235	SOUTHERN STATES FRANKFORT COOP	6.4	6.8	17.9	106
6285	SOUTHERN STATES GEORGETOWN COOP	6.3	5.9	18.1	102
6343	ANDERSON COUNTY FARM SUPPLY	5.9	6.6	18.0	102
6402	CARROLL COUNTY FARM BUREAU COOP	6.1	6.2	18.4	102
6450	JACK WRIGHT	6.4	7.9	17.8	110
6595	SOUTHERN STATES HARRODSBURG COOP	6.0	6.4	18.0	102
6615	ANDERSON COUNTY FARM SUPPLY	6.1	6.7	17.6*	103
6756	SOUTHERN STATES GEORGETOWN COOP	5.9	6.3	18.2	101
7095	TEATER & CASSITY	6.0	6.1	18.1	102
7115	RICHMOND FARM SERVICE	5.9	6.3	17.9	100
7190	TEATER & CASSITY	6.0	6.4	18.0	102
9186	BOURBON FARM SERVICE	5.9	6.2	18.5	101
9231	SOUTHERN STATES LEXINGTON COOP	6.1	6.2	18.1	102
9461	BOURBON FARM SERVICE	6.0	6.5	18.0	102
9464	SOUTHERN STATES CLARK COOP	6.0	6.5	18.1	102
<i>6 8 6S</i>					
5584	NEELS FARM STORE	6.1	8.4	6.1	103
5681	C S MCCULLY	6.0	8.6	6.4	104
5751	HANCOCK COUNTY FARM SUPPLY	5.9	8.0	6.2	100
5793	SOUTHERN STATES HENDERSON COOP	6.1	8.6	6.5	105
6281	SOUTHERN STATES SHELBYVILLE COOP	6.3	8.1	6.3	104
6303	SOUTHERN STATES OWENTON COOP	6.2	7.9	6.1	101
6365	SOUTHERN STATES LEBANON COOP	6.1	8.0	6.3	102
6403	CARROLL COUNTY FARM BUREAU COOP	5.5*	9.9	6.4 (1)	107
6463	BATES FARM SUPPLY	6.1	7.9	6.2	101
6541	SOUTHERN STATES FRANKFORT COOP	6.2	8.1	7.3	105
6682	CASEY A SHEETS	6.1	8.2	6.4	103
6766	SOUTHERN STATES FRANKFORT COOP	6.0	8.5	6.3	103
6778	ANDERSON COUNTY FARM SERVICE	6.0	8.2	6.2	102
6803	SOUTHERN STATES HARRODSBURG COOP	6.0	8.4	6.5	103
7080	SOUTHERN STATES SOMERSET COOP	6.1	8.9	6.0	105
7096	TEATER & CASSITY	5.9	8.0	6.2	100
7105	ROCKCASTLE FARM SERVICE	5.9	8.1	6.0	100
8466	SOUTHERN STATES SIMPSON COOP	5.8	9.1	6.1	104
8514	SOUTHERN STATES GLASGOW COOP	5.9	8.7	7.1 (2)	106
8541	FARMERS SERVICE HARDINSBURG	6.0	8.6	7.0 (3)	106
8743	ADAIR FARMERS SERVICE	6.0	8.2	7.1 (4)	104
8841	SOUTHERN STATES HARDIN COOP	6.0	8.7	5.9	103
9130	CAMARGO FARMERS SUPPLY	5.9	8.2	5.9	100
9139	AMBURGEYS FARM SUPPLY	6.0	8.0	6.6	102
9236	ROWAN FARMERS SUPPLY	6.2	7.9	6.2	102
9269	STANTON FARMERS SUPPLY	6.0	7.4*	6.1	97*
9322	FARMERS SUPPLY COMPANY PAINTSVILLE	6.0	7.5*	6.1	98*

(1) EXCESS MURIATE EQUIVALENT TO 0.3%

(2) EXCESS MURIATE EQUIVALENT TO 0.7%

(3) EXCESS MURIATE EQUIVALENT TO 0.4%

(4) EXCESS MURIATE EQUIVALENT TO 0.3%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
	6 12 12M				
5546	SOUTHERN STATES MADISONVILLE COOP	6.1	11.3*	12.2	98*
5589	SOUTHERN STATES MORGANFIELD COOP	5.9	12.0	12.2	100
5650	CALLOWAY CO SOIL IMPROVEMENT ASSN	6.2	11.7	12.1	100
5752	HANCOCK COUNTY FARM SUPPLY	6.0	12.0	12.1	100
5820	SOUTHERN STATES CRITTENDEN COOP	6.1	12.0	12.4	101
6250	SOUTHERN STATES LEBANON COOP	6.5	11.9	12.5	103
6282	SOUTHERN STATES SHELBYVILLE COOP	6.4	11.5*	12.4	101
6387	WASHINGTON FARM SERVICE	6.1	11.7	12.6	101
6533	SOUTHERN STATES BARDSTOWN COOP	6.0	12.3	12.5	102
6575	SOUTHERN STATES BOYLE COOP	6.0	12.0	12.6	101
6616	ANDERSON COUNTY FARM SUPPLY	6.1	11.6*	12.5	100
6627	SOUTHERN STATES LAGRANGE COOP	6.3	12.2	12.6	104
6662	SOUTHERN STATES LOUISVILLE COOP	6.1	12.1	12.2	101
7078	SOUTHERN STATES SOMERSET COOP	6.3	11.9	12.5	102
7104	LINCOLN FARM SERVICE	5.9	11.1*	12.8	98*
7124	HARRISON FARM SUPPLY	6.1	11.5*	12.1	99
7149	FARM & HOME SUPPLY IRVINE	6.0	12.0	12.6	101
7156	DEATON BROTHERS	6.0	12.0	12.1	100
7265	PERRY COUNTY FARM SUPPLY	6.0	11.2*	13.0	99
8411	MAJORS FARM STORE	6.1	11.4*	12.2	99
8435	SOUTHERN STATES RUSSELLVILLE COOP	6.1	11.9	12.8	102
8646	STINSON FARM STORE	6.2	12.0	12.7	102
8689	FARMERS SERVICE TOMPKINSVILLE	6.3	12.0	12.5	103
8983	SOUTHERN STATES RUSSELLVILLE COOP	6.2	12.0	12.4	102
9132	CAMARGO FARMERS SUPPLY	6.2	11.6*	12.4	100
9235	ROWAN FARMERS SUPPLY	6.2	11.5*	12.5	100
9267	SOUTHERN STATES MAYSVILLE COOP	6.2	11.8	12.6	101
9289	SOUTHERN STATES CAMPBELL COOP	6.1	11.9	12.5	101
9317	FARM & HOME STORE PRESTONSBURG	6.0	11.9	12.2	100
9381	SOUTHERN STATES ASHLAND COOP	6.0	11.7	12.6	100
9469	SOUTHERN STATES CARLISLE COOP	5.9	11.3*	12.6	98*
9489	SOUTHERN STATES LEXINGTON COOP	6.0	11.5*	12.1	98*
	6 12 12M WITH 00.40 HEPTACHLOR <sup>(1)</sup>				
9806	FARMERS SERVICE TOMPKINSVILLE	6.2	12.1	12.4	102
	10 10 10M				
5547	SOUTHERN STATES MADISONVILLE COOP	10.0	9.9	10.6	101
5753	HANCOCK COUNTY FARM SUPPLY	10.0	11.2	10.2	104
5779	HICKORY BILLS FARM STORE	10.5	10.5	10.3	105
5887	PRINCETON FARM SERVICE	10.4	10.6	10.5	105
6254	SOUTHERN STATES HARRODSBURG COOP	11.0	10.0	10.9	107
6439	SOUTHERN STATES LOUISVILLE COOP	10.9	10.1	10.3	105
6455	SOUTHERN STATES OWENTON COOP	10.3	10.1	11.5	104
6576	SOUTHERN STATES BOYLE COOP	10.0	10.6	10.5	103
6604	IRA BEST	10.5	10.4	10.5	105
7069	REXROAT SUPPLY COMPANY	10.0	11.0	10.2	104
7191	TEATER & CASSITY	10.6	10.2	11.0	105
7208	FARMERS SUPPLY & PRODUCE MONTICELLO	10.3	10.2	10.6	103
7221	RICHMOND FARM SERVICE	10.0	10.6	10.1	102
7228	HARLAN FARMERS SUPPLY	10.0	10.7	10.2	103
8410	MAJORS FARM STORE	10.8	10.0	10.5	105
8486	FARMERS EXCHANGE COMPANY BURKESVILLE	10.3	9.9	10.6	102
8636	MEADE FARMERS SERVICE	10.0	10.6	11.2	104
8692	FARMERS SERVICE TOMPKINSVILLE	10.4	10.1	10.2	103
8819	FARMERS SUPPLY MORGANTOWN	10.6	10.5	10.0	105
8956	SOUTHERN STATES HOPKINSVILLE COOP	10.3	10.3	10.4	103
9133	CAMARGO FARMERS SUPPLY	9.9	9.9	10.5	100
9217	SOUTHERN STATES CYNTHIANA COOP	10.3	11.0	11.0	107
9232	SOUTHERN STATES LEXINGTON COOP	10.4	10.5	11.0	105
9287	SOUTHERN STATES CAMPBELL COOP	10.5	10.2	10.6	104
9316	FARM & HOME STORE PRESTONSBURG	10.5	10.0	10.3	103
	10 10 10M WITH 00.40 HEPTACHLOR				
9805	FARMERS SERVICE TOMPKINSVILLE <sup>(2)</sup>	10.3	10.5	10.1	103
	10 20 20M				
7229	HARLAN FARMERS SUPPLY	10.0	20.9	20.2	102
	10 30 20M				
5754	HANCOCK COUNTY FARM SUPPLY	9.7	29.6	21.0	99
6258	SOUTHERN STATES BOYLE COOP	10.2	30.1	20.6	101
6819	SOUTHERN STATES BARDSTOWN COOP	10.0	29.2*	21.7	100
7082	SOUTHERN STATES SOMERSET COOP	10.0	31.5	18.1*	101
7094	SOUTHERN STATES SOMERSET COOP	9.9	29.5	20.7	99
7134	FARMERS SUPPLY & PRODUCE MONTICELLO	10.0	29.4*	21.0	101

(1) ALDRIN GUARANTEED 0.40%---FOUND 0.35%

(2) ALDRIN GUARANTEED 0.40%---FOUND 0.30%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
10 30 20M CONTINUED					
7202	WHITLEY COUNTY FARM SUPPLY	9.6*	29.1*	22.0	99
7207	FARMERS SUPPLY & PRODUCE MONTICELLO	10.4	30.0	20.8	102
7267	REXROAT SUPPLY COMPANY	10.3	30.0	20.7	101
7295	CASEY COUNTY FARM SUPPLY	10.1	31.1	21.0	103
7903	NEELS FARM STORE	9.9	28.8*	21.0	98*
8485	FARMERS EXCHANGE COMPANY BURKESVILLE	9.9	30.7	19.7	101
8540	FARMERS SERVICE HARDINSBURG	9.8	29.5*	21.2	100
8682	METCALFE COUNTY FARMERS SUPPLY	10.1	29.2*	20.2	99
8693	FARMERS SERVICE TOMPKINSVILLE	10.1	29.9	21.0	101
8800	MAJORS FARM STORE	10.8	30.5	19.8	103
8818	FARMERS SUPPLY MORGANTOWN	10.2	29.5	20.4	100
8853	STINSON FARM SUPPLY	10.3	30.0	19.2*	100
8866	W C TURNER	9.9	29.2*	20.2	98*
9292	SOUTHERN STATES CAMPBELL COOP	9.9	30.0	21.1	100
9547	WOMACK BROTHERS FARM SUPPLY	9.6*	29.4*	20.0	98*
AMMONIUM NITRATE					
8957	SOUTHERN STATES HOPKINSVILLE COOP	33.4			100
SUPERPHOSPHATE					
6617	ANDERSON COUNTY FARM SUPPLY		19.9		100
6624	LOUISVILLEJEFFERSON CO CHILDREN HOME		19.9		100
6638	SOUTHERN STATES OWENTON COOP		19.6		98*
6663	SOUTHERN STATES LOUISVILLE COOP		19.5*		98*
6689	R L BAILEY & SONS		19.9		100
6852	SOUTHERN STATES OWENTON COOP		19.9		100
7920	SOUTHERN STATES OWENSBORO COOP		20.3		102
8542	FARMERS SERVICE HARDINSBURG		19.9		100
8670	WOODSON C TURNER		20.0		100
8854	STINSON FARM SUPPLY		20.1		100
9117	OWINGSVILLE FARMERS SUPPLY		20.2		101
9291	SOUTHERN STATES CAMPBELL COOP		19.6		98*
9382	SOUTHERN STATES ASHLAND COOP		19.1*		95*
46 TRIPLE SUPERPHOSPHATE					
7204	MCWHORTER BROTHERS		45.4		99
7748	WARDS SELF SERVICE FEED & SEED		44.7*		97*
SULFATE OF POTASH					
6302	SOUTHERN STATES OWENTON COOP			51.0	102
6341	ANDERSON COUNTY FARM SUPPLY			50.0	100
6903	SOUTHERN STATES GEORGETOWN COOP			50.5	101
7305	ROCKCASTLE FARM SERVICE			46.5*	93*
8671	WOODSON C TURNER			52.0	100
9264	SOUTHERN STATES MAYSVILLE COOP			51.0	102
9604	SOUTHERN STATES CARLISLE COOP			50.0	100
MURIATE OF POTASH					
5789	SOUTHERN STATES HENDERSON COOP			60.0	100
6301	SOUTHERN STATES OWENTON COOP			60.5	101
6759	SOUTHERN STATES SHELBYVILLE COOP			60.0	100
7282	SOUTHERN STATES SOMERSET COOP			60.8	101
7856	HANCOCK COUNTY FARM SUPPLY			60.0	100
8984	SOUTHERN STATES RUSSELLVILLE COOP			60.0	100
9290	SOUTHERN STATES CAMPBELL COOP			60.5	101
<u>COOP SEED &amp; FARM SUPPLY SERVICE</u>					
5 10 5M					
7923	SOUTHERN STATES OWENSBORO COOP	5.1	11.3	5.7	109
5 10 10M					
7924	SOUTHERN STATES OWENSBORO COOP	5.2	11.7	10.2	109
AMMONIUM SULFATE					
7925	SOUTHERN STATES OWENSBORO COOP	21.0			100



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958  
 (Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
 notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
 shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>DARLING &amp; COMPANY</u>					
7844	3 9 27M WEST KENTUCKY SEED COMPANY	3.2	9.6	27.2	104
5842	3 12 12M FARMERS GIN COMPANY CLINTON	4.0	12.4	13.6	112
5566	4 12 8M BARNES GROCERY	4.3	12.4	7.9	104
7758	FARMERS GIN COMPANY CLINTON	5.0	10.4*	8.2	100
7959	WINGO FEED & SUPPLY	4.4	12.0	8.0	103
7993	BALLARD COUNTY COOPERATIVE	4.9	11.2*	7.4*	101
5567	5 10 15S BARNES GROCERY	5.3	10.6	14.9	104
5616	BALLARD COUNTY COOPERATIVE	5.3	9.8	15.5	102
7820	VASSEUR TRACTOR & IMPLEMENT COMPANY	5.4	10.2	15.0	103
7836	BARDWELL MILLING COMPANY	5.2	10.0	15.5	102
5845	5 20 20M MOORE SEED & GRAIN COMPANY	5.3	18.7*	21.0	99
7703	GEORGE PATMOR & SON	5.2	19.7	18.5*	98*
7754	HUNT BROTHERS	5.1	20.1	19.1*	99
7845	WEST KENTUCKY SEED COMPANY	5.0	18.8*	20.9	98*
7951	MOORE SEED & GRAIN COMPANY	4.8	19.3*	18.9*	96*
7964	ELLIS POPCORN COMPANY	4.9	19.3*	19.6	97*
5578	6 12 12M GRAVES COUNTY SOIL ASSOCIATION	5.9	11.6*	12.7	99
5651	CALLOWAY CO SOIL IMPROVEMENT ASSN	6.0	12.5	13.2	104
5843	FARMERS GIN COMPANY CLINTON	6.0	11.7	12.5	100
5846	MOORE SEED & GRAIN COMPANY	6.2	11.5*	14.1	103
7846	WEST KENTUCKY SEED COMPANY	5.8	15.0	13.0	112
7948	WEST KENTUCKY SEED COMPANY	5.9	11.4*	13.2	99
7953	MOORE SEED & GRAIN COMPANY	5.5*	12.6	13.0	101
7768	8 24 16M FARMINGTON SWEET FEED MILL	8.1	21.6*	16.0	95*
5568	10 10 10M BARNES GROCERY	9.4*	10.1	11.8	102
5844	FARMERS GIN COMPANY CLINTON	9.4*	10.2	12.1	101
5847	MOORE SEED & GRAIN COMPANY	9.2*	10.7	10.9	100
7837	BARDWELL MILLING COMPANY	9.2*	10.1	11.7	99
7847	WEST KENTUCKY SEED COMPANY	9.4*	10.9	11.2	102
7952	MOORE SEED & GRAIN COMPANY	9.5*	10.4	10.0	99
5848	12 12 12M MOORE SEED & GRAIN COMPANY	12.0	12.3	13.0	102
7819	VASSEUR TRACTOR & IMPLEMENT COMPANY	11.3*	12.5	12.5	99
5571	MURIATE OF POTASH T C EDWARDS			61.2	102
7838	BARDWELL MILLING COMPANY			60.0	100
<u>DAVISON CHEMICAL CORPORATION</u>					
5603	0 20 20M DAVISON CHEMICAL CO WHSE OWENSBORO		19.4*	20.4	99
5968	JARVIS SWEET FEED MILL		21.1	18.3*	101
5988	FARMERS COOPERATIVE MADISONVILLE		20.0	20.0	100
7764	GALLOWAY SEED COMPANY		19.2*	20.2	99
8928	ALLEN COUNTY FARMERS SERVICE		19.1*	20.0	97*
9246	ELWOOD LOGAN		19.9	20.6	101

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
8888	0 20 20M WITH 3 LBS BORAX PER 100 SIMPSON COUNTY SEED COMPANY <sup>(1)</sup>		19.9	20.9	101
5969	0 20 20M WITH 5 LBS BORAX PER 100 <sup>(2)</sup> JARVIS SWEET FEED MILL		15.8*	16.9*	81*
6418	0 25 25M ASHBOURNE FARMS		25.0	27.2	103
6883	PREMIUM SEED COMPANY		27.5	23.0*	104
6451	0 25 25M WITH 5 LBS BORAX PER 100 <sup>(3)</sup> ALTON WARFORD		23.2*	24.5	95*
6549	J W DOTSON		27.8	19.5*	100
6633	RICHARD CHAPPEL		22.1*	25.1	92*
7318	HUGHES & TINCHER		23.0*	24.3*	94*
5989	2 12 6M FARMERS COOPERATIVE MADISONVILLE	2.3	11.9	6.3	103
8434	R D REYNOLDS	2.1	11.3*	6.1	97*
8587	SIMPSON COUNTY SEED COMPANY	2.2	11.3*	6.3	99
8654	3 9 6M DURHAM HARDWARE	2.7*	9.3	6.1	99
8729	FARMERS SUPPLY GLASGOW	3.0	9.0	6.2	101
8883	YOUNG SEED COMPANY	2.7*	9.5	6.1	101
5532	3 12 12M HENDERSON FEED & COMMISSION COMPANY	4.3	13.0	12.4	114
5585	WABASH ELEVATOR COMPANY	3.1	13.1	11.4*	104
5604	DAVISON CHEMICAL CO WHSE OWENSBORO	4.3	15.1	15.0	129
5630	FARMERS COOPERATIVE MADISONVILLE	3.0	11.7	12.1	99
5965	BARNEY MACKAY	2.9	12.8	12.7	104
5974	JARVIS SWEET FEED MILL	3.0	12.0	12.0	100
6268	FARMERS SUPPLY CENTER CRESTWOOD	3.3	12.1	12.5	104
6536	CLIMAX ROLLER MILLS	3.6	12.2	13.0	107
6647	BUECHEL COAL & FEED COMPANY	3.9	12.5	13.2	111
6811	JEWELL & HAYDON HARDWARE	3.2	13.3	12.6	108
6860	SELLERS HARDWARE	3.0	12.3	12.6	103
7142	TARTERS FEED MILL	4.5	16.5	13.6	134
7147	MT VERNON PRODUCE COMPANY	4.0	13.4	15.3	120
8515	FARMERS SUPPLY COMPANY GLASGOW	2.9	11.2*	12.4	97*
8589	R E DILLARD	3.1	11.5*	12.2	99
8823	MORGANTOWN MILLING COMPANY	3.7	13.4	13.2	114
8872	I K MILLER & SON	3.0	12.7	10.3*	99
8890	SIMPSON COUNTY SEED COMPANY	3.0	11.8	12.0	99
9245	ELWOOD LOGAN	3.2	12.5	11.7	101
9488	C S BRENT SEED COMPANY	3.9	12.3	12.6	109
5605	4 12 8M DAVISON CHEMICAL CO WHSE OWENSBORO	5.3	10.9*	10.6	110
5626	MAXWELL FEED STORE	3.7*	11.6*	8.2	97*
5631	FARMERS COOPERATIVE MADISONVILLE	3.7*	11.7	8.3	97*
5861	MARSHALL CO SOIL IMPROVEMENT ASSN	4.1	12.2	8.1	102
5873	ELDRED HARDWARE COMPANY	3.7*	11.3*	8.1	95*
5925	J L DANIEL FEED STORE	3.7*	11.5*	8.8	98*
6270	HANCOCKS FEED STORE	4.6	10.7*	10.8	105
6632	RICHARD CHAPPEL	3.8	12.8	8.8	104
6822	J H LYON & SONS	4.5	12.4	9.5	109
7140	TARTERS FEED MILL	5.0	12.4	11.5	117
7145	MT VERNON PRODUCE COMPANY	5.8	11.5*	10.5	116
7871	BARNEY MACKAY	4.0	12.9	10.6	110
8433	R D REYNOLDS	3.9	12.4	8.0	101
8482	ADAIR MILLING COMPANY	3.8	11.4*	9.0	98*
8510	JOHNSON & HARRISON	3.7*	12.0	8.8	100
8565	CANEYVILLE ROLLER MILLS	4.0	11.7	11.7	107
8655	DURHAM HARDWARE	4.6	12.2	9.9	109
8801	HAYS FEED MILL	3.7*	11.6*	8.9	98*
8811	THOMERSON MILLING COMPANY	3.8	11.8	8.5	99
8914	JOHNSON & ASHBY HARDWARE COMPANY	3.6*	11.6*	8.1	98*
7765	4 12 8S GALLOWAY SEED COMPANY	3.6*	12.1	9.7 (4)	101

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76

(3) SEE BORON TABLE PAGE 76

(4) EXCESS MURIATE EQUIVALENT TO 0.8%



TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>DAVISON CHEMICAL CORP CONTINUED</b>					
<b>4 16 16M</b>					
5826	LAND O NAN WAREHOUSE	3.9	16.1	13.7*	96*
5970	JARVIS SWEET FEED MILL	4.3	16.0	15.8	101
6853	CRESTWOOD FARMERS SUPPLY COMPANY	3.4*	16.0	16.5	98*
7766	GALLOWAY SEED COMPANY	4.2	14.6*	16.0	96*
<b>5 10 10M</b>					
5682	BENNETT FARM SUPPLY	5.1	10.5	11.3	106
5971	JARVIS SWEET FEED MILL	4.7*	10.2	10.1	99
8447	ALLEN COUNTY FARMERS SERVICE	4.7*	10.4	9.1*	98*
8728	FARMERS SUPPLY COMPANY GLASGOW	4.3*	9.7	8.5*	91*
8814	FARMERS SUPPLY COMPANY GLASGOW	4.9	10.3	10.4	102
9247	ELWOOD LOGAN	4.7*	10.1	10.2	99
<b>5 10 15S</b>					
5606	DAVISON CHEMICAL CO WHSE OWENSBORO	4.8	9.4*	16.6 (1)	100
5624	CAMPBELLS MILL	5.3	9.5*	14.5*	99
5632	FARMERS COOPERATIVE MADISONVILLE	5.1	9.4*	15.2	99
5683	BENNETT FARM SUPPLY	5.0	10.0	12.3*(2)	95*
5874	ELDRED HARDWARE COMPANY	4.4*	9.9	14.6*	95*
6247	JEWELL & HAYDEN HARDWARE	5.1	10.9	14.3*(3)	103
6266	FARMERS SUPPLY CENTER CRESTWOOD	6.0	13.0	20.5 (4)	129
6283	CLIMAX ROLLER MILLS	5.5	10.3	15.7 (5)	106
6289	DUNCANS FARM SERVICE	4.5*	9.4*	17.8 (6)	100
6299	GENTRY MCCAULEY	5.0	10.0	15.4 (7)	101
6330	DILLARD STANLEY	4.8	9.9	15.5 (8)	99
6417	FARMERS SUPPLY CENTER CRESTWOOD	6.0	10.3	17.1 (9)	111
6452	ALTON WARFORD	4.6*	9.8	16.5 (10)	100
6684	H T QUIRE	5.4	10.9	15.0	106
6722	WILLIAM H SMITH	5.0	10.4	15.6 (11)	103
6733	P H MITCHELL	5.4	10.5	15.3 (12)	105
6753	MORGAN & CRENSHAW	4.9	10.4	15.0 (13)	101
6775	FRANKLIN COUNTY A C A OFFICE	5.2	10.1	15.2	104
7141	TARTERS FEED MILL	5.5	10.5	15.7	106
7148	MT VERNON PRODUCE COMPANY	5.8	10.2	15.4	106
7271	STOCKTON BROTHERS	4.9	9.8	15.6	100
7317	HUGHES & TINCHER	5.1	10.7	15.0 (14)	103
7872	BARNEY MACKAY	5.0	11.4	14.6*	105
8432	R D REYNOLDS	5.0	9.4*	15.0	98*
8537	SHIPP SEED HOUSE	5.6	10.3	15.6	106
8572	ALLEN COUNTY FARMERS SERVICE	5.1	10.0	15.8 (15)	102
8588	R E DILLARD	4.5*	10.1	14.6*	97*
8653	DURHAM HARDWARE	5.4	10.4	15.7 (16)	105
8802	HAYS FEED MILL	4.6*	9.9	14.5*	96*
8810	THOMERSON MILLING COMPANY	4.9	9.4*	16.8	101
9248	ELWOOD LOGAN	4.9	10.5	12.6*(17)	97*
9485	C S BRENT SEED COMPANY	5.0	10.0	15.2	100
9845	JOE SHELLY FEED COMPANY	4.4*	11.9	14.1*	102
<b>5 10 15S WITH 00.50 ALDRIN</b>					
6551	J W DOTSON (18)	5.3	10.8	16.1	107
6741	J W DOTSON (19)	5.8	10.4	16.8	110

(1) EXCESS MURIATE EQUIVALENT TO 1.3%

(2) EXCESS MURIATE EQUIVALENT TO 2.8%

(3) EXCESS MURIATE EQUIVALENT TO 1.1%

(4) EXCESS MURIATE EQUIVALENT TO 6.0%

(5) EXCESS MURIATE EQUIVALENT TO 1.4%

(6) EXCESS MURIATE EQUIVALENT TO 0.8%

(7) EXCESS MURIATE EQUIVALENT TO 1.0%

(8) EXCESS MURIATE EQUIVALENT TO 1.2%

(9) EXCESS MURIATE EQUIVALENT TO 3.7%

(10) EXCESS MURIATE EQUIVALENT TO 1.2%

(11) EXCESS MURIATE EQUIVALENT TO 1.8%

(12) EXCESS MURIATE EQUIVALENT TO 0.5%

(13) EXCESS MURIATE EQUIVALENT TO 1.1%

(14) EXCESS MURIATE EQUIVALENT TO 0.5%

(15) EXCESS MURIATE EQUIVALENT TO 1.0%

(16) EXCESS MURIATE EQUIVALENT TO 0.4%

(17) EXCESS MURIATE EQUIVALENT TO 0.5%

(18) ALDRIN GUARANTEED 0.50%---FOUND 0.23%

(19) ALDRIN GUARANTEED 0.50%---FOUND 0.46%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
5 20 20M					
5586	WABASH ELEVATOR COMPANY	4.7*	20.5	19.9	100
5633	FARMERS COOPERATIVE MADISONVILLE	5.0	21.1	17.6*	100
5784	CRAFTON & DUNCAN	5.0	18.3*	18.7*	94*
5983	SLAUGHTERS MERCANTILE COMPANY	5.0	19.4*	19.4*	98*
6511	SMITH CARRICO	5.0	19.1*	20.7	99
6686	L V SAMPLES	4.7*	20.2	20.0	99
6688	BAGDAD ROLLER MILLS	4.7*	21.8	18.3*	101
6734	P H MITCHELL	5.1	18.7*	19.0*	96*
6786	FRANK HOSTETTER	4.9	19.9	19.0*	98*
7941	CARL CURRY	4.9	20.4	19.4*	100
7974	HENDERSON FEED & COMMISSION COMPANY	5.0	21.6	18.2*	102
8546	CLARKSON FEED STORE	5.0	19.1*	20.0	98*
8573	ALLEN COUNTY FARMERS SERVICE	5.3	19.0*	20.0	99
8574	ALLEN COUNTY FARMERS SERVICE	5.0	20.3	16.9*	97*
8727	FARMERS SUPPLY COMPANY GLASGOW	5.1	21.0	16.3*	98*
8813	FARMERS SUPPLY COMPANY GLASGOW	5.0	18.1*	20.8	96*
8876	SHIPP SEED HOUSE	5.0	20.4	19.0*	98*
8886	SIMPSON COUNTY SEED COMPANY	4.6*	18.0*	20.2	93*
8929	ALLEN COUNTY FARMERS SERVICE	5.0	20.0	18.0*	97*
8996	FARMERS SUPPLY COMPANY GLASGOW	5.0	18.5*	20.1	96*
9886	SIMPSON COUNTY SEED COMPANY	5.1	18.3*	20.0	96*
9889	ALLEN COUNTY FARMERS SERVICE	5.2	18.7*	17.8*	94*
6 6 18S					
6902	MORGAN & CRENSHAW	5.6*	7.4	18.2	104
9484	C S BRENT SEED COMPANY	5.7*	6.9	18.0 (1)	102
6 8 6M					
5534	HENDERSON FEED & COMMISSION COMPANY	5.7*	9.5	8.0	110
5625	CAMPBELLS MILL	5.3*	8.2	6.2	96*
5684	BENNETT FARM SUPPLY	5.4*	9.4	6.5	104
5966	BARNEY MACKAY	5.1*	9.5	10.4	112
5972	JARVIS SWEET FEED MILL	5.5*	8.2	6.0	97*
6298	GENTRY MCCAULEY	6.0	10.4	10.0	122
6434	CORBETTS FEED STORE	6.0	8.5	9.7	112
6653	JONES HARDWARE COMPANY	6.1	8.7	8.3	110
6672	HALL SEED COMPANY	5.9	8.8	8.4	109
6754	MORGAN & CRENSHAW	5.7*	9.0	9.1	111
6868	BUECHEL COAL & FEED COMPANY	5.2*	9.3	8.6	107
7296	TARTER FEED MILL	5.8	9.3	7.8	110
7704	GEORGE PATMOR & SON	5.5*	8.1	6.0	97*
7927	HENDERSON FEED & COMMISSION COMPANY	4.7*	8.4	6.8	94*
8822	MORGANTOWN MILLING COMPANY	5.6*	8.1	7.6	102
6 8 6S					
5875	ELDRED HARDWARE COMPANY	5.7*	8.0	6.3	99
5973	JARVIS SWEET FEED MILL	5.4*	8.3	6.9 (2)	99
8431	R D REYNOLDS	5.7*	7.9	6.2	98*
8860	DURHAM HARDWARE	5.4*	8.2	6.5 (3)	98*
6 12 12M					
5595	FELTY PRODUCE COMPANY	5.7*	12.4	11.1*	98*
5607	DAVISON CHEMICAL CO WHSE OWENSBORO	5.8	12.2	11.1*	98*
5627	MAXWELL FEED STORE	5.8	12.1	12.0	99
5714	LAND O NAN WAREHOUSE	5.6*	12.0	12.0	98*
5849	MOORE SEED & GRAIN COMPANY	6.3	11.8	12.5	102
8446	ALLEN COUNTY FARMERS SERVICE	5.9	12.0	11.9	99
8584	SIMPSON COUNTY SEED COMPANY	5.6*	11.9	12.5	98*
8889	SIMPSON COUNTY SEED COMPANY	5.7*	12.0	12.4	99
6 12 12M WITH 00.50 HEPTACHLOR					
5827	LAND O NAN WAREHOUSE (4)	5.6*	11.8	12.4	98*
8 24 16M					
5628	MAXWELL FEED STORE	7.7*	22.9*	15.4*	96*
7767	GALLOWAY SEED COMPANY	7.6*	24.1	15.6*	98*
8679	SHIPP SEED HOUSE	7.4*	23.0*	16.5	96*
8859	DURHAM HARDWARE	8.0	21.9*	16.1	95*
8885	SIMPSON COUNTY SEED COMPANY	8.0	22.2*	16.1	96*
9887	SIMPSON COUNTY SEED COMPANY	7.9	23.1*	15.8	97*

(1) EXCESS MURIATE EQUIVALENT TO 1.0%

(2) EXCESS MURIATE EQUIVALENT TO 1.3%

(3) EXCESS MURIATE EQUIVALENT TO 0.5%

(4) HEPTACHLOR GUARANTEED 0.50%---FOUND 0.45%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
<u>10 10 10M</u>					
5587	WABASH ELEVATOR COMPANY	10.0	9.9	10.5	101
5634	FARMERS COOPERATIVE MADISONVILLE	9.7*	9.7	11.5	100
5648	H B LENEAVE & SON	10.3	8.8*	10.8	99
5685	BENNETT FARM SUPPLY	10.0	8.9*	11.3	99
5807	FARMERS COOPERATIVE MADISONVILLE	9.8	10.3	10.1	100
5926	J L DANIEL FEED STORE	9.5*	10.4	10.1	99
6267	FARMERS SUPPLY CENTER CRESTWOOD	10.5	10.5	11.7	107
6423	FLOORES FEED STORE	10.0	11.7	13.3	111
6431	SELLERS HARDWARE COMPANY	10.1	10.3	12.1	105
6433	CORBETTS FEED STORE	10.3	11.4	13.6	112
6648	BUECHEL COAL & FEED COMPANY	10.4	10.2	10.6	104
6871	CORBETTS FEED STORE	9.2*	10.2	12.1	100
5585	SIMPSON COUNTY SEED COMPANY	9.9	10.0	10.6	101
8820	MORGANTOWN MILLING COMPANY	8.9*	11.0	11.3	100
8913	JOHNSON & ASHBY HARDWARE COMPANY	9.7	10.1	10.0	99
9486	C S BRENT SEED COMPANY	9.7	10.9	12.7	106
9844	JOE SHELLY FEED COMPANY	9.6*	10.0	11.8	101
<u>12 12 12M</u>					
5608	DAVISON CHEMICAL CO WHSE OWENSBORO	11.4*	11.7	12.5	97*
6269	HANCOCKS FEED STORE	12.5	11.3*	13.0	102
6275	FRANKS FEED STORE	9.4*	14.0	16.9	102
6430	SELLERS HARDWARE COMPANY	12.0	11.6*	12.7	100
6550	J W DOTSON	11.7	12.8	12.7	102
6649	BUECHEL COAL & FEED COMPANY	12.0	12.1	12.4	101
6687	BAGDAD ROLLER MILLS	12.3	12.1	12.1	102
6785	FRANK HOSTETTER	11.4*	12.6	12.4	100
7976	V W ALEXANDER	11.7	12.0	12.4	99
<u>15 15 15M</u>					
5850	MOORE SEED & GRAIN COMPANY	15.1	14.5*	14.1*	98*
6626	GISIGERS HARDWARE	15.0	13.4*	15.0	96*
6870	CORBETTS FEED STORE	11.8*	15.0	17.4	92*
8652	DURHAM HARDWARE	14.4*	14.9	15.0	98*
<u>SUPERPHOSPHATE</u>					
5806	FARMERS COOPERATIVE MADISONVILLE		17.7*		88*
5901	BAKERS PHOSPHATE & FERT SERVICE		19.6		98*
5967	JARVIS SWEET FEED MILL		20.7		103
6571	J H LYON & SONS		20.2		101
7998	SALEM FEED & SEED COMPANY		20.0		100
8536	SHIPP SEED HOUSE		19.3*		97*
8586	SIMPSON COUNTY SEED COMPANY		20.1		100
8651	DURHAM HARDWARE		18.2*		91*
8812	THOMERSON MILLING COMPANY		20.5		103
8821	MORGANTOWN MILLING COMPANY		16.4*		82*
8887	SIMPSON COUNTY SEED COMPANY		19.5*		98*
9487	C S BRENT SEED COMPANY		20.0		100
<u>SULFATE OF POTASH</u>					
5805	FARMERS COOPERATIVE MADISONVILLE			50.5 (1)	101
6572	J H LYON & SONS			44.9*	90*
6685	H T QUIRE			48.5*(2)	97*
6823	J H LYON & SONS			48.0*(3)	96*
<u>MURIATE OF POTASH</u>					
8547	CLARKSON FEED STORE			60.0	100
<u>E I DUPONT DE NEMOURS &amp; COMPANY</u>					
<u>UREA NUGREEN</u>					
7728	FEDERAL CHEMICAL CO WHSE HENDERSON	45.0			100

(1) EXCESS MURIATE EQUIVALENT TO 0.9%  
 (2) EXCESS MURIATE EQUIVALENT TO 1.2%  
 (3) EXCESS MURIATE EQUIVALENT TO 2.3%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958  
 (Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
 notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
 shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>E TOWN ANHYDROUS AMMONIA COMPANY</u>					
9848	9 8 7M LIQUID E TOWN ANHYDROUS AMMONIA COMPANY	7.8*	6.5*	5.6*	84*
8884	9 9 9M LIQUID E TOWN ANHYDROUS AMMONIA COMPANY	9.2	8.6*	7.3*	96*
9847	E TOWN ANHYDROUS AMMONIA COMPANY	7.6*	11.8	6.0*	97*
9893	E TOWN ANHYDROUS AMMONIA COMPANY	9.9	9.7	8.4*	106
<u>E TOWN FERTILIZER COMPANY</u>					
8837	2 12 6M E TOWN FERTILIZER COMPANY	2.5	11.6*	6.8	104
8835	3 12 12M E TOWN FERTILIZER COMPANY	3.5	11.5*	12.2	102
8712	4 12 8M H D JONES	4.6	11.9	8.5	105
8834	4 16 16M E TOWN FERTILIZER COMPANY	4.5	15.6*	16.7	102
8709	5 10 10M H D JONES	5.5	10.0	10.0	103
8539	5 10 15S E TOWN FERTILIZER COMPANY	5.6	10.0	14.7	103
8711	H D JONES	5.3	10.3	15.2	103
8839	E TOWN FERTILIZER COMPANY	5.6	10.2	15.4	105
8710	5 20 20M H D JONES	5.0	19.5*	20.7	100
8838	E TOWN FERTILIZER COMPANY	5.6	18.2*	21.2	99
9849	E TOWN FERTILIZER COMPANY	5.5	20.5	18.6*	101
8633	6 8 6S CANN BROTHERS	7.0	8.2	5.8	108
8836	10 10 10M E TOWN FERTILIZER COMPANY	10.4	10.0	10.9	104
<u>FARMERS FERTILIZER COMPANY</u>					
8783	3 9 6M SOUTHERN STATES BOWLING GREEN COOP	3.2	7.6*	6.5	95*
8833	4 12 8M FARMERS FERTILIZER COMPANY	4.2	11.2*	7.4*	96*
8938	FARMERS FERTILIZER COMPANY	4.0	11.0*	8.1	96*
8936	4 12 12M WITH 5 LBS BORAX PER 100 <sup>(1)</sup> W B JONES	4.3	11.7	15.0	107
8817	4 18 0 CHAS WHITTLE JR	4.5	17.7		102

(1) SEE BORON TABLE PAGE 76



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
8832	5 10 10M FARMERS FERTILIZER COMPANY	3.6*	13.8	9.7	107
8940	CHARLIE BAIRD	5.0	9.9	10.1	100
8937	5 10 15S LEROY COLLIER	4.9	10.0	15.0	99
8939	BYRON R HENDRICK	4.9	10.3	15.7	102
9890	FARMERS FERTILIZER COMPANY	5.0	9.4*	15.5	99
8891	12 12 12M SIMPSON COUNTY SEED COMPANY	12.0	12.5	12.2	102
8784	SULFATE OF POTASH SOUTHERN STATES BOWLING GREEN COOP			51.0	102
<u>FEDERAL CHEMICAL COMPANY</u>					
7322	0 9 27M WITH 5 LBS BORAX PER 100 <sup>(1)</sup> DUNNINGTON MILLING COMPANY		9.6	24.5*	97*
8612	ARVIN MCCAIN		9.0	27.2	100
8761	WARREN ELEVATORS		8.4*	26.8	97*
9605	FEDERAL CHEMICAL CO WHSE LEXINGTON		9.9	28.0	106
7729	0 10 30M FEDERAL CHEMICAL CO WHSE HENDERSON		9.7	30.0	99
8624	0 20 10M WARREN ELEVATORS		16.7*	10.8	88*
8760	WARREN ELEVATORS		10.2*	27.8	96*
8953	WARREN ELEVATORS		20.0	19.9	120
5726	0 20 20M EARL WARDS MILL		18.4*	19.0*	93*
7740	FEDERAL CHEMICAL CO WHSE HENDERSON		18.3*	20.1	95*
7742	FEDERAL CHEMICAL CO WHSE HENDERSON		20.5	22.0	105
7980	YOUNGBLOOD BROTHERS		19.6*	20.1	99
8622	WARREN ELEVATORS		20.1	20.4	101
8736	W H ROSE		19.1*	19.0*	95*
8918	SHAKER FEED & SEED		20.4	20.0	101
9876	FEDERAL CHEMICAL CO HOPKINSVILLE		19.4*	20.2	98*
8000	0 20 20M WITH 4 LBS BORAX PER 100 <sup>(2)</sup> SALEM FEED & SEED COMPANY		17.5*	20.0	92*
8716	H D JONES		19.2*	19.1*	96*
5688	2 12 6M W C BROOKS	2.3	11.7	6.2	101
7701	SALEM FEED & SEED COMPANY	3.4	11.2*	6.4	108
5884	3 9 6M KUTTAWA FEED & SEED COMPANY	3.6	8.9	6.8	107
6821	THE BIG STORE	3.1	11.0	8.9	122
6882	PREMIUM SEED COMPANY	3.4	9.6	7.5	112
7801	G TAPP	3.1	8.5*	6.3	99
8519	THOMERSON MILLING COMPANY	3.9	9.4	8.8	119
8687	MONROE FEED & FARM SUPPLY	3.3	9.0	8.1	109
9172	FEDERAL CHEMICAL CO WHSE LEXINGTON	2.8	9.1	5.6*	98*
9504	FLORENCE FEED STORE	3.3	9.1	7.5	108
9519	FAULKNERS SUPERMARKET	3.3	9.1	7.4	108
9521	BIG SANDY WHOLESALE COMPANY	3.0	9.2	7.0	104
9540	H T SPARKS	3.4	9.0	7.2	107
5530	3 9 18M FEDERAL CHEMICAL CO WHSE HENDERSON	3.1	11.1	18.5	111

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>FEDERAL CHEMICAL COMPANY CONTINUED</b>					
<b>3 9 27M</b>					
6323	LYNN FLOOD FEED STORE	3.5	10.4	23.1*	101
7730	FEDERAL CHEMICAL CO WHSE HENDERSON	3.4	9.9	23.9*	100
<b>3 12 6M</b>					
5689	W C BROOKS	5.5	11.0*	8.1	119
8571	BOBBY COX GROCERY	3.5	11.2*	7.1	103
8702	JOHNSON & HARRISON	3.4	11.4*	6.6	102
<b>3 12 12M</b>					
5535	RUARK TRUCK LINES	3.1	12.2	12.2	102
5558	BOWLES MILL	2.8	11.5*	11.8	96*
5596	WYNDALLS FARM STORE	3.3	11.5*	11.9	100
5690	W C BROOKS	3.2	11.9	12.1	101
5916	RUARK TRUCK LINES	2.9	12.1	12.2	100
5941	WARREN SEED COMPANY	4.0	11.2*	13.2	106
5975	TRUMAN AHERTONS GROCERY	3.3	11.5*	11.8	99
6313	BENSON VALLEY MILLING COMPANY	4.1	12.7	12.5	112
6324	LYNN FLOOD FEED STORE	3.8	11.2*	14.8	108
6357	VICTOR E FISTER	3.5	11.9	12.2	103
6643	BENSON VALLEY MILLING COMPANY	3.1	12.2	12.1	102
6820	THE BIG STORE	3.9	11.8	11.8	105
7182	BRAD REYNOLDS	3.3	11.9	12.5	103
7848	YOUNG FEED & GRAIN COMPANY	3.6	11.1*	12.7	102
8500	MONROE FEED & FARM SUPPLY	2.9	11.8	11.7	98*
8688	MONROE FEED & FARM SUPPLY	4.4	12.3	13.2	113
9558	ELWOOD LOGAN	3.2	10.9*	12.0	96*
9610	FEDERAL CHEMICAL CO WHSE LEXINGTON	3.3	12.4	12.2	104
<b>4 12 4M</b>					
7144	TRIPLETTS STORE	4.1	10.8*	5.0	97*
<b>4 12 8M</b>					
5553	BROOKS SERVICE STATION	4.2	11.7	8.1	100
5559	BOWLES MILL	4.1	11.0*	8.1	96*
5569	BARNES GROCERY	4.3	11.8	7.9	101
5597	WYNDALLS FARM STORE	3.9	11.6*	10.6	103
5599	WYNDALLS FARM STORE	4.1	11.1*	9.0	99
5629	GREENES FEED STORE	4.3	11.8	8.7	103
5660	MELTON GROCERY COMPANY	4.1	12.0	8.0	101
5662	YOUNGBLOOD BROTHERS	4.3	12.0	7.6*	101
5691	W C BROOKS	4.1	12.0	8.5	102
5727	EARL WARDS MILL	4.4	12.1	8.1	103
5888	PRINCETON FARM SERVICE	4.6	11.2*	8.4	101
5950	CORES STORE	4.0	12.0	8.1	100
5955	MOBILE FEED SERVICE	4.8	11.6*	9.0	106
6239	CARTERS SUPPLY COMPANY	5.4	11.5*	10.2	112
6242	LYNN FLOOD	4.4	12.2	7.9	103
6307	BUFORD MARTIN	4.4	11.4*	8.3	101
6312	BENSON VALLEY MILLING COMPANY	4.2	12.3	8.7	104
6500	VERONA GARAGE	4.3	11.7	10.2	106
6675	ALBERT YATES & SON	4.0	12.0	8.4	101
6700	WILLIAM G WILLIS	4.2	12.0	8.4	102
7743	FEDERAL CHEMICAL CO WHSE HENDERSON	3.9	12.1	8.5	101
8396	U L ROGERS & SON	4.5	11.5*	9.3	104
8402	ARVIN MCCAIN	4.3	11.3*	8.2	99
8414	GABBARD FEED MARKET	4.1	11.3*	7.9	97*
8420	UPTON SWEET FEED MILL	4.1	11.4*	8.5	99
8468	J W EDWARDS & SON	4.3	11.6*	8.5	101
8499	MONROE FEED & FARM SUPPLY	4.4	11.9	9.0	105
8518	THOMERSON MILLING COMPANY	4.2	11.3*	8.5	99
8544	A RAY DYER	4.0	12.0	8.7	102
8675	TAYLOR COUNTY FEED COMPANY	4.0	11.5*	8.9	100
8920	SHAKER FEED & SEED	4.4	11.2*	8.2	100
9089	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.5	11.5*	8.9	103
9233	HALLS FEED STORE	4.2	12.1	9.8	106
9244	ELWOOD LOGAN	4.0	11.5*	8.2	98*
9405	GRAYSON MILLING COMPANY	4.4	11.6*	9.1	103
9419	FEDERAL CHEMICAL WHSE LEXINGTON	4.3	11.3*	8.3	100
<b>4 12 8M WITH 00.50 HEPTACHLOR<sup>(1)</sup></b>					
5667	CRAWFORD & FERGUSON HARDWARE	4.4	11.9	8.8	104

(1) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.38%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>FEDERAL CHEMICAL COMPANY CONTINUED</b>					
<b>4 16 16M</b>					
5598	WYNDALLS FARM STORE	4.1	14.7*	15.7	96*
5976	TRUMAN ATHERTONS GROCERY	4.1	13.6*	165	93*
7731	FEDERAL CHEMICAL CO WHSE HENDERSON	4.3	15.4*	15.9	99
7736	FEDERAL CHEMICAL CO WHSE HENDERSON	4.2	15.1*	15.8	98*
7963	MAYFIELD SWEET FEED MILL	4.1	14.6*	15.1*	94*
7981	YOUNGBLOOD BROTHERS	4.2	14.6*	16.0	96*
8894	GILLISPIE SEED COMPANY	4.1	14.7*	15.6*	96*
9418	FEDERAL CHEMICAL WHSE LEXINGTON	5.5	18.1	15.7	114
<b>4 24 12M</b>					
5715	LAND O NAN WAREHOUSE	4.1	185*	12.6	86*
<b>5 10 10M</b>					
5692	W C BROOKS	6.3	10.9	10.5	114
5981	M F BRYANT & SONS MILLING COMPANY	4.8	10.0	10.0	99
8575	PARIS PRODUCE	5.2	10.0	11.2	104
8769	TODD COUNTY GRAIN COMPANY	5.1	9.9	11.2	103
9171	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.2	10.6	10.7	103
9518	FAULKNERS SUPERMARKET	4.9	10.4	9.8	101
9522	BIG SANDY WHOLESALE COMPANY	5.3	10.4	10.0	104
<b>5 10 10S</b>					
8751	ARVIN MCCAIN	5.4	10.3	10.6	105
9809	MONROE COUNTY FEED & FARM SUPPLY	4.7*	10.3	9.3*	98*
<b>5 10 15S</b>					
5560	BOWLES MILL	5.5	9.9	14.8 (1)	102
5600	WYNDALLS FARM STORE	5.3	10.0	15.0 (1)	102
5661	MELTON GROCERY COMPANY	5.0	10.1	13.9 (2)	98*
5668	CRAWFORD & FERGUSON HARDWARE	5.1	10.0	13.6 (3)	98*
5693	W C BROOKS	5.4	10.0	15.0	102
5728	EARL WARDS MILL	5.1	10.1	13.5 (4)	98*
5740	L W GLISSON	5.1	10.0	12.7 (5)	96*
5797	CARLISLE & ABNER	5.2	10.0	15.0	101
5878	KUTTAWA FEED & SEED COMPANY	5.5	9.9	15.1	103
5953	SOLOM HENDRICKS GENERAL MERCHANDISE	5.0	10.2	15.0 (6)	101
5956	MOBILE FEED SERVICE	5.3	10.0	15.2	102
6243	LYNN FLOOD	5.2	10.3	14.1*	101
6305	H S GAINES	5.2	10.9	12.9*	101
6306	BUFORD MARTIN	5.3	10.6	13.7*	102
6329	E C COLEMAN	4.9	11.5	14.1 (7)	104
6453	HERMAN RANSDALL	5.1	10.4	15.0	102
6460	BURGESS BROTHERS FEED MILL	5.1	10.1	15.0	101
6497	HARDY BROTHERS MILL	5.1	10.7	15.0	103
6539	BENSON VALLEY MILLING COMPANY	5.1	10.0	15.0	101
6546	I L HOLLAR & SON	5.0	10.4	15.0	102
6600	FREEMAN HOCKENSMITH	5.1	10.8	13.9*	102
6676	ALBERT YATES & SON	5.0	10.8	14.0*	101
7150	NELSON ALEXANDER	5.0	10.0	15.0 (8)	100
7321	DUNNINGTON MILLING COMPANY	5.0	10.0	15.0	100
7849	YOUNG FEED & GRAIN COMPANY	5.4	10.5	14.6 (9)	104
7860	H C ROBY	5.4	10.1	15.0	103
8415	GABBARD FEED MARKET	5.2	10.0	14.9	101
8422	UPTON SWEET FEED MILL	4.7*	10.2	14.8	99
8503	MONROE FEED & FARM SUPPLY	5.3	10.0	15.0	102
8553	UPTON SWEET FEED MILL	5.1	10.3	15.0	102
9090	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.2	10.3	13.8*	100
9167	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.3	10.1	14.8	102
9234	HALLS FEED STORE	4.9	10.4	15.0	101
9362	J A OLDFIELD	5.3	10.0	15.5	103
9407	GRAYSON MILLING COMPANY	5.2	10.1	15.0	102
9505	FLORENCE FEED STORE	5.2	10.3	15.0 (10)	102
9530	MEADE & COMPANY	5.1	10.0	15.0	101
9574	SHELBY MURPHY	5.1	10.4	14.7 (11)	102
9607	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.2	10.1	15.0	102
<b>5 10 15S WITH 0050 HEPTACHLOR</b>					
5890	PRINCETON FARM SERVICE (13)	5.2	10.0	14.7	101
7984	YOUNGBLOOD BROTHERS (14)	5.0	11.5	14.0 (12)	104
8613	ARVIN MCCAIN (15)	5.3	10.1	15.0	102
8975	FEDERAL CHEMICAL CO HOPKINSVILLE (16)	5.5	10.0	15.0	103

(1) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (2) EXCESS MURIATE EQUIVALENT TO 1.4%  
 (3) EXCESS MURIATE EQUIVALENT TO 1.8%  
 (4) EXCESS MURIATE EQUIVALENT TO 1.7%  
 (5) EXCESS MURIATE EQUIVALENT TO 2.2%  
 (6) EXCESS MURIATE EQUIVALENT TO 0.5%  
 (7) EXCESS MURIATE EQUIVALENT TO 1.2%  
 (8) EXCESS MURIATE EQUIVALENT TO 0.4%

(9) EXCESS MURIATE EQUIVALENT TO 0.9%  
 (10) EXCESS MURIATE EQUIVALENT TO 0.3%  
 (11) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (12) EXCESS MURIATE EQUIVALENT TO 1.8%  
 (13) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.15%  
 (14) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.34%  
 (15) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.16%  
 (16) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.38%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<b>FEDERAL CHEMICAL COMPANY CONTINUED</b>					
	5 20 20M				
5716	LAND O NAN WAREHOUSE	5.0	19.4*	20.8	99
7151	NELSON ALEXANDER	5.3	18.5*	20.0	97*
7181	BRAD REYNOLDS	5.0	18.4*	20.2	96*
7732	FEDERAL CHEMICAL CO WHSE HENDERSON	5.0	20.1	20.2	101
7746	FEDERAL CHEMICAL CO WHSE HENDERSON	5.2	19.2*	21.0	100
7929	RUARK TRUCK LINES	5.1	21.2	20.4	104
8400	ARVIN MCCAIN	5.0	18.7*	22.0	99
8554	UPTON SWEET FEED MILL	5.0	18.5*	19.7	96*
8714	H D JONES	5.0	17.5*	18.8*	92*
8809	THOMERSON MILLING COMPANY	5.0	19.4*	19.6	98*
8935	PARIS PRODUCE	5.0	19.4*	17.0*	94*
9421	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.2	18.3*	20.0	96*
9557	ELWOOD LOGAN	4.9	18.4*	19.3*	94*
9608	FEDERAL CHEMICAL CO WHSE LEXINGTON	4.9	18.8*	20.0	96*
9875	FEDERAL CHEMICAL CO HOPKINSVILLE	5.0	19.6*	20.1	99
	6 6 18M				
9423	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.8	6.9	17.9	102
	6 6 18S				
6240	CARTERS SUPPLY COMPANY	6.4	6.3	18.0	104
6314	BENSON VALLEY MILLING COMPANY	5.9	6.8	18.1	103
6449	J B BOSTON	6.0	7.3	17.8 (1)	105
6499	VERONA GARAGE	5.8	6.7	18.2	102
6644	BENSON VALLEY MILLING COMPANY	6.1	6.3	18.0	102
6730	HUNT JONES	6.0	7.2	16.8*	103
9091	FEDERAL CHEMICAL CO WHSE LEXINGTON	6.1	6.5	17.6*	102
9593	LLOYD ALEXANDER	5.6*	7.4	18.0 (2)	103
9640	BREWER & BEASLEY	6.0	6.5	17.7	101
	6 8 6M				
5694	W C BROOKS	5.3*	8.0	8.4	101
5717	LAND O NAN WAREHOUSE	6.0	8.8	6.5	105
5729	EARL WARDS MILL	5.5*	9.9	8.7	113
5741	L W GLISSON	5.8	8.9	7.3	106
5798	CARLISLE & ABNER	6.0	7.9	6.8	102
5804	JOHN R WALLACE	6.3	8.4	7.5	108
5832	EARL WARDS MILL	5.6*	8.1	6.1	98*
5835	E B THOMPSON GROCERY & MILL	5.6*	9.9	8.9	114
5879	KUTTAWA FEED & SEED COMPANY	6.3	8.1	6.6	104
5889	PRINCETON FARM SERVICE	6.0	8.2	7.2	104
6277	CAMP TAYLOR FEED STORE	6.0	8.7	6.4	105
6619	HANCOCKS FEED STORE	7.0	8.7	7.8	116
6646	FLOORES FEED STORE	6.1	8.0	6.9	103
6673	HALL SEED COMPANY	6.0	8.0	6.4	101
6869	FLOORES FEED STORE	5.6*	9.5	8.1	110
6873	CAMP TAYLOR FEED STORE	5.9	8.5	7.2	105
7152	NELSON ALEXANDER	6.2	8.4	5.9	103
7861	H C ROBY	6.0	8.0	6.7	102
8501	MONROE FEED & FARM SUPPLY	5.5*	8.5	9.4	131
8611	ARVIN MCCAIN	6.0	8.3	7.0	104
8921	SHAKER FEED & SEED	5.6*	7.9	6.6	98*
9422	FEDERAL CHEMICAL CO WHSE LEXINGTON	6.1	7.6*	6.6	100
9520	FAULKNERS SUPERMARKET	5.9	8.1	6.8	102
9606	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.8	8.0	6.8	102
	6 8 6S				
6311	BENSON VALLEY MILLING COMPANY	5.9	7.7*	6.6	99
6496	HARDY BROTHERS MILL	5.5*	8.1	6.3	98*
6498	VERONA GARAGE	6.0	8.0	8.1	105
6739	BENSON VALLEY MILLING COMPANY	5.7*	8.2	6.8	101
6776	CARTERS SUPPLY COMPANY	6.0	8.6	9.1 (3)	111
7737	FEDERAL CHEMICAL CO WHSE HENDERSON	5.9	7.3*	6.7	98*
9092	FEDERAL CHEMICAL CO WHSE LEXINGTON	5.9	8.5	7.0 (4)	104
9538	H T SPARKS	5.8	8.5	7.0	104
9551	GUAR FERGUSON	5.7*	8.3	7.5	103
9559	ELWOOD LOGAN	5.7*	8.4	6.3	101
9575	SHELBY MURPHY	6.0	8.6	7.1	106
9642	H T SPARKS	5.8	9.7	6.5 (5)	108
9826	V L ROGERS & SON	5.6*	7.7*	7.0	98*

- (1) EXCESS MURIATE EQUIVALENT TO 0.9%  
 (2) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (3) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (4) EXCESS MURIATE EQUIVALENT TO 0.8%  
 (5) EXCESS MURIATE EQUIVALENT TO 5.5%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>FEDERAL CHEMICAL COMPANY CONTINUED</b>					
5561	6 12 12M BOWLES MILL	5.0*	135	10.0*	96*
5588	WABASH ELEVATOR COMPANY	6.5	12.0	12.5	104
5663	YOUNGBLOOD BROTHERS	6.0	11.6*	12.6	100
5669	CRAWFORD & FERGUSON HARDWARE	6.1	11.6*	12.5	100
5695	W C BROOKS	6.1	12.0	12.4	101
5730	EARL WARDS MILL	6.1	11.5*	12.0	99
5836	E B THOMPSON GROCERY & MILL	6.1	11.9	12.4	101
5957	MOBILE FEED SERVICE	5.8	12.8	11.0*	100
6716	VERONA GARAGE	5.9	11.9	12.0	99
7702	SALEM FEED & SEED COMPANY	5.8	12.0	11.6*	98*
7744	FEDERAL CHEMICAL CO WHSE HENDERSON	6.7	11.6*	12.1	103
8502	MONROE FEED & FARM SUPPLY	6.0	12.3	11.7	101
8517	THOMERSON MILLING COMPANY	5.9	12.1	12.0	100
8717	H D JONES	6.1	12.3	12.1	102
9420	FEDERAL CHEMICAL WHSE LEXINGTON	6.0	12.0	12.1	100
9641	BREWER & BEASLEY	6.0	11.9	12.2	100
<b>6 12 12M WITH 0050 HEPTACHLOR</b>					
5833	EARL WARDS MILL (1)	5.4*	12.7	11.1*	98*
5942	WARREN SEED COMPANY (2)	6.0	12.0	12.1	100
8759	WARREN ELEVATORS (3)	6.1	11.7	12.0	99
8954	WARREN ELEVATORS (4)	6.3	12.1	10.8*	100
8976	FEDERAL CHEMICAL CO HOPKINSVILLE (5)	6.3	11.8	12.0	101
<b>8 8 8M</b>					
5696	W C BROOKS	7.7*	10.5	9.7	112
5951	GORES STORE	7.6*	8.2	8.1	99
5985	BROOKS SERVICE STATION	7.6*	9.6	9.7	108
8608	ARVIN MCCAIN	7.8	8.4	8.4	101
8917	SHAKER FEED & SEED	8.0	8.5	8.3	103
9877	FEDERAL CHEMICAL CO HOPKINSVILLE	7.4*	8.5	8.2	99
<b>8 16 16M</b>					
5549	W C BROOKS	8.1	14.4*	15.8	96*
5697	W C BROOKS	9.0	17.3	13.4*	104
5718	LAND O NAN WAREHOUSE	8.7	16.0	16.7	104
7733	FEDERAL CHEMICAL CO WHSE HENDERSON	8.0	16.0	16.4	101
<b>8 24 16M</b>					
5529	FEDERAL CHEMICAL CO WHSE HENDERSON	7.8*	24.1	15.6*	99
5550	W C BROOKS	8.1	23.3*	15.6*	98*
5885	KUTTAWA FEED & SEED COMPANY	8.0	23.5*	15.6*	98*
5943	WARREN SEED COMPANY	5.6*	15.0*	16.5	72*
7246	FRICHTER HARDWARE COMPANY	7.5*	24.7	14.4*	98*
7759	MILBURN MILL	7.2*	18.6*	15.1*	84*
7771	MIZELL & COMPANY	7.6*	21.4*	16.6	93*
7982	YOUNGBLOOD BROTHERS	6.7*	16.8*	14.6*	78*
8403	ARVIN MCCAIN	7.7*	26.5	13.0*	101
8478	U L ROGERS & SON	6.9*	19.7*	17.9	89*
8715	H D JONES	7.9	22.5*	16.0	96*
8749	ARVIN MCCAIN	7.7*	24.7	14.7*	99
8892	GILLISPIE SEED COMPANY	8.0	24.1	16.5	101
8893	GILLISPIE SEED COMPANY	8.2	24.0	16.2	101
9643	GRAYSON MILLING COMPANY	8.0	22.8*	16.7	98*
<b>10 10 10M</b>					
5536	RUARK TRUCK LINES	9.4*	10.1	10.3	98*
5554	BROOKS SERVICE STATION	9.9	10.2	10.0	100
5562	BOWLES MILL	10.0	9.9	10.5	101
5601	WYNDALLS FARM STORE	10.0	10.4	10.8	103
5698	W C BROOKS	10.1	10.3	10.5	102
5719	LAND O NAN WAREHOUSE	9.7	11.3	11.2	105
5731	EARL WARDS MILL	9.7	10.6	10.0	101
5799	CARLISLE & ABNER	9.6*	10.3	10.0	99
5880	KUTTAWA FEED & SEED COMPANY	10.2	10.1	10.6	102
5954	SOLOM HENDRICKS GENERAL MERCHANDISE	8.7*	10.4	10.6	96*
5958	MOBILE FEED SERVICE	9.8	10.2	10.7	101
6279	CAMP TAYLOR FEED STORE	10.3	11.2	11.2	108
6358	VICTOR E FISTER	9.6*	10.3	10.5	100
6448	J B BOSTON	10.0	10.4	10.3	102
6509	P J HONAKER	9.2*	9.6*	13.2	100
6620	HANCOCKS FEED STORE	9.7	10.6	10.6	102
6695	P J HONAKER	9.4*	10.8	10.5	101
7166	JOHN ADAMS	9.5*	10.3	10.5	99

(1) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.36%  
 (2) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.50%  
 (3) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.72%  
 (4) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.07%  
 (5) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.40%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
10 10 10M CONTINUED					
7734	FEDERAL CHEMICAL CO WHSE HENDERSON	9.7	10.6	10.2	101
7745	FEDERAL CHEMICAL CO WHSE HENDERSON	8.8*	10.7	10.0	96*
7841	CLINTON HATCHERY	8.7*	10.9	10.5	97*
7983	YOUNGBLOOD BROTHERS	9.9	10.1	10.2	100
8401	ARVIN MCCAIN	10.1	10.3	10.9	103
8479	U L ROGERS & SON	9.6*	11.1	10.0	102
8610	ARVIN MCCAIN	9.9	10.1	10.8	101
8686	MONROE FEED & FARM SUPPLY	10.0	10.2	10.6	102
8878	TAYLOR COUNTY FEED COMPANY	9.4*	10.4	10.4	99
9088	FEDERAL CHEMICAL CO WHSE LEXINGTON	10.2	10.2	10.9	103
9170	FEDERAL CHEMICAL CO WHSE LEXINGTON	10.1	9.9	10.4	101
9406	GRAYSON MILLING COMPANY	10.2	10.2	10.4	102
9539	H T SPARKS	10.0	10.1	10.1	101
9576	SHELBY MURPHY	9.5*	10.1	10.0	98*
9592	LLOYD ALEXANDER	9.8	10.7	10.0	101
9609	FEDERAL CHEMICAL CO WHSE LEXINGTON	9.5*	10.9	10.1	101
10 10 10M WITH 00.50 HEPTACHLOR					
8748	ARVIN MCCAIN (1)	8.4*	10.2	10.4	93*
8974	FEDERAL CHEMICAL CO HOPKINSVILLE (2)	8.4*	10.8	10.5	96*
9878	FEDERAL CHEMICAL CO HOPKINSVILLE (3)	9.1*	10.3	10.1	97*
12 12 12M					
5732	EARL WARDS MILL	10.2*	12.0	12.0	93*
5834	EARL WARDS MILL	11.3*	12.1	12.1	98*
6278	CAMP TAYLOR FEED STORE	11.1*	11.9	12.5	97*
6327	E C COLEMAN	11.8	12.2	12.5	100
6432	CAMP TAYLOR FEED STORE	11.2*	12.1	12.4	98*
7168	JOHN ADAMS	11.8	11.1*	12.0	97*
7257	NELSON ALEXANDER	11.7	12.2	12.5	100
7741	FEDERAL CHEMICAL CO WHSE HENDERSON	10.8*	12.1	12.1	95*
7842	CLINTON HATCHERY	10.2*	11.6*	11.7	91*
8617	CAYCE YOST	9.7*	11.5*	12.6	90*
9168	FEDERAL CHEMICAL CO WHSE LEXINGTON	12.1	11.9	12.0	100
9550	GUAR FERGUSON	11.9	12.4	12.2	101
16 8 8M					
7735	FEDERAL CHEMICAL CO WHSE HENDERSON	15.3*	9.3	9.1	102
8609	ARVIN MCCAIN	15.0*	8.7	9.5	100
8750	ARVIN MCCAIN	16.0	8.4	8.1	101
8758	WARREN ELEVATORS	16.1	8.2	8.7	102
SUPERPHOSPHATE					
6328	E C COLEMAN		19.2*		96*
7975	ORRS GROCERY		20.6		103
7979	YOUNGBLOOD BROTHERS		19.3*		97*
7999	SALEM FEED & SEED COMPANY		18.0*		90*
8421	UPTON SWEET FEED MILL		20.2		101
8623	WARREN ELEVATORS		19.7		98*
8919	SHAKER FEED & SEED		20.0		100
9169	FEDERAL CHEMICAL CO WHSE LEXINGTON		20.0		100
46 TRIPLE SUPERPHOSPHATE					
7739	FEDERAL CHEMICAL CO WHSE HENDERSON		43.3*		94*
SULFATE OF POTASH					
6510	P J HONAKER			49.9	100
7738	FEDERAL CHEMICAL CO WHSE HENDERSON			49.7	99
MURIATE OF POTASH					
5531	FEDERAL CHEMICAL CO WHSE HENDERSON			60.0	100
6674	ALBERT YATES & SON			60.0	100
6729	HUNT JONES			57.2*	95*
6777	CARTERS SUPPLY COMPANY			60.0	100
<u>GRACE CHEMICAL COMPANY</u>					
ANHYDROUS AMMONIA					
7330	E TOWN ANHYDROUS AMMONIA COMPANY	82.0			100
7334	MAGINNIS NITROGEN SERVICE	82.0			100
7336	STULL BROTHERS INC	82.0			100
7338	TERRY THOMPSON	82.0			100
7345	COMMONWEALTH FERTILIZER COMPANY	82.0			100

(1) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.18%

(2) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.50%

(3) HEPTACHLOR GUARANTEED 0.50%----FOUND 0.40%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>HAWTHORNE LABORATORIES</u>					
6930	6 40 15M BUNTON SEED COMPANY	5.9	52.5	15.9	123
<u>HILLENMEYER NURSERIES</u>					
9312	10 6 4M HILLENMEYER NURSERIES	10.5	7.1	5.4	114
<u>HUTSON CHEMICAL COMPANY</u>					
5936	3 12 12M HUTSON CHEMICAL COMPANY	3.2	11.9	12.2	101
5659	4 12 8M W L FARRIS	4.0	11.3*	8.0	97*
5816	LYON COUNTY SOIL IMPROVEMENT ASSN	4.1	11.5*	8.4	99
5944	HUTSON CHEMICAL COMPANY	4.0	12.4	8.0	102
5959	TRIGG COUNTY SOIL IMPROVEMENT ASSN	4.0	11.7	8.7	100
5865	4 12 8M WITH 0.100 ALDRIN MARSHALL CO SOIL IMPROVEMENT ASSN <sup>(2)</sup>	4.0	11.7	8.7	100
5665	5 10 15S HUTSON CHEMICAL COMPANY	4.5*	11.6	15.2 <sup>(1)</sup>	104
7966	HUTSON CHEMICAL COMPANY	4.7*	12.4	13.6*	105
7962	5 10 15S WITH 0.100 ALDRIN WINGO FEED & SUPPLY COMPANY <sup>(3)</sup>	4.4*	9.8	15.5	97*
5935	5 20 20M HUTSON CHEMICAL COMPANY	5.1	18.9*	17.1*	94*
7769	ELLIS POPCORN COMPANY	5.5	20.8	20.2	104
7967	HUTSON CHEMICAL COMPANY	5.5	21.1	18.0*	102
8616	6 6 18M WEST KENTUCKY STATE HOSPITAL	6.0	6.9	18.0	104
5666	6 12 12M HUTSON CHEMICAL COMPANY	5.5*	12.5	10.0*	95*
5934	HUTSON CHEMICAL COMPANY	5.9	12.2	12.2	101
5945	HUTSON CHEMICAL COMPANY	5.8	12.1	13.6	102
7968	8 24 16M HUTSON CHEMICAL COMPANY	8.0	24.3	15.2*	100
5894	12 12 12M T R AKRIDGE	11.9	12.1	12.1	100
7843	CLINTON HATCHERY	12.2	12.3	12.2	102
7965	HUTSON CHEMICAL COMPANY	12.1	12.3	12.1	101
5664	SUPERPHOSPHATE HUTSON CHEMICAL COMPANY		19.4*		97*
8614	WEST KENTUCKY STATE HOSPITAL		20.0		100
5581	SULFATE OF POTASH GRAVES COUNTY SOIL ASSOCIATION			51.0	102
5652	CALLOWAY CO SOIL IMPROVEMENT ASSN			51.0	102

(1) EXCESS MURIATE EQUIVALENT TO 1.4%

(2) ALDRIN GUARANTEED 1.0%---FOUND 0.80%

(3) ALDRIN GUARANTEED 1.0%---FOUND 1.10%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>HUTSON CHEMICAL COMPANY CONTINUED</u>					
<u>MURIATE OF POTASH</u>					
5745	HOWE HILLIARD GRAIN COMPANY			60.5	101
8615	WEST KENTUCKY STATE HOSPITAL			60.0	100
<u>HYDROPONIC CHEMICAL COMPANY INC</u>					
6000	7 6 19M W H ARNOLD & COMPANY	7.4	7.4	20.4	110
<u>INTERNATIONAL MINERAL &amp; CHEM CORP</u>					
<u>0 19 19M WITH 5 LBS BORAX PER 100 (1)</u>					
8737	U L ROGERS & SON		18.2*	21.0	101
9825	U L ROGERS & SON		18.1*	20.2	99
<u>0 20 20M</u>					
6506	FARM EQUIPMENT COMPANY BEDFORD		19.6*	22.3	103
6636	RALPH MALCOMB		19.5*	20.8	100
7328	JACKSON COUNTY FARM SERVICE		20.2	20.7	102
8662	WOODSON LEWIS		19.2*	20.5	100
9823	EDWARD BRYANT		19.2*	21.1	99
<u>2 12 6M</u>					
8558	COOPER BROTHERS	2.0	11.8	7.5	103
8658	WOODSON LEWIS	2.1	11.9	6.6	102
8910	MORGANTOWN MILLING COMPANY	3.7	12.0	9.7	124
9816	METCALFE COUNTY FARMERS SUPPLY	2.1	11.9	6.6	102
<u>3 9 6M</u>					
7176	LEWIS WHOLESALE COMPANY	3.0	9.0	6.2	101
7195	SUTTONS GROCERY & FEED	3.0	9.0	6.5	102
7223	GIBSONS FARM & HOME SERVICE	3.2	9.0	6.1	102
7232	HARLAN FRUIT COMPANY	3.3	9.1	6.5	105
8673	TAYLOR COUNTY FEED COMPANY	2.9	9.1	6.3	101
9318	G F JOHNSON STORE	3.2	9.2	6.2	104
9542	H T SPARKS	3.2	9.0	9.3	112
<u>3 12 12M</u>					
5808	FARMERS COOPERATIVE MADISONVILLE	3.1	11.7	12.5	100
6383	SPRINGFIELD FEED & GRAIN COMPANY	3.0	11.5*	12.7	99
7286	FARMERS SUPPLY COMPANY SOMERSET	3.2	12.0	11.8	102
7289	G M SANDIDGE	2.6*	13.3	10.6*	100
7936	J B WRIGHT	3.0	11.9	12.5	101
8559	COOPER BROTHERS	2.4*	11.4*	13.0	96*
8845	COOPER BROTHERS	3.0	12.0	13.0	102
9239	J T LAWSON HARDWARE COMPANY	2.9	11.5*	11.9	97*
9431	FRED HICKS	3.2	11.5*	13.2	102
9496	BAKER & HULLEY	3.0	12.1	12.4	101
9824	U L ROGERS & SON	3.0	12.0	12.4	101
<u>4 12 8M</u>					
5611	CADIZ HARDWARE COMPANY	4.1	11.5*	8.1	99
5641	PRINCETON MILLS	3.9	13.1	7.8	104
5738	CARLISLE COUNTY FARM BUREAU	4.2	11.7	8.3	101
5930	MITCHELLS SUPERMARKET	4.1	11.2*	8.9	99
6634	RALPH MALCOMB	3.5*	12.5	8.0	99
7138	W S ALLEN	4.0	12.0	8.4	101
7146	MT VERNON PRODUCE COMPANY	4.1	11.3*	9.5	101
7174	CHAMPION STORES WAREHOUSE	4.3	12.0	8.1	102
8394	U L ROGERS & SON	4.2	12.0	8.0	101
8467	J W EDWARDS & SON	4.3	11.9	7.9	101
8674	TAYLOR COUNTY FEED COMPANY	3.7*	11.8	8.1	97*
8864	WOODSON LEWIS	3.8	11.2*	8.4	96*
8909	MORGANTOWN MILLING COMPANY	4.1	11.6*	8.2	99
9127	C W GREER	3.5*	11.6*	8.9	97*
9227	WOOLCOTT MILLS INC	4.0	11.8	8.9	101
9366	BOYD MURPHY	3.5*	11.9	9.6	100
9815	METCALFE COUNTY FARMERS SUPPLY	4.0	12.1	8.3	101

(1) SEE BORON TABLE PAGE 76



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>INTER MINERAL &amp; CHEM CORP CONTINUED</u>					
	4 12 8S				
9226	WOOLCOTT MILLS INC	3.8	12.2	8.7 (1)	101
9238	J T LAWSON HARDWARE COMPANY	3.9	13.5	9.1 (2)	109
9348	MAY GROCERY COMPANY	4.0	12.3	10.0 (3)	106
9479	HAROLD G ORME	3.7	11.3*	8.8	97*
9495	BAKER & HULLEY	3.6*	13.1	9.3 (4)	105
	5 10 5M				
7231	HARLAN FRUIT COMPANY	5.0	10.7	5.4	105
	5 10 10M				
6382	SPRINGFIELD FEED & GRAIN COMPANY	4.9	10.0	10.6	101
7169	VAN B FRAZIER & COMPANY	5.0	10.1	10.4	101
7175	LEWIS WHOLESALE COMPANY	5.0	9.6*	10.0	98*
7234	HARLAN FRUIT COMPANY	5.0	9.6*	10.9	100
7256	FARM & HOME SUPPLY IRVINE	5.3	10.1	10.4	103
8561	COOPER BROTHERS	5.0	9.9	10.7	101
9223	WOOLCOTT MILLS INC	5.2	9.5*	11.2	102
9242	J T LAWSON HARDWARE COMPANY	5.9	10.7	11.2	112
9319	G F JOHNSON STORE	5.0	10.0	10.8	102
9561	J T LAWSON HARDWARE COMPANY	5.0	10.1	10.5	102
9567	WOOLCOTT MILLS	5.0	10.5	10.6	104
	5 10 10M WITH 0050 ALDRIN				
8659	WOODSON LEWIS <sup>(9)</sup>	4.5*	10.2	10.0	98*
	5 10 15S				
5565	HUNT BROTHERS	5.0	10.2	14.9	101
5590	R D SANDERFUR	6.2	10.0	14.0 <sup>(5)</sup>	105
5947	ELLIS POPCORN COMPANY	4.9	10.0	15.5	100
6380	SPRINGFIELD FEED & GRAIN COMPANY	4.5*	9.9	16.5	100
6501	COLLINS HARDWARE	4.5*	9.6*	17.8	101
6508	FARM EQUIPMENT COMPANY BEDFORD	4.6*	10.2	15.2	99
6612	O D GOODLETT	4.0*	10.0	15.5	95*
6614	LEONARD PRATHER	5.0	9.5*	15.5	99
6635	RALPH MALCOMB	4.6*	10.2	15.7	100
7139	W S ALLEN	4.9	10.4	14.7	100
7205	FERGUSON BROTHERS	4.8	10.3	15.3	101
7306	MT VERNON PRODUCE COMPANY	4.7*	10.4	15.0	100
8480	U L ROGERS & SON	4.7*	10.0	15.7	100
8557	COOPER BROTHERS	5.0	9.4*	15.2	98*
8843	COOPER BROTHERS	5.6	10.0	15.0	104
8862	WOODSON LEWIS	5.0	9.8	15.4	100
9124	C W GREER	4.5*	10.4	17.6	104
9224	WOOLCOTT MILLS INC	4.6*	9.8	17.7	102
9237	J T LAWSON HARDWARE COMPANY	4.3*	9.9	18.0	101
9282	WOOLCOTT MILLS INC	5.0	10.4	15.0 (6)	102
9377	H T SPARKS	4.4*	9.5*	16.5	97*
9494	R H EWINGS SON & COMPANY	5.4	10.3	15.0	104
9532	J E MCGAHAN COMPANY	4.6*	10.1	15.1	98*
	5 10 15 4S 11M				
7911	C C HARDWARE FEED & SEED COMPANY	5.1	10.5	15.2	103
8861	WOODSON LEWIS	5.2	10.9	14.3*	103
9857	MORRISON FARM SERVICE	5.3	10.0	15.1 (7)	102
	5 10 15 12S 3M				
5572	CARLISLE COUNTY FARM BUREAU	5.2	10.8	14.4*	103
5642	PRINCETON MILLS	5.1	10.2	15.0	101
5809	FARMERS COOPERATIVE MADISONVILLE	5.0	10.0	15.0	100
7186	DUDLEY CORMAN	4.6*	11.1	14.7 (8)	101
7299	BOONES FEED STORE	4.7*	10.1	15.2	99
7961	WINGO FEED & SUPPLY	5.1	10.0	15.0	101
8798	FARMERS FEED STORE CENTRAL CITY	4.9	10.3	15.1	101
8863	WOODSON LEWIS	4.7*	10.3	15.0	99
8981	FARMERS FEED STORE CENTRAL CITY	5.0	9.9	15.4	100
9125	C W GREER	4.8	9.5*	15.1	97*
9566	WOOLCOTT MILLS	5.5	9.5*	15.2	101
	5 10 15 12S 3M WITH 0Q20 ALDRIN				
8922	SHAKER FEED & SEED <sup>(10)</sup>	5.0	10.4	15.0	102

(1) EXCESS MURIATE EQUIVALENT TO 2.6%  
 (2) EXCESS MURIATE EQUIVALENT TO 3.3%  
 (3) EXCESS MURIATE EQUIVALENT TO 2.1%  
 (4) EXCESS MURIATE EQUIVALENT TO 2.3%  
 (5) EXCESS MURIATE EQUIVALENT TO 1.9%

(6) EXCESS MURIATE EQUIVALENT TO 3.6%  
 (7) EXCESS MURIATE EQUIVALENT TO 0.6%  
 (8) EXCESS MURIATE EQUIVALENT TO 1.4%  
 (9) ALDRIN GUARANTEED 0.50%----FOUND 0.55%  
 (10) ALDRIN GUARANTEED 0.20%----FOUND 0.17%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<b>INTER MINERAL &amp; CHEM CORP CONTINUED</b>					
<b>5 20 20M</b>					
5810	FARMERS COOPERATIVE MADISONVILLE	5.2	18.4*	22.2	99
5948	ELLIS POPCORN COMPANY	4.9	18.0*	22.0	97*
5990	FARMERS COOPERATIVE MADISONVILLE	5.0	19.2*	22.0	101
7290	G M SANDIDGE	4.9	19.7	19.8	99
7319	FERGUSON BROTHERS	4.6*	18.4*	19.0*	93*
7753	FELTY PRODUCE COMPANY	4.7*	19.9	20.0	99
7912	C C HARDWARE FEED & SEED COMPANY	5.4	17.7*	21.2	97*
8395	U L ROGERS & SON	4.9	18.2*	21.7	97*
8481	U L ROGERS & SON	4.5*	19.0*	19.3*	94*
8532	U L ROGERS & SON	5.0	18.1*	19.7	95*
8644	STINSON FARM SUPPLY	5.0	20.0	21.0	101
8846	COOPER BROTHERS	5.1	20.2	20.0	101
<b>6 6 18S</b>					
6379	SPRINGFIELD FEED & GRAIN COMPANY	5.7*	6.1	20.0	103
6599	E B MILLER	5.9	6.2	19.2	103
6795	WOODFORD FEED COMPANY	5.7*	7.5	18.6	106
9222	WOOLCOTT MILLS INC	5.8	6.9	19.4	105
<b>6 8 6M</b>					
5931	MITCHELLS SUPERMARKET	5.8	8.2	6.2	100
7755	HUNT BROTHERS	5.4*	9.0	7.8	105
8795	FARMERS FEED STORE CENTRAL CITY	5.7*	8.6	6.1	101
<b>6 8 6S</b>					
7287	FARMERS SUPPLY COMPANY SOMERSET	5.5*	8.4	6.3	99
7294	W S ALLEN	5.6*	8.5	6.5	101
8556	COOPER BROTHERS	6.2	8.7	6.6	107
8649	TAYLOR COUNTY FEED COMPANY	5.9	9.0	6.3	105
8660	WOODSON LEWIS	5.6*	8.8	6.3	102
8844	COOPER BROTHERS	6.1	8.5	6.6	105
9126	C W GREER	6.1	8.3	6.3	103
9241	J T LAWSON HARDWARE COMPANY	6.1	8.3	5.9	102
9376	H T SPARKS	6.1	8.1	6.2	102
9543	H T SPARKS	5.9	11.3	10.6 (1)	127
9560	J T LAWSON HARDWARE COMPANY	6.1	8.7	6.8	106
<b>6 12 12M</b>					
5643	PRINCETON MILLS	5.8	12.7	12.7	103
5811	FARMERS COOPERATIVE MADISONVILLE	6.0	11.1*	11.0*	95*
5851	BROWDER MILLING COMPANY	6.0	11.5*	12.6	99
5932	MITCHELLS SUPERMARKET	5.9	12.3	12.4	101
7307	MT VERNON PRODUCE COMPANY	5.6*	11.5*	12.4	97*
7937	J B WRIGHT	6.0	11.2*	11.3*	96*
8620	TODD COUNTY SEED COMPANY	5.9	11.6*	11.7	97*
8982	FARMERS FEED STORE CENTRAL CITY	5.9	12.3	12.2	101
9833	COOMER FEED STORE	5.6*	12.2	11.8	98*
<b>6 12 12 3S 9M</b>					
5739	CARLISLE COUNTY FARM BUREAU	6.1	12.1	12.5 (2)	102
<b>8 8 8M</b>					
8993	SHAKER FEED & SEED	7.1*	7.6*	8.1	93*
<b>8 24 16M</b>					
5591	R D SANDERFUR	7.4*	21.8*	15.0*	92*
7293	W S ALLEN	7.6*	23.3*	16.6	98*
8661	WOODSON LEWIS	7.5*	24.1	14.6*	97*
8865	WOODSON LEWIS	8.1	23.4*	17.0	100
8904	SOUTHERN STATES SIMPSON COOP	8.3	25.4	13.1*	101
9884	ANDREWS MILL	7.2*	24.0	14.6*	96*
<b>10 10 10M</b>					
5573	CARLISLE COUNTY FARM BUREAU	9.6*	10.6	9.7	100
5644	PRINCETON MILLS	9.8	9.9	10.0	99
5933	MITCHELLS SUPERMARKET	9.9	9.8	10.2	100
6381	SPRINGFIELD FEED & GRAIN COMPANY	9.7	10.4	10.5	101
6613	LEONARD PRATHER	10.3	10.4	9.1*	101
6797	WOODFORD FEED COMPANY	10.2	10.3	11.2	104

(1) EXCESS MURIATE EQUIVALENT TO 4.7%

(2) EXCESS MURIATE EQUIVALENT TO 2.1%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>INTER MINERAL &amp; CHEM CORP CONTINUED</u>					
10 10 10M CONTINUED					
7196	SUTTONS GROCERY & FEED	9.4*	10.4	9.7	98*
7206	FERGUSON BROTHERS	9.3*	10.5	10.0	98*
7233	HARLAN FRUIT COMPANY	9.4*	10.4	10.0	98*
8560	COOPER BROTHERS	10.1	10.0	10.5	101
8794	FARMERS FEED STORE CENTRAL CITY	10.3	9.9	9.8	101
8992	SHAKER FEED & SEED	9.9	9.9	10.1	99
9225	WOOLCOTT MILLS INC	10.0	10.6	10.1	102
9240	J T LAWSON HARDWARE COMPANY	9.7	10.1	10.5	100
9281	WOOLCOTT MILLS INC	10.4	9.9	11.0	103
9531	J E MCGAHAN COMPANY	10.1	10.0	10.0	101
9541	H T SPARKS	10.2	10.5	10.9	104
9562	J T LAWSON HARDWARE COMPANY	9.6*	10.2	10.7	100
9817	JACK SHIRLEY	9.3*	10.0	9.8	96*
9830	COOMER FEED STORE	8.7*	10.5	10.0	95*
9885	ANDREWS MILL	10.0	10.3	10.0	101
10 10 10M WITH 00.50 ALDRIN					
5574	CARLISLE COUNTY FARM BUREAU (1)	10.2	9.7	10.1	100
12 12 12M					
5991	FARMERS COOPERATIVE MADISONVILLE	11.9	12.5	12.4	102
6596	HARRY DAULTON	11.9	12.5	12.7	102
8562	COOPER BROTHERS	10.7*	12.6	12.4	97*
8799	FARMERS FEED STORE CENTRAL CITY	11.7	12.4	12.4	100
9263	SOUTHERN STATES MAYSVILLE COOP	11.4*	12.2	12.5	99
9506	J H FEDDERS INC	12.7	12.4	12.6	105
9533	J E MCGAHAN COMPANY	11.7	12.6	12.5	101
SUPERPHOSPHATE					
5640	PRINCETON MILLS		20.4		102
6507	FARM EQUIPMENT COMPANY BEDFORD		19.4*		97*
6710	PLATZ GARAGE		20.2		101
7873	R D SANDERFUR		20.4		102
7960	WINGO FEED & SUPPLY		19.0*		95*
8657	WOODSON LEWIS		18.4*		92*
SULFATE OF POTASH					
5612	TRIGG COUNTY TRADING COMPANY			51.0	102
6253	SOUTHERN STATES HARRODSBURG COOP			50.8	102
6300	WOODFORD FEED COMPANY			50.5	101
6336	DAWSON FEED & SUPPLY			50.5	101
6767	SOUTHERN STATES FRANKFORT COOP			51.0	102
7855	HANCOCK COUNTY FARM SUPPLY			50.5	101
7946	CADIZ HARDWARE COMPANY			50.5	101
8487	FARMERS EXCHANGE COMPANY BURKESVILLE			51.0	102
MURIATE OF POTASH					
5613	TRIGG COUNTY TRADING COMPANY			60.0	100
5902	BAKERS PHOSPHATE & FERT SERVICE			60.5	101
6335	DAWSON FEED & SUPPLY			60.0	100
<u>KENTUCKY FERTILIZER WORKS</u>					
0 20 20M					
9395	L F WELLMAN HARDWARE		20.0	20.0	100
3 9 6M					
9535	R T LITTLE	3.0	8.8	6.2	99
4 12 8M					
9270	STEVE ROSE MARKET	4.2	10.3*	8.5	95*
9342	R T LITTLE	4.0	10.9*	8.3	96*
9364	J A OLDFIELD	4.0	11.1*	8.4	97*
9393	L F WELLMAN HARDWARE	4.1	10.7*	8.1	95*
9509	ROSCOE MEADOWS	4.0	10.9*	8.5	96*
9512	STEVE ROSE MARKET	4.0	12.0	8.4	101
9534	R T LITTLE	4.1	11.1*	7.8	96*

(1) ALDRIN GUARANTEED 0.50%----FOUND 0.14%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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)	
5 10 10M					
9396	L F WELLMAN HARDWARE	5.1	10.1	10.0	101
5 10 15S					
6588	FARMERS SUPPLY COMPANY DANVILLE	5.1	10.3	15.4	103
6841	FARMERS SUPPLY COMPANY DANVILLE	4.9	10.2	15.0	100
7120	ROBINSON & TURLEY	5.0	10.1	15.0	100
9273	STEVE ROSE MARKET	4.9	10.4	14.6*	100
9363	J A OLDFIELD	5.0	10.6	15.0	102
9369	BURLEY MABRY	4.8	11.0	14.1*	101
9397	L F WELLMAN HARDWARE	5.1	10.1	15.5	102
9510	ROSCOE MEADOWS	4.9	10.8	14.5*	102
9536	R T LITTLE	5.1	10.3	15.0	102
6 6 18S					
7121	ROBINSON & TURLEY	6.4	5.9	18.2	103
9272	STEVE ROSE MARKET	6.0	6.3	17.9	101
6 8 6S					
6587	FARMERS SUPPLY COMPANY DANVILLE	6.0	8.0	7.3	103
7122	ROBINSON & TURLEY	6.0	7.9	6.2	100
9271	STEVE ROSE MARKET	6.1	8.0	6.3	102
9341	R T LITTLE	5.8	8.7	6.4	103
9370	BURLEY MABRY	6.2	10.0	6.8	114
9507	CLEMONS GROCERY	6.0	7.8	6.3	100
9511	STEVE ROSE MARKET	6.1	7.6*	6.5	100
6 12 12M					
9394	L F WELLMAN HARDWARE	5.2*	12.1	11.1*	94*
12 12 12M					
9399	L F WELLMAN HARDWARE	11.8	12.3	12.4	101
SUPERPHOSPHATE					
9398	L F WELLMAN HARDWARE		20.0		100
SULFATE OF POTASH					
6840	FARMERS SUPPLY COMPANY DANVILLE			48.9*	98*
9617	FOX BROTHERS			50.3	101
<u>KNOXVILLE FERTILIZER COMPANY</u>					
0 12 12M					
7851	YOUNG FEED & GRAIN COMPANY		12.2	13.0	104
9528	PAINTSVILLE GROCERY COMPANY		12.1	12.5	102
0 20 20M					
6750	G M TAYLOR SEED COMPANY		19.8	21.0	101
7171	WHITESBURG FARM SERVICE		19.0*	21.4	99
7178	CASH WHOLESALE COMPANY		19.2*	21.2	99
7236	JELLICO GROCERY		19.5*	20.0	98*
7243	H & H WHOLESALE GROCERY		19.5*	20.2	99
7276	ROBERTS FEED STORE		18.9*	20.9	98*
9517	CARTER & SADLER WHOLESALE COMPANY		18.8*	20.8	97*
9840	CURTIS & MCCOMAS		19.7	20.7	100
0 30 30M					
6479	BARNETT SULLIVAN & COMPANY		30.6	30.2	102
7201	C E THOMAS STORE		27.7*	31.7	97*
7323	C E THOMAS STORE		30.4	30.0	101
2 12 6M					
8494	JACK SHIRLEY	2.4	11.5*	6.5	102



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958  
 (Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
 notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
 shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>KNOXVILLE FERTILIZER CO CONTINUED</u>					
	3 9 6M				
5995	NEBO MILL	3.4	9.5	7.2	110
7127	TRI STATE WHOLESAL	3.2	9.6	7.7	111
7158	JACKSON GROCERY COMPANY	3.1	10.4	8.2	116
7179	CASH WHOLESAL COMPANY	3.1	9.3	7.7	108
7239	BALL BROTHERS	3.2	9.0	7.5	106
7852	YOUNG FEED & GRAIN COMPANY	3.3	10.0	6.8	111
8931	ALLEN COUNTY MILLS	3.1	9.7	6.6	107
9356	BLAIR WHOLESAL GROCERY COMPANY	3.0	9.9	6.8	108
9516	CARTER & SADLER WHOLESAL COMPANY	3.2	9.3	7.2	107
	3 9 6S				
5746	YOUNG FEED & GRAIN COMPANY	3.8	9.3	6.3	110
5997	NEBO MILL	3.8	9.3	6.3	110
7853	YOUNG FEED & GRAIN COMPANY	3.8	9.2	6.5	110
8492	JACK SHIRLEY	3.7	10.3	6.2	115
8669	WOODSON C TURNER	3.0	9.5	6.5	105
8722	G H BOWLES & SONS	3.7	9.7	6.1	111
8932	ALLEN COUNTY MILLS	3.7	9.6	6.2	111
9839	CURTIS & MCCOMAS	3.0	10.1	6.4	108
8526	3 9 6S WITH 0040 ALDRIN FARMERS FEED & HDWE BOWLING GREEN <sup>(3)</sup>	3.8	9.7	5.9	111
5996	3 9 6 4S 2M NEBO MILL	3.7	9.9	6.5 <sup>(2)</sup>	113
8933	3 9 18S ALLEN COUNTY MILLS	3.3	10.2	17.4*	106
6354	3 12 12M FELIX POOLE	3.2	11.9	12.2	101
6801	BARNETT SULLIVAN & COMPANY	3.3	12.4	14.0	108
8449	G H BOWLES & SON	3.0	12.2	12.1	101
9861	SHIPP SEED HOUSE	3.3	12.0	12.4	103
6480	3 12 12M WITH 3 LBS BORAX PER 100 <sup>(1)</sup> BARNETT SULLIVAN & COMPANY	3.4	12.5	13.9	109
9358	4 12 0 BLAIR WHOLESAL GROCERY COMPANY	4.0	11.7		98*
6388	4 12 4M VALLEY HILL STORE	4.5	11.5*	8.5	113
7153	BEATTYVILLE WHOLESAL GROCERY CO	3.8	12.6	4.4	103
5686	4 12 8M NEBO MILL	4.0	11.8	8.5	100
6353	FELIX POOLE	4.2	11.9	8.9	103
6791	D H THOMAS	3.9	12.1	8.4	101
6800	BARNETT SULLIVAN & COMPANY	4.2	12.0	8.9	103
7250	BAIRD & BRUMMETT	4.2	12.1	9.1	104
8448	ALLEN COUNTY MILLS	4.0	11.9	8.2	100
8507	HAGAN & STONE	4.1	11.9	8.3	101
8668	WOODSON C TURNER	4.1	11.9	8.4	101
8721	G H BOWLES & SONS	4.2	12.0	8.3	102
8934	ALLEN COUNTY MILLS	4.2	12.1	8.3	103
9527	PAINTSVILLE GROCERY COMPANY	4.0	12.2	8.2	101
9639	MILLER & GRAHAM	4.1	12.0	8.9	103
9842	CURTIS & MCCOMAS	4.3	12.1	9.0	105
8399	4 12 8S FARMERS FEED & HDWE BOWLING GREEN	4.3	12.5	8.2	105
8451	G H BOWLES & SON	4.2	12.1	8.2	102
8896	4 12 8S WITH 0040 ALDRIN HARRIS FEED COMPANY <sup>(4)</sup>	4.0	12.0	7.8	100

(1) SEE BORON TABLE PAGE 76  
 (2) EXCESS MURIATE EQUIVALENT 1.6%  
 (3) ALDRIN GUARANTEED 0.40%---FOUND 0.38%  
 (4) ALDRIN GUARANTEED 0.40%---FOUND 0.30%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
	5 10 5M				
5998	NEBO HILL	4.7*	10.0	6.5	102
6609	ARLIE DEARINGER	4.8	9.9	6.0	101
7177	CASH WHOLESale	4.8	9.2*	5.3	95*
7235	JELLICO GROCERY	4.7*	10.0	6.6	102
7240	BALL BROTHERS	4.7*	9.1*	6.2	96*
8583	HARRIS FEED COMPANY	5.0	10.0	6.9	105
9357	BLAIR WHOLESale GROCERY COMPANY	4.7*	8.9*	5.6	94*
9582	BLAIR WHOLESale GROCERY COMPANY	4.7*	10.3	6.0	102
	5 10 10M				
5748	YOUNG FEED & GRAIN COMPANY	5.1	10.3	10.1	102
7159	JACKSON GROCERY COMPANY	5.0	9.6*	11.0	100
7172	WHITESBURG FARM SERVICE	5.0	10.2	11.3	104
7227	WILDERS STORE	4.9	10.5	10.9	104
8450	G H BOWLES & SON	4.8	9.9	10.1	98*
8506	HAGAN & STONE	4.9	10.1	9.9	100
9515	CARTER & SADLER WHOLESale COMPANY	5.0	11.0	11.5	108
	5 10 10M WITH 0.00 CHLORDANE				
8525	FARMERS FEED & HDWE BOWLING GREEN <sup>(4)</sup>	4.9	10.0	10.1	100
	5 10 15S				
5999	NEBO HILL	4.9	10.6	14.5*	101
6352	FELIX POOLE	4.9	10.0	14.8	99
6470	D H THOMAS	5.0	10.2	16.1	103
6478	BARNETT SULLIVAN & COMPANY	4.9	10.1	15.1	100
6526	G M TAYLOR SEED COMPANY	4.8	10.8	15.0 (1)	102
6792	D H THOMAS	5.0	9.6*	15.0	98*
6830	FERRELL FERTILIZER COMPANY	5.1	10.1	15.0	101
6900	G M TAYLOR SEED COMPANY	4.9	10.0	15.0	99
7135	HOBART & MILTON ROBERTS	5.1	9.7	16.6	103
7288	A P VAUGHT COMPANY	5.3	9.9	15.1	102
7309	CASS & CASH	4.7*	10.4	15.2	100
7315	KNOX COUNTY SUPPLY	4.8	10.9	15.0	102
8493	JACK SHIRLEY	5.0	11.0	14.6*(2)	103
8898	HARRIS FEED COMPANY	4.4*	13.9	12.1*(3)	106
9359	BLAIR WHOLESale GROCERY COMPANY	4.5*	10.5	14.5*	98*
9843	CURTIS & MCCOMAS	5.3	10.2	15.0	103
	5 10 15S WITH 0.040 ALDRIN				
8899	HARRIS FEED COMPANY <sup>(5)</sup>	4.9	10.4	14.8	101
	5 20 20M				
6748	G M TAYLOR SEED COMPANY	4.9	19.1*	21.7	99
6831	FERRELL FERTILIZER COMPANY	5.4	18.0*	19.4*	95*
7170	WHITESBURG FARM SERVICE	5.0	20.0	20.7	101
7275	ROBERTS FEED STORE	5.3	20.0	20.2	101
7308	CASS & CASH	5.0	18.3*	19.9	95*
7313	JELLICO GROCERY	5.1	20.7	20.7	103
8930	ALLEN COUNTY MILLS	5.1	18.6*	19.1*	95*
	6 6 18M				
9334	FAYETTE SEED COMPANY	5.3*	7.5	16.6*	99
	6 6 18S				
6389	VALLEY HILL STORE	5.6*	7.6	17.5*	103
6477	BARNETT SULLIVAN & COMPANY	6.0	6.4	18.7	103
6524	G M TAYLOR SEED COMPANY	6.0	7.3	18.0	105
6641	D H THOMAS	6.1	6.5	18.4	104
6790	D H THOMAS	5.9	6.7	19.2	105
6923	D H THOMAS	5.8	11.0	16.8*	117
	6 8 6M				
6924	D H THOMAS	6.0	9.4	6.1	107
9331	FAYETTE SEED COMPANY	5.3*	9.5	6.5	104
9581	BLAIR WHOLESale GROCERY COMPANY	5.9	8.7	6.2	103

(1) EXCESS MURIATE EQUIVALENT TO 0.8%

(2) EXCESS MURIATE EQUIVALENT TO 1.6%

(3) EXCESS MURIATE EQUIVALENT TO 3.0%

(4) CHLORDANE GUARANTEED 1.0%----FOUND 1.2%

(5) ALDRIN GUARANTEED 0.40%----FOUND 0.37%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>KNOXVILLE FERTILIZER CO CONTINUED</u>					
6 8 6S					
6481	BARNETT SULLIVAN & COMPANY	6.0	8.5	6.9	105
6642	D H THOMAS	5.9	8.8	7.0 (1)	106
6751	G M TAYLOR SEED COMPANY	5.9	8.6	6.8	104
6793	D H THOMAS	6.0	8.2	6.7	103
7258	JACKSON GROCERY COMPANY	6.0	8.4	7.5	106
8875	SHIPP SEED HOUSE	6.0	8.9	7.0	107
9333	FAYETTE SEED COMPANY	5.6*	9.3	7.9 (2)	108
9355	BLAIR WHOLESALE GROCERY COMPANY	5.7*	9.1	7.2 (3)	106
9529	PAINTSVILLE GROCERY COMPANY	5.9	8.8	7.0 (4)	106
9841	CURTIS & MCCOMAS	6.1	8.9	6.6	107
6 12 12M					
7854	YOUNG FEED & GRAIN COMPANY	5.9	11.9	12.1	99
8582	HARRIS FEED COMPANY	5.7*	11.4*	12.2	96*
8 6 10M					
6469	D H THOMAS	7.5*	7.2	11.2	105
6640	D H THOMAS	8.1	6.4	10.5	103
8 24 16M					
5840	BUGG BROTHERS FEED & SUPPLY	8.1	24.0	16.5	101
9888	J C CORN JR	6.7*	25.2	14.4*	96*
10 6 4M					
6525	G M TAYLOR SEED COMPANY	9.7	7.2	4.4	106
7222	FIKE & DENNIS	9.2*	6.5	4.4	98*
9332	FAYETTE SEED COMPANY	9.5*	7.5	4.7	105
10 6 4M WITH 00.15 ALDRIN PER 100					
7210	ROBERTS FEED STORE <sup>(5)</sup>	8.3*	7.7	4.8	100
10 10 10M					
6482	BARNETT SULLIVAN & COMPANY	9.5*	10.5	10.8	101
6749	G M TAYLOR SEED COMPANY	9.7	10.4	11.2	102
7216	GARNETT WHITTLE	9.9	10.4	10.6	102
7314	JELLICO GROCERY	9.8	10.3	11.3	102
8897	HARRIS FEED COMPANY	9.4*	10.7	10.1	100
9330	FAYETTE SEED COMPANY	9.6*	10.9	11.0	103
10 30 20M					
5749	YOUNG FEED & GRAIN COMPANY	10.2	30.3	19.4*	101
7253	ROBERTS FEED STORE	9.8	27.8*	19.8	95*
7268	RUSSELL FARM SUPPLY	10.3	30.6	21.2	101
AMMONIUM NITRATE					
5734	COOPER SEED & FEED STORE	33.6			100
5747	YOUNG FEED & GRAIN COMPANY	33.5			100
SUPERPHOSPHATE					
6523	G M TAYLOR SEED COMPANY		19.7		98*
6611	ARLIE DEARINGER		19.4*		97*
8495	JACK SHIRLEY		18.1*		90*
8723	G H BOWLES & SON		20.0		100
8874	SHIPP SEED HOUSE		20.1		101
CALCIUM METAPHOSPHATE					
5733	COOPER SEED & FEED STORE		63.0		102
SULFATE OF POTASH					
6610	ARLIE DEARINGER			50.5	101
6898	G M TAYLOR SEED COMPANY			50.0	100
7850	YOUNG FEED & GRAIN COMPANY			50.0	104
MURIATE OF POTASH					
6899	G M TAYLOR SEED COMPANY			60.0	100

(1) EXCESS MURIATE EQUIVALENT TO 0.3%

(2) EXCESS MURIATE EQUIVALENT TO 1.0%

(3) EXCESS MURIATE EQUIVALENT TO 0.3%

(4) EXCESS MURIATE EQUIVALENT TO 0.4%

(5) ALDRIN GUARANTEED 0.15%----FOUND 0.15%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>LAND 0 NAN WAREHOUSE</u>					
	0 20 20M				
5918	LAND 0 NAN WAREHOUSE		22.8	22.0	113
7725	LAND 0 NAN WAREHOUSE		23.6	18.7*	110
7934	LAND 0 NAN WAREHOUSE		21.8	20.1	106
	0 30 30M				
5822	LAND 0 NAN WAREHOUSE		28.5*	30.7	92*
7721	LAND 0 NAN WAREHOUSE		26.4*	31.5	94*
	3 12 12M				
7722	LAND 0 NAN WAREHOUSE	3.8	16.5	13.1	129
	5 20 5M				
5919	LAND 0 NAN WAREHOUSE	4.5*	22.1	6.7	107
7930	LAND 0 NAN WAREHOUSE	5.3	22.8	4.7*	110
	5 20 20M				
7723	LAND 0 NAN WAREHOUSE	5.4	18.7*	20.2	98*
7931	LAND 0 NAN WAREHOUSE	4.3*	20.9	15.3*	93*
	6 8 6M				
7932	LAND 0 NAN WAREHOUSE	6.1	9.5	6.6	110
	6 12 12M				
5917	LAND 0 NAN WAREHOUSE	6.3	12.4	13.9	107
7933	LAND 0 NAN WAREHOUSE	6.4	12.0	14.2	106
	10 20 20M				
5823	LAND 0 NAN WAREHOUSE	9.3*	18.7*	23.4	99
5920	LAND 0 NAN WAREHOUSE	8.9*	19.3*	23.5	99
7803	MORGANFIELD HARDWARE COMPANY	9.9	20.8	21.2	103
	10 20 30M				
7935	LAND 0 NAN WAREHOUSE	7.6*	16.1*	34.3	89*
	10 30 20M				
5824	LAND 0 NAN WAREHOUSE	10.5	29.4*	22.0	102
	12 12 12M				
5825	LAND 0 NAN WAREHOUSE	12.1	12.4	12.7	103
7724	LAND 0 NAN WAREHOUSE	12.1	12.5	11.9	102
	13 35 20M				
5921	LAND 0 NAN WAREHOUSE	9.8*	25.7*	29.7	86*
	MURIATE OF POTASH				
7804	MORGANFIELD HARDWARE COMPANY			60.0	100
<u>LOUISVILLE FERTILIZER COMPANY</u>					
	4 16 16M				
5770	TICHENOR BROTHERS GROCERY	4.0	16.4	16.1	102
	5 10 15S				
5869	RATLIFF HARDWARE COMPANY	5.0	10.3	14.3*	100
	6 8 6M				
5771	TICHENOR BROTHERS GROCERY	5.9	9.1	5.9	105



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>LOUISVILLE FERTILIZER CO CONTINUED</u>					
7829	6 12 12M WITH 0025 HEPTACHLOR YOPP SEED COMPANY (1)	6.0	12.1	11.6*	100
7828	SUPERPHOSPHATE YOPP SEED COMPANY		19.7		98*
<u>MATHIESON CHEMICAL CORPORATION</u>					
5852	NITRATE OF SODA A C BUTTS & SON	162			101
<u>MID SOUTH CHEMICAL COMPANY</u>					
7331	ANHYDROUS AMMONIA PARKS GARAGE	82.0			100
7332	BACHMAN IMPLEMENT COMPANY	82.0			100
7335	UNION TRACTOR COMPANY	82.0			100
7337	TALMADGE SHELTON	82.0			100
7339	MAYFIELD MILLING COMPANY	82.0			100
7340	LONG CONCRETE COMPANY	82.0			100
7341	ELLIS POPCORN COMPANY	82.0			100
7342	J M TOWLER	82.0			100
7343	CHESTER B STAHL & SON	82.0			100
7344	WEST KENTUCKY LIQUID FERTILIZER CO	82.0			100
7346	JOE BOGLE	82.0			100
<u>MISSISSIPPI CHEMICAL CORPORATION</u>					
5620	AMMONIUM NITRATE COOPER SEED & FEED STORE	33.7			101
7749	WARDS SELF SERVICE FEED & SEED	33.4			100
8576	GILLISPIE SEED COMPANY	34.0			101
<u>MISSISSIPPI RIVER CHEMICAL COMPANY</u>					
5653	AMMONIUM NITRATE CALLOWAY CO SOIL IMPROVEMENT ASSN	33.9			101
5839	T C EDWARDS	33.7			101
<u>MISSOURI PLANT FOOD COMPANY INC</u>					
7832	3 12 12M COOPER SEED & FEED STORE	35	122	12.1	104
7985	4 12 8M BURGESS BROTHERS IGA	4.1	12.0	8.7	102
5623	5 10 15S COOPER SEED & FEED STORE	5.0	10.1	14.9	100
7833	COOPER SEED & FEED STORE	5.0	10.2	15.0	101
7986	BURGESS BROTHERS IGA	5.0	10.2	15.0	101
7996	5 20 20M LOVELACEVILLE FEED MILL	4.8	20.0	20.1	99

(1) ALDRIN GUARANTEED 0.25%----FOUND 0.20%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>MISSOURI PLANT FOOD CO INC CONTINUED</u>					
7997	10 20 20M LOVELACEVILLE FEED MILL	9.6*	20.6	21.5	102
7834	12 12 12M COOPER SEED & FEED STORE	12.7	12.0	11.8	103
5622	15 15 15M COOPER SEED & FEED STORE	15.0	15.2	15.0	100
7825	YOPP SEED COMPANY	14.9	16.1	15.0	102
7831	SULFATE OF POTASH COOPER SEED & FEED STORE			51.0	102
5621	MURIATE OF POTASH COOPER SEED & FEED STORE			60.0	100
5841	BUGG BROTHERS FEED & SUPPLY COMPANY			60.0	100
<u>MONSANTO CHEMICAL COMPANY</u>					
5614	AMMONIUM NITRATE TRIGG COUNTY TRADING COMPANY	33.9			101
7070	REXROAT SUPPLY COMPANY	33.5			100
8404	ARVIN MCCAIN	33.8			101
9085	SPEARS KISER COMPANY	33.7			100
<u>MORRISON FARM SERVICE</u>					
9892	5 10 5M LIQUID MORRISON FARM SERVICE	5.7	14.8	5.3	130
<u>NORTH AMERICAN FERTILIZER COMPANY</u>					
8419	0 12 12M STANLEY AVERY		13.0	12.4	107
6351	0 20 20M FROMAN FRY		19.9	19.2*	98*
6690	R L BAILEY & SONS		19.3*	20.2	98*
6691	TATE BIRD		19.1*	20.1	97*
6892	GEORGE FREMD JR		20.3	20.2	101
7874	R D SANDERFUR		20.1	19.4*	99
9457	WOODFORD SPEARS & SONS		18.8	20.9	98*
9620	WOODFORD SPEARS & SONS		20.0	20.4	101
8643	0 20 20M WITH 5 LBS BORAX PER 100 <sup>(1)</sup> E L POORE		21.7	18.7*	104
9619	WOODFORD SPEARS & SONS		20.0	21.7	103
8428	2 12 6M YOUNG SEED HOUSE	3.1	11.4*	8.2	112
8684	FURKIN BROTHERS	2.7	11.7	7.4	108
8708	PACES MARKET	2.3	11.7	6.8	103
6661	3 9 6M MILLERS HARDWARE & FEED STORE	3.7	9.1	7.5	112
7125	RENFRO SUPPLY COMPANY	3.1	8.3*	6.3	98*
8634	EARL ADKISSON	3.0	9.0	6.3	101
9863	YOUNG SEED COMPANY	3.2	8.7*	6.3	101

(1) SEE BORON TABLE PAGE 76



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>NORTH AMERICAN FERT CO CONTINUED</u>					
6350	3 12 12M FROMAN FRY	3.1	11.5*	12.4	99
6458	W T FORSEE & SONS	3.3	11.3*	12.3	100
6503	GAYLE RODGERS	3.0	11.6*	12.4	99
6888	HANCOCKS FEED STORE	3.0	11.2*	13.6	100
8706	PACES MARKET	3.2	11.9	12.2	101
8858	DURHAM HARDWARE	3.1	11.7	12.2	100
9441	ATKINSON FARM SUPPLY	3.5	11.3*	13.0	102
8734	3 12 12M WITH 5 LBS BORAX PER 100 <sup>(1)</sup> W R JACKSON	3.0	11.0*	11.9	95*
9627	4 8 12S EARL KENDALL	4.0	8.1	12.1	101
6504	4 12 8M GAYLE RODGERS	3.8	11.1*	9.1	97*
6708	DAVIS BROTHERS	4.0	11.2*	8.4	97*
6724	PLEASUREVILLE SUPPLY	4.0	11.8	8.9	101
6772	KENTUCKY STATE COLLEGE	4.2	12.2	8.7	104
6891	ALCORN'S FEED STORE	3.9	11.1*	9.1	98*
8430	R D REYNOLDS	4.1	10.6*	8.7	96*
8705	PACES MARKET	4.1	11.7	8.7	101
8741	SIMPSON MILL	4.1	11.4*	8.2	98*
9862	YOUNG SEED COMPANY	4.0	10.9*	8.8	97*
6564	4 16 16M DON V DRYE	4.1	15.7	16.5	100
7879	5 10 10M RAYMOND TATUM	5.0	10.4	10.6	103
7900	W J EDGE	5.0	9.5*	12.7	104
8498	MONROE FEED & FARM SUPPLY	4.6*	11.1	9.7	102
8685	FURKIN BROTHERS	4.8	10.0	10.5	100
8707	PACES MARKET	4.4*	9.8	10.9	97*
8732	W R JACKSON	4.9	9.9	12.4	104
5881	5 10 15S ROBERT STOVALL	5.1	10.0	15.1	101
5977	JAMES A LOGSDON	4.9	10.5	15.2	102
6320	ALCORN'S FEED STORE	5.1	9.9	15.0	100
6349	FROMAN FRY	5.1	9.9	15.1	100
6419	T W DUNCAN HARDWARE	5.0	10.0	15.4	101
6459	W T FORSEE & SONS	5.0	10.0	15.9	102
6474	RAINBOW COAL COMPANY	5.0	10.2	15.0	101
6505	GAYLE RODGERS	5.1	9.8	15.2	100
6535	LESLIE SAMPLES & SON	4.9	10.2	15.2	101
6678	HERBERT MCCLAIN	5.1	9.6*	16.1	101
6701	WILLIAM G WILLIS	5.0	10.2	15.4	102
6709	DAVIS BROTHERS	4.9	10.0	15.5	100
7123	FREEMAN YOUNG FARM SERVICE	5.0	9.9	15.4	100
7882	RAYMOND TATUM	5.0	10.2	15.0	101
8418	STANLEY AVERY	5.0	9.9	15.2	100
8591	R D REYNOLDS	5.0	10.1	15.0	100
8683	FURKIN BROTHERS	4.9	10.5	15.0	101
8857	DURHAM HARDWARE	5.0	10.1	14.7 <sup>(2)</sup>	100
9440	ATKINSON FARM SUPPLY	4.8	10.4	15.0	100
9819	SIMPSON MILL	5.1	10.1	15.0	101
9838	FARMERS FEED MILL BURKESVILLE	5.0	10.2	15.0	101
5882	5 20 20M ROBERT STOVALL	5.2	21.5	20.0	105
6414	GEORGE FREMD JR	4.9	20.1	20.1	100
6692	TATE BIRD	5.1	18.8*	20.0	97*
8740	SIMPSON MILL	5.3	21.5	19.9	105
6416	6 6 18M CENTRAL STATE HOSPITAL	6.0	6.0	18.6	101
6589	KENTUCKY STATE HOSPITAL	5.8	6.4	19.1	103
6622	KENTUCKY CHILDRENS HOME	6.0	5.9	18.6	101
8879	YOUNG SEED COMPANY	5.8	6.2	18.7	101

(1) SEE BORON TABLE PAGE 76

(2) EXCESS MURIATE EQUIVALENT TO 0.5%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>NORTH AMERICAN FERT CO CONTINUED</u>					
6 6 18S					
6332	RODNEY HEILMAN	5.5*	6.7	17.9	100
6411	GILBERT & TINGLE	5.9	6.2	18.2	101
6457	W T FORSEE & SONS	6.1	6.2	18.1	102
6694	TATE BIRD	5.7*	7.1	17.9 <sup>(1)</sup>	103
7193	FLETCHER TAYLOR & SONS	5.8	6.4	18.4	101
6 8 6M					
5978	JAMES A LOGSDON	5.9	8.2	7.7	105
6276	FAIRDALE HARDWARE COMPANY	6.1	8.0	6.4	102
6438	I L HANCOCK	6.2	8.1	6.6	104
6669	BUNTON SEED COMPANY	5.8	7.4*	6.2	96*
6771	KENTUCKY STATE COLLEGE	6.0	8.1	6.3	101
6880	BUNTON SEED COMPANY	5.6*	9.2	7.5	107
7194	FLETCHER TAYLOR & SONS	6.0	7.8	6.1	99
7881	RAYMOND TATUM	6.0	8.0	6.8	102
6 8 6S					
6304	H S GAINES	5.5*	8.6	6.4 <sup>(2)</sup>	100
6421	HANCOCKS FEED STORE	6.0	7.7*	6.8	101
6473	RAINBOW COAL COMPANY	6.2	8.3	6.2	104
6534	LESLIE SAMPLES & SON	5.8	8.4	6.6	102
7880	RAYMOND TATUM	5.9	8.3	7.2	104
8425	YOUNG SEED HOUSE	5.5*	9.2	6.9 <sup>(3)</sup>	105
8592	R D REYNOLDS	5.7*	8.6	6.5 <sup>(4)</sup>	102
8650	DURHAM HARDWARE	5.9	8.9	6.6	105
9820	SIMPSON MILL	5.7*	8.2	6.3	100
6 12 12M					
6889	HANCOCKS FEED STORE	5.8	11.3*	12.6	97*
10 10 10M					
5883	ROBERT STOVALL	9.9	10.1	10.5	101
5979	JAMES A LOGSDON	9.6*	10.0	11.2	100
6422	HANCOCKS FEED STORE	10.1	9.8	10.6	101
6437	I L HANCOCK	10.1	10.0	10.5	101
6693	TATE BIRD	10.0	10.4	10.6	102
6752	GRAVES & KENLEY	9.7	10.1	10.6	100
6773	KENTUCKY STATE COLLEGE	9.8	10.1	10.9	101
7219	FREEMAN FARM SERVICE	10.0	10.0	10.4	101
8790	MAJORS TRUCK LINE	10.1	10.2	10.6	102
8880	YOUNG SEED COMPANY	10.1	10.0	10.6	102
9818	SIMPSON MILL	10.0	10.2	10.4	101
SUPERPHOSPHATE					
6436	I L HANCOCK		19.4*		97*
6621	HANCOCKS FEED STORE		16.2*		81*
6893	GEORGE FREMD JR		20.0		100
8497	MONROE FEED & FARM SUPPLY		19.4*		97*
8647	YOUNG SEED HOUSE		20.5		102
8733	W R JACKSON		20.0		100
8789	MAJORS TRUCK LINE		20.0		100
MURIATE OF POTASH					
6590	KENTUCKY STATE HOSPITAL			60.0	100
6623	KENTUCKY CHILDRENS HOME			60.0	100
6890	ALCORN'S FEED STORE			46.8*	78*
6910	LESLIE SAMPLES & SON			51.5*	86*
9456	WOODFORD SPEARS & SONS			60.0	100
<u>OHIO VALLEY FERTILIZER CORP</u>					
0 20 20M					
9285	KELLER LAKE	20.2	21.2		103
9444	ATKINSON FARM SUPPLY	18.8*	20.1		96*
9597	E L PALMER	19.4*	20.0		98*

(1) EXCESS MURIATE EQUIVALENT TO 0.4%

(2) EXCESS MURIATE EQUIVALENT TO 1.2%

(3) EXCESS MURIATE EQUIVALENT TO 0.9%

(4) EXCESS MURIATE EQUIVALENT TO 0.8%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>OHIO VALLEY FERT CORP CONTINUED</u>					
9544	3 9 6M ROBERTS MODEL GROCERY	2.7*	9.5	6.0	100
9201	3 12 12M DOUGLAS MCLONEY	2.9	11.8	12.2	99
9427	ATLEY R ADKINS	3.2	12.2	12.1	102
9202	4 12 8M DOUGLAS MCLONEY	4.1	12.0	8.8	103
9545	ROBERTS MODEL GROCERY	4.0	11.6*	8.0	98*
9546	C R KISER & SON	4.0	11.9	8.4	100
9432	4 16 4S WITH 00.32 ALDRIN DENTON MERCANTILE COMPANY (2)	4.1	15.5*	5.3	101
9445	ATKINSON FARM SUPPLY (3)	4.1	15.5*	5.6	102
9115	5 10 10M 12TH STREET FEED STORE	4.6*	9.9	8.9*	94*
9284	KELLER LAKE	4.7*	10.0	9.7	97*
9379	MERCHANTS WHOLESALE INC	5.0	10.1	9.4*	99
9385	12TH STREET FEED STORE	5.0	10.0	9.5*	99
9452	DOUGLAS MCLONEY	4.6*	10.0	10.1	98*
9426	5 10 10S ATLEY R ADKINS	5.0	10.0	10.0	100
9439	RAYMOND STEWART	5.0	9.9	10.4	100
9203	5 10 15S DOUGLAS MCLONEY	5.0	10.3	14.5*	100
9380	MERCHANTS WHOLESALE INC	5.0	10.0	14.1*	98*
9430	EARL MURRAY	5.0	10.0	15.0	100
9433	DENTON MERCANTILE COMPANY	5.0	10.0	14.6*	99
9438	RAYMOND STEWART	5.0	10.0	15.0	100
9478	ALVA WHITE	5.1	10.0	14.6*	100
9283	5 10 20S KELLER LAKE	5.9	10.3	20.0	106
9449	DOUGLAS MCLONEY	5.0	10.1	20.0	100
9598	E L PALMER	5.1	10.4	19.5*	101
9632	DOUGLAS MCLONEY	4.9	10.3	20.1	101
9443	5 20 20M ATKINSON FARM SUPPLY	4.3*	19.0*	20.0	95*
9199	6 6 18S DOUGLAS MCLONEY	5.6*	6.4	17.6*	98*
9448	DOUGLAS MCLONEY	5.7*	6.5	17.3*	99
9425	6 8 6S ATLEY R ADKINS	5.4*	9.2	7.2 (1)	105
9477	ALVA WHITE	6.0	8.2	6.3	102
9428	6 12 12M ATLEY R ADKINS	5.3*	11.5*	12.6	95*
9450	10 10 10M DOUGLAS MCLONEY	9.9	10.2	10.0	100
9596	R C PENNINGTON	8.9*	10.9	10.1	98*
9633	DOUGLAS MCLONEY	9.4*	10.6	10.9	101
9378	12 12 12M MERCHANTS WHOLESALE INC	12.0	12.3	12.1	101
9429	ATLEY R ADKINS	12.2	12.5	12.2	103
9286	SUPERPHOSPHATE KELLER LAKE		20.1		100

(1) EXCESS MURIATE EQUIVALENT TO 0.9%

(2) ALDRIN GUARANTEED 0.32%---FOUND 0.00%

(3) ALDRIN GUARANTEED 0.32%---FOUND 0.39%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>OHIO VALLEY FERT CORP CONTINUED</u>					
9451	SULFATE OF POTASH DOUGLAS MCLONEY			50.0	100
9200	MURIATE OF POTASH DOUGLAS MCLONEY			60.0	100
9442	ATKINSON FARM SUPPLY			60.0	100
<u>PHILLIPS PETROLEUM COMPANY</u>					
5539	AMMONIUM NITRATE YOPP SEED COMPANY	33.7			101
<u>PRICE CHEMICAL COMPANY</u>					
9615	0 20 20M FOX BROTHERS		192*	21.0	99
8512	2 12 6M JOHNSON & HARRISON	3.3	10.9*	7.2	102
8849	HARDIN COUNTY MILLING COMPANY	3.1	12.9	7.1	117
9616	FOX BROTHERS	2.6	11.6*	7.0	106
6317	3 12 12M C W ASHLY & COMPANY	3.7	11.7	12.1	104
6867	STOUTTS FEED STORE	3.6	12.0	13.0	106
9136	MONARCH MILLING COMPANY	3.6	11.5*	12.1	102
6425	4 12 8M STOUTTS FEED STORE	4.1	11.7	9.3	102
6866	STOUTTS FEED STORE	4.0	12.4	8.6	103
8496	JACK SHIRLEY	4.1	11.7	8.8	101
8882	YOUNG SEED COMPANY	4.1	11.9	8.7	102
9122	MONARCH MILLING COMPANY	4.3	11.4*	9.2	102
9465	MONARCH MILLING COMPANY	4.3	11.6*	8.9	102
9508	ROSCOE MEADOWS	4.6	12.0	8.6	105
9573	ORVILLE BIRCHFIELD	4.2	12.0	8.3	102
8847	4 16 16M HARDIN COUNTY MILLING COMPANY	4.4	15.2*	15.6*	99
9161	FOX BROTHERS	4.0	16.0	16.1	100
6654	5 10 10M PRICE CHEMICAL COMPANY	5.4	9.9	11.3	105
8815	FARMERS SUPPLY COMPANY GLASGOW	5.4	10.1	10.9	105
6315	5 10 15S C W ASHLY & COMPANY	5.4	11.0	14.4*	105
6424	STOUTTS FEED STORE	5.1	10.2	15.7	103
6683	GARNETT ROACH	5.5	10.0	15.1	103
6836	J C ROBINSON	5.6	9.9	15.2	104
6865	STOUTTS FEED STORE	5.6	10.0	15.5	105
8509	JOHNSON & HARRISON	5.4	10.2	15.4	104
8730	FARMERS SUPPLY COMPANY GLASGOW	5.3	10.2	15.1	103
8848	HARDIN COUNTY MILLING COMPANY	5.5	10.2	15.4	105
9123	MONARCH MILLING COMPANY	5.6	10.9	15.0	107
9162	FOX BROTHERS	5.4	11.1	15.0	107
9368	ORVILLE BIRCHFIELD	5.5	10.0	16.0	105
9570	ORVILLE BIRCHFIELD	5.4	10.1	15.0	103
9612	M B FOX	5.5	10.1	15.5	104



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>PRICE CHEMICAL COMPANY CONTINUED</u>					
	6 6 18S				
6475	WOODFORD FEED COMPANY	6.6	8.0	16.5*(1)	109
6796	WOODFORD FEED COMPANY	6.2	6.4	18.4	104
6832	HAYDON COAL & OIL COMPANY	6.4	7.3	17.1*	106
9163	FOX BROTHERS	6.6	6.4	17.6*	105
9613	M B FOX	6.1	6.2	18.6	103
	6 8 6S				
5670	T L FORD GROCERY	6.1	7.9	7.5	104
6316	C W ASHLY & COMPANY	6.1	7.9	7.2	103
6476	WOODFORD FEED COMPANY	6.1	8.0	7.9	106
6657	VALLEY FARM STORE	6.0	9.5	6.2	108
6863	STOUTTS FEED STORE	6.1	8.2	7.5	106
8881	YOUNG SEED COMPANY	6.3	8.2	6.6	105
9135	MONARCH MILLING COMPANY	6.1	7.7*	7.5	103
9160	FOX BROTHERS	6.0	7.9	6.8	102
9367	ORVILLE BIRCHFIELD	6.1	8.0	7.3	104
9571	ORVILLE BIRCHFIELD	6.7	8.0	7.0	108
9611	M B FOX	6.2	8.2	6.9	105
	6 24 24M				
7875	R D SANDERFUR	6.4	26.9	24.5	108
9854	MCGARY BROTHERS	6.9	26.2	24.2	108
	10 10 10M				
6435	VALLEY FARM STORE	9.6*	10.8	10.6	102
6655	PRICE CHEMICAL COMPANY	9.9	10.8	10.5	103
6658	VALLEY FARM STORE	10.1	10.4	10.6	103
6864	STOUTTS FEED STORE	9.7	10.0	9.9	98*
9159	FOX BROTHERS	9.9	10.3	10.4	101
9572	ORVILLE BIRCHFIELD	10.0	10.7	10.0	102
9614	FOX BROTHERS	9.9	11.2	10.6	105
	12 12 12M				
6833	HAYDON COAL & OIL COMPANY	11.7	12.5	12.4	101
9458	BOURBON HATCHERY	11.8	12.5	12.4	101
	SUPERPHOSPHATE				
6656	PRICE CHEMICAL COMPANY		19.6		98*
6926	WOODFORD FEED COMPANY		20.3		102
8816	FARMERS SUPPLY COMPANY GLASGOW		20.0		100
9466	MONARCH MILLING COMPANY		20.2		101
	SULFATE OF POTASH				
6318	C W ASHLY & COMPANY			49.7	99
<u>RA PID GRO CORPORATION</u>					
	23 21 17M				
5602	GREEN THUMB INC	23.1	19.5*	17.0	98*
<u>ROBIN JONES PHOSPHATE COMPANY</u>					
	0 18 12 POT PHOS				
8762	C B STAHL & SONS		16.8*	12.1	95*
8952	C B STAHL & SONS		18.3	12.4	102
<u>ROTTGERINGS DISTRIBUTING COMPANY</u>					
	10 5 5M LIQUID				
7992	ROTTGERING FLOWERLAND	10.1	4.6*	5.1	99

(1) EXCESS MURIATE EQUIVALENT TO 0.5%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>F S ROYSTER GUANO COMPANY</u>					
9320	5 10 5M JAMES L HATFIELD	5.0	10.2	5.6	103
<u>SCHROCK FERTILIZER SERVICE</u>					
5783	MURIATE OF POTASH CRAFTON & DUNCAN			60.0	100
<u>O M SCOTT &amp; SONS COMPANY</u>					
5765	20 10 5M LAWN & GARDEN CENTER	20.2	10.0	5.6	101
6668	JACK DAYTON & SONS	19.8	10.9	5.0	101
9315	HILLENMEYER NURSERIES	20.0	10.7	5.6	102
<u>THE SMITH AGRICULTURAL CHEM CO</u>					
9307	4 12 4M GEORGE W HILL & COMPANY	4.9	11.9	4.9	109
9314	HILLENMEYER NURSERIES	4.2	12.1	4.3	103
9313	10 6 4M HILLENMEYER NURSERIES	10.3	7.6	5.0	114
<u>SOUTHERN STATES SEE COOP FERT SER</u>					
<u>SPENCER CHEMICAL COMPANY</u>					
5635	AMMONIUM NITRATE FARMERS COOPERATIVE MADISONVILLE	33.6			101
5788	H LEE COOPER	33.7			101
8405	ARVIN MCCAIN	33.6			100
9128	C W GREER	33.7			101
7333	ANHYDROUS AMMONIA NITROGEN SERVICE BARTLETT & O BRYAN	82.0			100
<u>STINSON FARM SUPPLY</u>					
9895	8 16 8M LIQUID STINSON FARM SUPPLY	7.7*	21.2		102
<u>SWIFT &amp; COMPANY</u>					
5671	0 25 25M E C RUMMAGE & SON		25.3	22.6*	98*
7805	MORGANFIELD HARDWARE COMPANY		24.6*	23.4*	97*



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>SWIFT &amp; COMPANY CONTINUED</u>					
5829	3 12 12M MORGANFIELD HARDWARE COMPANY	2.9	12.0	12.1	100
5904	BAKERS PHOSPHATE & FERT SERVICE	3.2	12.2	12.0	102
7928	MORGANFIELD HARDWARE COMPANY	3.3	11.9	12.4	102
6309	4 8 12S J W SETTLE FEED STORE	4.1	8.2	12.4	103
9137	MONARCH MILLING COMPANY	4.2	8.8	12.0	106
8398	4 12 8M FARMERS FEED & HDWE BOWLING GREEN	4.7	12.5	9.3	110
7826	4 12 8S YOPP SEED COMPANY	4.1	12.0	9.5	104
7942	TRIGG COUNTY TRADING COMPANY	3.9	12.0	8.1	100
8538	SHIPP SEED HOUSE	3.8	12.4	8.0	100
8648	YOUNG SEED HOUSE	3.7*	12.8	8.0	102
5672	4 16 16M E C RUMMAGE & SON	4.1	16.1	15.4*	100
5905	BAKERS PHOSPHATE & FERT SERVICE	4.2	15.9	15.4*	100
7806	MORGANFIELD HARDWARE COMPANY	4.6	17.0	16.2	107
5794	5 10 15S E C RUMMAGE & SON	5.2	10.5	15.7	105
5906	BAKERS PHOSPHATE & FERT SERVICE	5.0	10.3	15.0	101
7807	MORGANFIELD HARDWARE COMPANY	5.1	11.6	14.4*(1)	106
7835	COOPER SEED & FEED STORE	5.2	11.2	14.5*	105
8877	SHIPP SEED HOUSE	5.0	10.4	16.1	104
9447	STANLEY PENN & SONS	5.3	10.0	15.2	102
9860	SHIPP SEED HOUSE	5.2	9.9	15.5	102
5907	5 20 20M BAKERS PHOSPHATE & FERT SERVICE	4.8	19.2*	20.2	97*
7808	MORGANFIELD HARDWARE COMPANY	5.0	19.5*	20.1	99
6310	6 10 4M J W SETTLE FEED STORE	5.9	10.0	4.4	100
6484	FARMERS SUPPLY COMPANY HARRODSBURG	6.0	10.1	4.5	102
6527	MORGAN & CRENSHAW	6.4	10.0	4.4	104
9121	MONARCH MILLING COMPANY	5.7*	9.9	4.4	98*
7827	6 10 4 SULFATE & POTASSIUM NITRATE YOPP SEED COMPANY	6.4	10.4	4.1	105
9120	6 10 4M WITH 00.40 CHLORDANE MONARCH MILLING COMPANY(2)	6.2	10.6	4.5	105
5915	6 12 12M MORGANFIELD HARDWARE COMPANY	6.3	12.3	12.0	103
7949	WEST KENTUCKY SEED COMPANY	6.4	12.0	11.7	102
7987	T C EDWARDS	5.8	12.8	12.0	102
5673	6 24 24M E C RUMMAGE & SON	6.0	23.3*	21.3*	95*
7809	MORGANFIELD HARDWARE COMPANY	6.1	24.3	24.7	102
7810	8 8 8M MORGANFIELD HARDWARE COMPANY	8.3	8.5	8.7	105
7988	T C EDWARDS	7.7*	9.0	8.0	102
5795	10 10 10M E C RUMMAGE & SON	9.3*	11.5	10.2	102
5830	MORGANFIELD HARDWARE COMPANY	9.8	10.2	10.4	101
5838	T C EDWARDS	10.0	10.0	10.0	100
5908	BAKERS PHOSPHATE & FERT SERVICE	9.7	10.6	10.1	101
8678	SHIPP SEED HOUSE	9.5*	11.1	10.4	102

(1) EXCESS MURIATE EQUIVALENT TO 0.5%  
 (2) CHLORDANE GUARANTEED 0.40%----FOUND 0.60%

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>SWIFT &amp; COMPANY CONTINUED</u>					
5674	12 12 12M E C RUMMAGE & SON	11.1*	12.3	12.0	97*
5796	E C RUMMAGE & SON	11.6*	12.7	11.4*	99
7811	MORGANFIELD HARDWARE COMPANY	12.0	12.6	11.9	102
7989	T C EDWARDS	11.1*	12.8	12.0	98*
9446	STANLEY PENN & SONS	11.5*	12.3	12.0	99
5675	15 10 10M E C RUMMAGE & SON	14.2*	10.2	10.0	97*
7990	SULFATE OF POTASH T C EDWARDS			50.5	101
<u>TENNESSEE CHEMICAL COMPANY</u>					
5705	0 20 20M HARRALSON SEED COMPANY		19.1*	20.8	98*
5706	0 20 20M WITH 3 LBS BORAX PER 100 <sup>(1)</sup> HARRALSON SEED COMPANY		20.0	19.0*	98*
5707	3 12 12M HARRALSON SEED COMPANY	3.0	12.0	11.6*	99
5708	4 12 8M HARRALSON SEED COMPANY	4.0	12.0	8.9	102
5709	4 16 16M HARRALSON SEED COMPANY	4.0	16.2	16.5	102
5711	5 10 15S HARRALSON SEED COMPANY	4.9	10.1	15.4	101
5986	BROOKS SERVICE STATION	5.0	10.0	15.5	101
5712	6 8 6M HARRALSON SEED COMPANY	6.8	8.2	7.2	110
7899	6 8 6S HAMILTONS FEED MILL	5.5*	8.7	7.1 <sup>(3)</sup>	103
5713	6 12 12M HARRALSON SEED COMPANY	5.8	11.8	12.5	99
5704	SUPERPHOSPHATE HARRALSON SEED COMPANY		19.7		98*
5703	MURIATE OF POTASH HARRALSON SEED COMPANY			60.0	100
<u>TENNESSEE CORPORATION</u>					
6531	0 20 20M ICES PRODUCE		18.9*	20.0	96*
6816	ICES PRODUCE		20.1	20.0	100
7913	L B CARDEN		20.8	20.7	104
8698	FOUNTAIN RUN MILLING COMPANY		20.1	20.0	100
7284	0 20 20M WITH 10 LBS BORAX PER 100 <sup>(2)</sup> SOMERSET SEED SERVICE INC		20.2	20.4	101

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76

(3) EXCESS MURIATE EQUIVALENT TO 0.7%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
	2 12 6M				
7114	LANCASTER PRODUCE	2.1	11.9	7.5	104
8471	H R SQUIRES	2.0	11.9	6.4	101
	3 12 12M				
6538	WALTERS & THOMPSON	3.8	12.9	11.1*	107
6762	WALTERS & THOMPSON	2.9	11.4*	12.7	98*
6817	ICES PRODUCE	2.9	11.9	12.1	99
6908	WALTERS & THOMPSON	3.1	10.4*	12.1	94*
7184	DISHON CUSTOM MIXING	3.8	13.3	10.8*	108
8472	H R SQUIRES	3.3	11.9	12.2	102
9183	SPEARS KISER COMPANY	3.3	12.3	12.2	104
9586	UNION GROCERY COMPANY	3.2	12.5	12.4	104
	4 12 8M				
6568	HAYDON MILL & GRAIN COMPANY	4.0	10.8*	8.4	95*
6721	WALTER EPPERSON	3.6*	13.5	8.8	106
7084	SOMERSET SEED SERVICE INC	4.2	10.9*	8.5	98*
7089	ELLIOTTS STORE	3.9	11.4*	8.7	98*
7090	FARMERS CASH STORE	3.9	11.7	8.0	98*
7914	L B CARDEN	3.9	12.0	8.9	101
8470	H R SQUIRES	4.1	10.2*	8.4	93*
8533	H R SQUIRES	4.2	12.1	8.2	102
8626	CANN BROTHERS	4.1	12.8	9.0	107
8696	HAGAN & STONE	4.0	12.1	8.7	102
8870	I K MILLER & SON	4.1	11.2*	8.9	99
9251	STAGGS BROTHERS	3.7*	12.9	7.9	102
9340	H T ROBERTS	3.8	12.6	8.2	102
	4 12 8S				
7113	LANCASTER PRODUCE	3.8	12.0	8.5	100
	4 16 16M WITH 00.33 ALDRIN				
7283	SOMERSET SEED SERVICE INC(2)	4.0	15.7	16.0	99
	4 24 12M				
8628	CANN BROTHERS	3.9	21.9*	14.3	97*
8699	FOUNTAIN RUN MILLING COMPANY	4.0	21.8*	13.6	96*
	5 10 5M				
6409	WALTERS & THOMPSON	5.0	10.4	5.0	102
8632	CANN BROTHERS	5.0	11.0	5.4	106
9184	SPEARS KISER COMPANY	5.0	10.2	5.0	101
9250	STAGGS BROTHERS	4.7*	10.6	5.3	102
9337	H T ROBERTS	5.0	10.2	5.7	103
	5 10 10M				
6815	ICES PRODUCE	5.2	10.1	10.1	102
7915	L B CARDEN	5.3	10.2	10.3	104
8505	HAGAN & STONE	4.4*	11.1	9.8	100
8630	CANN BROTHERS	5.0	10.3	10.6	103
9114	LYND HARDWARE	4.9	10.5	10.6	103
9198	UNION GROCERY COMPANY	4.8	10.6	10.8	103
9587	UNION GROCERY COMPANY	4.8	10.7	10.0	102
	5 10 10S				
9459	SPEARS KISER COMPANY	5.0	11.7	10.1 (1)	108
	5 10 15S				
6406	WALTERS & THOMPSON	5.2	9.6*	15.0	100
6462	WALTER EPPERSON	5.1	10.3	15.0	102
6530	VICTOR E FISTER	5.2	10.2	15.0	102
6569	HAYDON MILL & GRAIN COMPANY	5.1	10.0	15.4	101
6761	WALTERS & THOMPSON	5.1	10.3	15.6	103
6907	WALTERS & THOMPSON	5.2	10.3	15.2	103
7085	SOMERSET SEED SERVICE INC	5.1	9.9	14.8	100
7088	ELLIOTTS STORE	5.4	9.4*	14.9	100
7091	FARMERS CASH STORE LIBERTY	5.1	9.9	15.0	100
7112	LANCASTER PRODUCE	5.3	9.9	15.0	101
7136	B C NORRIS	5.1	10.0	14.9	100

(1) EXCESS MURIATE EQUIVALENT TO 1.16%

(2) ALDRIN GUARANTEED 0.33%---FOUND 0.30%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

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>					
5 10 15S CONTINUED					
7916	L B CARDEN	5.0	10.7	16.1	105
8469	H R SQUIRES	4.9	10.2	15.0	100
8656	HOLMAN LEWIS	5.0	10.1	15.0	100
8695	HAGAN & STONE	5.3	9.8	15.0	101
8869	I K MILLER & SON	5.0	10.2	15.6	102
9185	SPEARS KISER COMPANY	5.1	10.1	15.2	101
9197	UNION GROCERY COMPANY	5.1	10.3	15.0	102
9249	STAGGS BROTHERS	5.0	10.2	14.9	101
9339	H T ROBERTS	5.2	10.4	15.2	103
9588	UNION GROCERY COMPANY	4.9	10.7	15.0	102
9855	COOPER BROTHERS	5.2	10.6	14.6* (1)	103
5 20 20M					
6407	WALTERS & THOMPSON	5.0	19.4*	20.0	98*
6760	WALTERS & THOMPSON	4.5*	20.2	20.2	99
7086	SOMERSET SEED SERVICE INC	5.1	20.1	20.6	101
7183	DISHON CUSTOM MIXING	4.6*	20.2	21.2	101
8508	HAGAN & STONE	4.9	19.6	19.9	98*
8697	FOUNTAIN RUN MILLING COMPANY	5.0	19.4*	20.0	98*
9000	FOUNTAIN RUN MILLING COMPANY	4.8	19.7	20.0	98*
6 8 6S					
9460	SPEARS KISER COMPANY	6.2	8.3	7.4 (2)	107
6 12 12M					
8504	HAGAN & STONE	6.1	11.9	13.0	102
10 10 10M					
6325	C S MOORE	8.2*	11.1	10.4	95*
7269	RUSSELL BUILDERS SUPPLY	9.9	10.0	10.6	101
7917	L B CARDEN	10.0	10.3	10.5	102
8473	H R SQUIRES	10.2	10.2	9.9	102
8629	CANN BROTHERS	10.2	10.1	10.1	102
9196	UNION GROCERY COMPANY	9.5*	10.5	9.8	99
9589	UNION GROCERY COMPANY	9.5*	10.4	10.5	100
9810	HAGAN & STONE	1.0	11.0	10.9	102
9858	I K MILLER & SON	10.0	10.6	10.1	102
12 12 12M					
6248	ICES PRODUCE COMPANY	12.0	12.1	12.4	101
8627	CANN BROTHERS	11.0*	12.4	12.5	98*
9338	H T ROBERTS	11.3*	12.2	13.1	99
SUPERPHOSPHATE					
6326	C S MOORE		20.7		103
8474	H R SQUIRES		20.7		103
8631	CANN BROTHERS		20.4		102
SULFATE OF POTASH					
6677	ALBERT YATES & SON			50.5	101
6909	WALTERS & THOMPSON			50.4	101
MURIATE OF POTASH					
6763	WALTERS & THOMPSON			60.0	100
<u>TRI STATE CHEMICAL COMPANY</u>					
0 20 20M					
7885	TRI STATE CHEMICAL COMPANY		16.9*	19.8	89*
7969	TRI STATE CHEMICAL COMPANY		19.7	19.9	99
0 30 30M					
7886	TRI STATE CHEMICAL COMPANY		28.8*	30.0	97*
7970	TRI STATE CHEMICAL COMPANY		23.8*	30.0	86*

(1) EXCESS MURIATE EQUIVALENT TO 0.5%

(2) EXCESS MURIATE EQUIVALENT TO 0.5%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>TRI STATE CHEMICAL COMPANY CONTINUED</u>					
7717	3 12 12M HENDERSON ELEVATOR COMPANY	3.3	12.4	12.0	104
7887	TRI STATE CHEMICAL COMPANY	3.4	12.2	11.8	103
5676	4 12 8M CRAFTON FARM SERVICE	3.9	12.0	8.8	101
7715	HENDERSON ELEVATOR COMPANY	4.2	11.6*	8.5	101
7889	TRI STATE CHEMICAL COMPANY	4.2	12.0	8.9	103
5540	4 16 16M TRI STATE CHEMICAL COMPANY	4.1	16.0	16.5	101
7888	TRI STATE CHEMICAL COMPANY	4.7	16.0	15.6*	103
7940	TRAVIS COMBS	4.5	14.8*	16.1	99
7716	5 10 10M HENDERSON ELEVATOR COMPANY	5.3	10.7	10.9	107
5541	5 10 15S TRI STATE CHEMICAL COMPANY	5.1	10.1	14.8	101
5677	CRAFTON FARM SERVICE	4.8	10.3	15.0	100
6886	FEED & FARM SUPPLY INC	4.8	10.5	14.6*	100
7802	G TAPP	5.0	10.3	14.8	101
5542	5 15 10M TRI STATE CHEMICAL COMPANY	4.9	14.9	10.3	100
7890	5 20 20M TRI STATE CHEMICAL COMPANY	4.9	20.3	20.0	100
7971	TRI STATE CHEMICAL COMPANY	4.2*	18.9*	19.2*	93*
6906	6 8 6M FARMERS SUPPLY COMPANY SHELBYVILLE	5.9	8.5	6.8	104
7891	TRI STATE CHEMICAL COMPANY	6.1	8.5	7.1	106
5543	6 12 12M TRI STATE CHEMICAL COMPANY	5.7*	12.4	12.2	100
5678	CRAFTON FARM SERVICE	5.6*	13.4	12.4	104
7892	TRI STATE CHEMICAL COMPANY	5.5*	12.4	12.4	99
6887	10 10 10M FEED & FARM SUPPLY INC	9.4*	10.8	10.1	100
7893	TRI STATE CHEMICAL COMPANY	9.9	10.2	10.1	100
7718	12 12 12M HENDERSON ELEVATOR COMPANY	11.5*	13.0	12.1	101
7894	TRI STATE CHEMICAL COMPANY	12.0	13.1	12.2	103
7973	15 0 10M FLOYD DUNBAR	12.5*		11.7	89*
7883	SUPERPHOSPHATE TRI STATE CHEMICAL COMPANY		19.5*		98*
7884	45 TRIPLE SUPERPHOSPHATE TRI STATE CHEMICAL COMPANY		43.9*		98*
7972	TRI STATE CHEMICAL COMPANY		46.5		103
5866	MURIATE OF POTASH R A NEWTON			60.0	100
7714	HENDERSON ELEVATOR COMPANY			60.0	100

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen	Available Phosphoric Acid	Potash	Percent of Relative Value Found
		(Percent)	(Percent)	(Percent)	
<u>U S PHOSPHORIC DIV TENNESSEE CORP</u>					
6780	46 TRIPLE SUPERPHOSPHATE DAWSON FEED & SUPPLY		47.6		104
<u>U S STEEL CORPORATION</u>					
9490	AMMONIUM SULFATE JULIUS & CARL FISTER	21.1			100
<u>VALLEY COUNTIES OF KENTUCKY COOP INC</u>					
	0 30 30M				
5656	VALLEY COUNTIES OF KENTUCKY COOP		31.7	26.8*	100
5895	T R AKRIDGE		29.8	30.5	100
5937	VALLEY COUNTIES OF KENTUCKY COOP		30.2	29.1*	99
	4 12 8M				
5928	LIVINGSTON COUNTY COOP SOIL IMP ASSN	4.1	12.1	8.7	103
5960	TRIGG COUNTY SOIL IMPROVEMENT COOP	4.1	11.9	8.8	102
	6 24 24M				
5862	MARSHALL CO SOIL IMPROVEMENT ASSN	4.9*	25.8	25.2	102
	8 24 16M				
7756	HUNT BROTHERS	8.2	27.6	12.6*	105
	9 18 27S				
5863	MARSHALL CO SOIL IMPROVEMENT ASSN	8.7*	18.5	28.1 (1)	101
	10 30 20M				
5538	SOUTHERN STATES CRITTENDEN COOP	10.0	30.2	19.0*	99
5657	VALLEY COUNTIES OF KENTUCKY COOP	10.2	33.3	16.5*	103
5780	FARMERS COOPERATIVE MADISONVILLE	9.7	28.8*	20.5	97*
5818	LYON COUNTY SOIL IMPROVEMENT ASSN	10.4	31.9	18.6*	103
5821	SOUTHERN STATES CRITTENDEN COOP	10.1	31.1	20.0	102
5864	MARSHALL CO SOIL IMPROVEMENT ASSN	10.2	30.5	19.8	101
5896	T R AKRIDGE	9.3*	32.7	17.1*	100
5938	VALLEY COUNTIES OF KENTUCKY COOP	9.9	30.5	19.1*	100
5961	TRIGG COUNTY SOIL IMPROVEMENT ASSN	9.7	30.5	15.6*	96*
7705	GEORGE PATMOR & SON	9.7	33.6	15.0*	101
7823	PHELPS BROTHERS FARM SERVICE	10.2	31.3	19.2*	102
7995	BALLARD COUNTY COOPERATIVE	9.9	30.9	19.3*	101
	16 16 16M				
7706	GEORGE PATMOR & SON	11.9*	20.0	19.3	99
	20 52 0				
5828	LAND O NAN WAREHOUSE	19.8	51.6		99
	AMMONIUM NITRATE				
5579	GRAVES COUNTY SOIL ASSOCIATION	33.3			99
5617	BALLARD COUNTY COOPERATIVE	33.7			101
5637	FARMERS COOPERATIVE MADISONVILLE	33.6			101
	47 TRIPLE SUPERPHOSPHATE				
7994	BALLARD COUNTY COOPERATIVE		47.1		100
	48 TRIPLE SUPERPHOSPHATE				
5724	LIVINGSTON COUNTY COOP SOIL IMP ASSN		48.9		102

(1) EXCESS MURIATE EQUIVALENT TO 0.9%



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>VALLEY COUNTIES OF KY COOP CONTINUED</u>					
CALCIUM METAPHOSPHATE					
5580	GRAVES COUNTY SOIL ASSOCIATION		62.4		101
5618	BALLARD COUNTY COOPERATIVE		63.6		103
5655	CALLOWAY CO SOIL IMPROVEMENT ASSN		62.5		101
5725	LIVINGSTON COUNTY COOP SOIL IMP ASSN		62.0		100
MURIATE OF POTASH					
5654	CALLOWAY CO SOIL IMPROVEMENT ASSN			61.2	102
5723	LIVINGSTON COUNTY COOP SOIL IMP ASSN			60.5	101
5817	LYON COUNTY SOIL IMPROVEMENT ASSN			60.0	100
<u>VICTOR CHEMICAL WORKS</u>					
10 52 17					
6744	T G SMITHER	10.8	53.0	16.9	103
9336	W J AMBURGEY	11.2	53.0	17.8	104
<u>VIRGINIA CAROLINA CHEMICAL CORP</u>					
0 20 20M					
6444	BUHNER & COMPANY		19.5*	22.4	102
7285	CUNDIFF SEED COMPANY		20.4	20.1	102
7719	HENDERSON ELEVATOR COMPANY		18.6*	20.0	95*
7876	R D SANDERFUR		20.0	19.9	100
8545	CLARKSON FEED STORE		20.3	21.0	103
8580	GILLISPIE SEED COMPANY		20.1	20.1	101
8605	VIRGINIA CAROLINA CHEMICAL CORP		20.4	21.0	103
8971	VIRGINIA CAROLINA CHEMICAL CORP		19.0*	21.0	98*
0 20 20M WITH 3 LBS BORAX PER 100 <sup>(1)</sup>					
8602	VIRGINIA CAROLINA CHEMICAL CORP		17.2*	17.7*	97*
8747	VIRGINIA CAROLINA CHEMICAL CORP		19.6*	20.0	99
8926	BIG FOUR FEED & IMPLEMENT COMPANY		19.2*	20.1	98*
8972	VIRGINIA CAROLINA CHEMICAL CORP		18.0*	20.4	94*
9873	VIRGINIA CAROLINA CHEMICAL CORP		20.2	19.2*	99
0 20 20M WITH 5 LBS BORAX PER 100 <sup>(2)</sup>					
8581	GILLISPIE SEED COMPANY		19.9	20.1	100
8621	TODD COUNTY SEED COMPANY		18.6*	20.1	96*
8856	CAVERNA FARM SERVICE		18.2*	18.4*	91*
9864	YOUNG SEED COMPANY		19.9	17.7*	96*
2 12 6M					
7214	ELFORD HAYES	2.3	11.6*	6.2	101
7944	TRIGG COUNTY TRADING COMPANY	2.8	11.7	6.8	107
8601	VIRGINIA CAROLINA CHEMICAL CORP	2.2	11.9	6.3	102
3 9 18M					
8989	AGNES DAVIS	3.0	9.1	18.0	100
3 12 12M					
5638	FARMERS COOPERATIVE MADISONVILLE	3.4	12.7	11.9	106
5992	FOX HARDWARE COMPANY	3.2	12.5	12.1	104
6361	GRIGSBY & COMPANY	3.3	13.2	12.4	108
6667	BUHNER & COMPANY	3.4	12.6	12.1	106
6813	GRIGSBY & COMPANY	3.1	12.0	12.4	102
6855	BUHNER & COMPANY	3.0	12.1	12.1	101
6913	BUHNER & COMPANY	3.0	12.2	12.1	101
7709	C H BLAKELY	3.1	12.4	12.1	103
8577	GILLISPIE SEED COMPANY	3.2	12.0	12.4	102
8595	VIRGINIA CAROLINA CHEMICAL CORP	3.2	12.6	12.5	105
8988	AGNES DAVIS	3.1	12.0	12.4	102
3 12 12 9S 3M					
8775	AGNES DAVIS	3.2	11.9	11.8	(3) 100

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76

(3) EXCESS MURIATE EQUIVALENT TO 0.4%

TABLE 1.—Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>VIRGINIA CAROLINA CHEMICAL CONTINUED</u>					
4 12 4M					
8475	U L ROGERS & SON	3.8	11.9	4.6	100
9802	JOHNSON & HARRISON	3.9	11.8	5.2	101
4 12 8M					
5720	MAXWELL FEED STORE	4.1	12.2	8.1	102
5743	HOWE HILLIARD GRAIN COMPANY	4.0	12.3	8.1	102
5800	YOUNG LUMBER COMPANY	4.0	12.8	8.5	105
5870	RATLIFF HARDWARE COMPANY	3.9	12.1	8.4	101
5892	E L BARNES & SON	3.9	12.8	8.2	103
6364	GRIGSBY & COMPANY	4.3	11.5*	8.3	100
6393	VIRGINIA CAROLINA CHEM WHSE DANVILLE	4.1	12.2	8.2	102
6563	HOGAN & MULLINS	4.1	12.3	8.2	103
6814	GRIGSBY & COMPANY	4.0	11.6*	8.3	99
6861	SHEPHERDSVILLE FEED MILL	4.0	12.5	8.5	103
6914	BUHNER & COMPANY	4.9	11.5*	8.1	104
7211	DUNNINGTON MILLING COMPANY	4.1	12.8	8.1	105
8397	FARMERS FEED & HDWE BOWLING GREEN	3.9	12.4	8.0	101
8426	YOUNG SEED HOUSE	4.0	12.0	7.9	100
8579	GILLISPIE SEED COMPANY	4.0	12.0	8.1	100
8597	VIRGINIA CAROLINA CHEMICAL CORP	4.5	12.6	8.9	108
8739	U L ROGERS & SON	4.2	12.0	8.1	102
8745	CHARLES JENKINS	4.2	12.7	8.3	105
4 12 8M WITH 0050 ALDRIN					
8970	VIRGINIA CAROLINA CHEMICAL CORP <sup>(4)</sup>	4.2	12.4	8.1	103
4 12 8 6S 2M					
8772	AGNES DAVIS	4.0	11.7	8.4	100
8991	AGNES DAVIS	4.1	12.0	8.5	102
4 16 16M					
6442	BUHNER & COMPANY	4.3	16.6	16.2	104
6857	BUHNER & COMPANY	4.4	17.3	15.2*	105
5 10 10M					
6360	GRIGSBY & COMPANY	5.0	10.8	10.7	105
6392	VIRGINIA CAROLINA CHEM WHSE DANVILLE	5.1	10.8	10.6	106
6765	SHELBY FEED & SEED COMPANY	5.0	10.4	7.4*	96*
6859	BUHNER & COMPANY	5.2	10.5	8.7*	101
6904	BUHNER & COMPANY	5.1	11.0	9.9	105
7326	PURKEY & DAVIS	5.1	10.3	8.3*	98*
8476	U L ROGERS & SON	4.9	10.4	9.9	100
8578	GILLISPIE SEED COMPANY	4.8	10.0	10.5	100
9803	JOHNSON & HARRISON	4.8	10.5	10.2	101
5 10 10S					
5993	FOX HARDWARE COMPANY	5.0	10.3	10.6	103
7720	HENDERSON ELEVATOR COMPANY	5.2	9.6*	11.2	102
8600	VIRGINIA CAROLINA CHEMICAL CORP	5.2	11.6	10.3	109
8774	AGNES DAVIS	4.8	10.1	10.0	99
8968	W M ALDRIGE	5.0	9.8	11.0	101
9836	NOEL HARVEY	4.7*	10.4	10.0	100
5 10 15S					
5801	YOUNG LUMBER COMPANY	5.0	10.3	15.0	101
5897	T K AKRIDGE	5.0	10.8	14.6*	102
6284	SHELBY FEED & SEED COMPANY	5.2	11.2	15.2	106
6363	GRIGSBY & COMPANY	5.1	11.0	15.2	105
6394	VIRGINIA CAROLINA CHEM WHSE DANVILLE	5.0	11.2	15.0	105
6561	HOGAN & MULLINS	5.0	11.1	15.0	104
6843	VIRGINIA CAROLINA CHEM WHSE DANVILLE	4.9	11.7	14.8	106
6862	SHEPHERDSVILLE FEED MILL	5.0	10.6	15.8	104
7213	ELFORD HAYES	4.9	10.3	15.0	101
7279	DUNNINGTON MILLING COMPANY	9.6	12.5	13.0 <sup>(1)</sup>	134
7325	PURKEY & DAVIS	5.0	11.0	15.0 <sup>(2)</sup>	104
7877	R D SANDERFUR	5.0	11.0	15.0	104
8427	YOUNG SEED HOUSE	4.9	10.0	14.6*	99
8429	R D REYNOLDS	5.0	10.0	14.9	100
8444	BIG FOUR FEED & IMPLEMENT COMPANY	5.0	10.9	13.8 <sup>(3)</sup>	101

(1) EXCESS MURIATE EQUIVALENT TO 7.6%

(2) EXCESS MURIATE EQUIVALENT TO 1.6%

(3) EXCESS MURIATE EQUIVALENT TO 2.4%

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



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>VIRGINIA CAROLINA CHEMICAL CONTINUED</u>					
5 10 15S CONTINUED					
8594	VIRGINIA CAROLINA CHEMICAL CORP	5.1	10.5	15.0	103
8756	TODD COUNTY SEED COMPANY	5.1	10.2	15.2	102
8969	LYNN WEST	5.1	10.6	15.0	103
8990	AGNES DAVIS	4.8	10.4	14.9	100
9621	WOODFORD SPEARS & SONS	4.7*	10.8	15.5	102
5 10 15S WITH 00.30 ALDRIN					
7770	THURMONDS MILL (2)	5.0	10.7	15.0	103
5 20 20M					
5898	T R AKRIDGE	5.0	19.9	19.6	99
6443	BUHNER & COMPANY	5.0	20.9	20.1	103
6764	SHELBY FEED & SEED COMPANY	5.0	20.3	20.2	101
6842	VIRGINIA CAROLINA CHEM WHSE DANVILLE	4.9	21.1	18.5*	101
6856	BUHNER & COMPANY	5.4	21.5	19.9	105
6905	SHELBY FEED & SEED COMPANY	4.9	19.3*	20.0	98*
6912	BUHNER & COMPANY	5.2	23.6	14.7*	103
7277	DUNNINGTON MILLING COMPANY	5.0	21.1	20.4	103
8511	JOHNSON & HARRISON	4.9	20.3	20.0	100
8603	VIRGINIA CAROLINA CHEMICAL CORP	5.2	18.3*	18.3*	94*
8703	JOHNSON & HARRISON	5.0	21.4	20.0	104
8738	U L ROGERS & SON	5.1	20.8	19.9	102
8746	VIRGINIA CAROLINA CHEMICAL CORP	5.0	20.8	19.8	102
6 6 18M					
8596	KENTUCKY STATE PENITENTIARY	5.4*	7.6	15.5*	98*
6 6 18S					
6585	VIRGINIA CAROLINA CHEM WHSE DANVILLE	6.1	7.4	18.0 (1)	106
6 8 6M					
5721	MAXWELL FEED STORE	6.0	8.5	6.6	104
5871	RATLIFF HARDWARE COMPANY	6.2	8.6	6.4	106
5893	E L BARNES & SON	6.3	9.0	6.2	108
5899	T R AKRIDGE	6.2	8.3	6.1	103
6872	W C SIEGEL HARDWARE	5.9	8.4	8.1	107
8598	VIRGINIA CAROLINA CHEMICAL CORP	6.1	8.0	6.3	102
6 8 6S					
9837	NOEL HARVEY	5.5*	8.1	6.4	98*
6 12 12M					
5639	FARMERS COOPERATIVE MADISONVILLE	6.1	12.5	12.6	104
5744	HOWE HILLARD GRAIN COMPANY	6.0	12.6	12.1	102
6665	BUHNER & COMPANY	6.5	12.2	12.0	104
6858	BUHNER & COMPANY	6.1	12.7	11.9	103
7215	ELFORD HAYES	5.9	12.0	12.4	100
7710	C H BLAKELY	6.6	11.9	12.0	103
7878	R D SANDERFUR	6.2	12.1	13.0	103
7977	T R AKRIDGE	5.9	12.3	11.7	100
8445	BIG FOUR FEED & IMPLEMENT COMPANY	5.9	12.2	12.5	101
8522	CAVERNA FARM SERVICE	5.9	12.2	12.2	101
8607	VIRGINIA CAROLINA CHEMICAL CORP	6.2	12.2	12.6	103
8723	AGNES DAVIS	5.9	12.1	12.4	101
8850	UPTON SWEET FEED MILL	5.5*	11.2*	13.2	96*
8967	W M ALDRIDGE	6.2	12.0	12.4	102
9874	THURMOND COAL & FEED	6.1	12.3	12.1	102
6 12 18S					
8895	GILLISPIE SEED COMPANY	5.8	12.3	18.1	100
8 24 16M					
7278	DUNNINGTON MILLING COMPANY	7.9	24.0	15.8	99
8604	VIRGINIA CAROLINA CHEMICAL CORP	6.8*	18.6*	14.2*	82*
8744	VIRGINIA CAROLINA CHEMICAL CORP	8.2	23.3*	16.1	99
8855	CAVERNA FARM SERVICE	8.3	23.6	16.1	100
8966	VIRGINIA CAROLINA CHEMICAL CORP	8.6	23.7	17.1	103
8973	VIRGINIA CAROLINA CHEMICAL CORP	8.2	23.9	16.0	100

(1) EXCESS MURIATE EQUIVALENT TO 0.3%.

(2) ALDRIN GUARANTEED 0.30%---FOUND 0.15%.

TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1958  
(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Foot-  
notes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses  
shown on page 76.)

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>					
6440	8 32 0 BUHNER & COMPANY	8.6	32.6		103
5802	10 10 10M YOUNG LUMBER COMPANY	10.1	10.1	9.9	101
5994	FOX HARDWARE COMPANY	10.5	10.4	10.1	104
6362	GRIGSBY & COMPANY	10.3	10.5	10.5	104
6445	BUHNER & COMPANY	9.8	11.3	10.8	105
6562	HOGAN & MULLINS	10.2	11.2	9.4*	104
6666	BUHNER & COMPANY	10.2	10.7	10.1	104
6812	GRIGSBY & COMPANY	9.3*	10.4	10.1	98*
7212	DUNNINGTON MILLING COMPANY	9.8	10.8	10.5	103
8477	U L ROGERS & SON	9.6*	10.2	9.9	99
8599	VIRGINIA CAROLINA CHEMICAL CORP	10.0	10.1	10.3	100
8704	JOHNSON & HARRISON	10.3	10.3	11.2	105
8757	TODD COUNTY SEED COMPANY	10.1	10.1	10.4	102
9801	JOHNSON & HARRISON	10.2	10.6	10.5	104
6441	12 12 12M BUHNER & COMPANY	11.6*	13.7	11.6*	103
6911	BUHNER & COMPANY	11.7	12.5	12.4	100
7726	LAND O NAN WAREHOUSE	10.9*	12.8	12.0	98*
7830	YOPP SEED COMPANY	11.9	12.2	12.6	101
5872	AMMONIUM NITRATE RATLIFF HARDWARE COMPANY	33.5			100
5891	SUPERPHOSPHATE E L BARNES & SON		19.9		100
6586	VIRGINIA CAROLINA CHEM WHSE DANVILLE		20.2		101
6664	BUHNER & COMPANY		20.0		100
7943	TRIGG COUNTY TRADING COMPANY		20.0		100
8606	VIRGINIA CAROLINA CHEMICAL CORP		20.4		102
<u>WEST KENTUCKY LIQUID FERTILIZER CO</u>					
8962	3 9 12M LIQUID SMITH BROADBENT JR	3.8	11.0	10.5*	113
8946	3 12 12M LIQUID A C BRYANT	4.0	11.6*	9.7*	100
9867	3 12 12M LIQUID WITH 4.5 LBS BORAX (1) R T STOKES	4.5	11.9	10.3*	106
9866	3 12 12M LIQUID WITH 5 LBS BORAX (2) P H RUDOLPH	3.1	11.6*	12.0	99
8764	4 11 11M LIQUID SMITH BROADBENT	4.7	11.8	10.1*	106
9868	4 12 8M LIQUID EDWARD WOOSLEY	3.9	11.7	8.6	99
9870	ROBINSON MOTOR & IMPLEMENT COMPANY	3.9	11.5*	8.6	98*
8944	5 10 10 5M 5 PHOSPHATE LIQUID W D WATTS SR & SON	5.2	9.7	10.1	100
8948	WEST KENTUCKY LIQUID FERTILIZER CO	4.9	10.4	10.0	101
9872	SHAKER FEED & SEED	5.7	10.0	10.2	105
8965	5 10 10M LIQUID L M MCGAUHEY	5.1	10.5	9.5*	102

(1) SEE BORON TABLE PAGE 76

(2) SEE BORON TABLE PAGE 76



TABLE 1.— Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January-June, 1958

(Analyses deficient more than tolerance and relative values of 98 percent or less are indicated by asterisk. Footnotes show amount of pesticide found and amount of excess muriate when sulfate guaranty is not met. Boron Analyses shown on page 76.)

Sample Number	Manufacturer, Grade, From Whom Obtained	Nitrogen (Percent)	Available Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<i>WEST KENTUCKY LIQUID FERT CONTINUED</i>					
8943	5 15 10M LIQUID SMITH BROADBENT JR	5.2	15.1	10.8	103
8959	WYLIE BROWN	5.4	14.8	10.2	102
8941	6 18 6M LIQUID SHAKER FEED & SEED	5.8	18.3	5.7*	100
8958	J R REDD & SON	5.5*	16.2*	6.5	92*
9869	SMITH BROADBENT JR	6.1	17.5*	5.2*	98*
8963	6 18 9M JESSE CAMERON & W H WILLIAMS	5.4*	16.2*	9.5	92*
8945	8 16 4M LIQUID W D WATTS SR & SON	9.9	15.0*	3.2*	105
8763	8 24 0 LIQUID WEST KENTUCKY LIQUID FERTILIZER CO	8.6	22.2*		98*
8949	WEST KENTUCKY LIQUID FERTILIZER CO	7.8	22.6*		95*
8961	G C SMITH	7.8	22.9*		96*
9865	SMITH BROADBENT JR	7.8	22.6*		95*
9880	WEST KENTUCKY LIQUID FERTILIZER CO	7.8	23.9		99
8767	10 10 10M LIQUID ERNEST GARRELL	10.4	10.2	9.4*	102*
9879	PAT MARTIN	9.7	10.8	9.4*	100
8766	10 20 0 LIQUID RANDOLPH CHESTER	10.0	19.8		99
8960	10 30 0 SMITH BROADBENT JR	9.3*	27.9*		93*
8978	15 7 7M LIQUID C C WALTON	7.5*	7.4	7.5	68*
9871	15 10 5M LIQUID H A HAMPTON	14.9	10.0	5.6	100
8947	15 15 0 GEORGE ORR	14.0*	14.4*		94*
8765	16 12 0 LIQUID H A HAMPTON	16.3	11.3*		99
8942	20 8 0 LIQUID A J GRAY	19.4*	8.3		98*
8977	20 10 0 LIQUID SAM W HOPSON	16.3*	10.3		87*
8964	URAN COCKRELL BROTHERS	28.4			101

TABLE 2 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tricalcium Phosphate, January-June, 1958

(Analyses deficient more than tolerance shown on page 6 and relative value of 98 percent or less indicated by asterisk.)

Station Number	Manufacturer, Brand Name and From Whom Obtained	Phosphoric Acid		Percent of Relative Value Found		
		Available	Total			
		Guar. Found (Percent)	Guar. Found (Percent)			
<u>AMERICAN AGRICULTURAL CHEMICAL COMPANY</u>						
	Rock Phosphate					
9636	Bi-County Farm Bureau Cooperative	3.0	3.9	31.0	31.6	102
<u>AMERICAN CYANAMID COMPANY</u>						
	Rock Phosphate					
7918	Southern States Owensboro Coop.	3.0	3.6	31.0	33.6	108
<u>INTERNATIONAL MINERALS &amp; CHEMICAL CORPORATION</u>						
	Rock Phosphate					
9365	J. A. Oldfield	3.0	3.6	30.0	30.2	101
9568	Woolcott Mills	3.0	4.6	33.0	32.6	99
<u>ROBIN JONES PHOSPHATE COMPANY</u>						
	Rock Phosphate					
5687	Nebo Mill	3.0	2.6	30.0	31.0	103
5982	M. F. Bryant & Sons Milling Co.	3.0	3.0	30.0	30.3	101
7938	J. B. Wright	3.0	2.8	30.0	29.7	99
<u>RUHM PHOSPHATE &amp; CHEMICAL COMPANY</u>						
	Rock Phosphate					
5528	Bakers Phosphate & Fertilizer Ser.	3.0	2.9	30.0	31.1	104
5900	Bakers Phosphate & Fertilizer Ser.	3.0	2.8	30.0	28.9*	96*
7812	Bakers Phosphate & Fertilizer Ser.	3.0	3.4	30.0	29.8	99
7813	Bakers Phosphate & Fertilizer Ser.	3.0	3.0	30.0	30.3	101
7939	J. B. Wright	3.0	3.3	30.0	30.0	100
<u>SCHROCK FERTILIZER SERVICE</u>						
	Rock Phosphate					
5782	Crafton, Duncan & Sinkhorn	---	---	33.0	33.2	101
<u>THOMPSON SALES COMPANY</u>						
	Soft Phosphate with Colloidal Clay					
5859	H. H. Spahr	2.0	2.5	20.0	21.4	107
5946	Ellis Popcorn Company	2.0	4.0	20.0	19.0*	95*



TABLE 3 - Analyses of Inspection Samples of Bones, Dried Manures, etc., January-June, 1958

(Analyses deficient more than tolerance shown on page 6 and relative values of 98 percent or less indicated by asterisk.)

Station Number	Manufacturer, Brand Name and From Whom Obtained	Nitrogen (Percent)	Total Phosphoric Acid (Percent)	Potash (Percent)	Percent of Relative Value Found
<u>ARMOUR FERTILIZER WORKS</u>					
	2.3-23.0-0 Bone Meal				
7244	Wilder's Store	3.0	25.2	----	116
<u>CONSOLIDATED CHEMICAL INDUSTRIES</u>					
	4-20-0 Bone Meal				
6916	Bunton Seed Company, Inc.	4.4	24.2	----	110
<u>COOPERATIVE SEED &amp; FARM SUPPLY SERVICE</u>					
	2.3-20-0 Bone Meal				
7926	Southern States Owensboro Coop.	2.4	26.8	----	124
<u>CHICAGO STOCKYARD COMPOST COMPANY</u>					
	1.75-1.50-1.25 Organic Plant Food				
5781	Lawn & Garden Center	1.7	1.5	2.2	106
<u>ROTTGERING DISTRIBUTING COMPANY</u>					
	3.5-2.5-1.4 Organic Plant Food				
7991	Rottgering Flowerland	4.2	3.1	1.7	121

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

Page	Sample	Boron Guaranteed	Boron Found
9	6373	0.57	0.55
	9144	0.57	0.56
	9328	0.57	0.53
	9638	0.50	0.40
11	6799	0.56	0.56
	6333	0.57	0.64
12	9813	0.34	0.44
	6732	0.57	0.48
	9436	0.57	0.57
	8994	0.56	0.46
	9475	0.57	0.78
21	6712	0.23	0.29
	6735	0.30	0.35
	6491	0.57	0.51
	6582	0.57	0.58
	9212	0.57	0.45
24	6874	1.00	1.00
28	6369	0.45	0.42
	6404	0.45	0.52
	6483	0.45	0.51
	6625	0.45	0.45
	6757	0.45	0.42
	6802	0.45	0.47
	6818	0.45	0.43
	6927	0.45	0.45
	7187	0.45	0.53
	7272	0.45	0.46
	8523	0.45	0.47
	8645	0.45	0.34
	8852	0.45	0.42
	8867	0.45	0.46
	8902	0.45	0.37
	8997	0.45	0.42
	9103	0.45	0.45
	9384	0.45	0.40
	9470	0.45	0.45
	9498	0.45	0.49
	9548	0.45	0.44
9563	0.45	0.46	
9634	0.45	0.49	
9804	0.45	0.39	
9846	0.45	0.42	
9856	0.45	0.45	
9891	0.45	0.40	
9894	0.45	0.42	
9896	0.45	0.42	
9897	0.45	0.41	
9898	0.45	0.42	
9899	0.45	0.41	
34	8888	0.34	0.31
	5969	0.57	0.43
	6451	0.57	0.54
	6549	0.57	0.46
	6633	0.57	0.63
	7318	0.56	0.66



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

Page	Sample	Boron Guaranteed	Boron Found
38	8936	0.57	0.74
39	7322	0.57	----
	8612	0.56	0.51
	8761	0.56	0.55
	9605	0.57	0.46
	8000	0.45	0.77
	8716	0.45	0.40
46	8737	0.57	0.45
	9825	0.57	0.45
51	6480	0.34	0.39
56	8643	0.56	0.48
	9619	0.56	0.51
57	8734	0.56	0.59
64	5706	0.34	0.34
	7284	1.13	1.15
69	8602	0.34	0.38
	8747	0.34	0.49
	8926	0.34	0.50
	8972	0.34	0.31
	9873	0.34	0.15
	8581	0.57	0.51
	8621	0.57	0.52
	8856	0.57	0.43
72	9864	0.56	0.47
	9867	0.56	0.52
	9866	0.56	0.63

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