

# ANALYSES OF OFFICIAL FERTILIZER SAMPLES

by the

FEED AND FERTILIZER DEPARTMENT

KENTUCKY AGRICULTURAL EXPERIMENT STATION

Semi-Annual Report

January-June, 1953



UNIVERSITY OF KENTUCKY, LEXINGTON

## Regulatory Bulletin 109

2 TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, January - June, 1953

Analyses deficient by more than one-fourth of one percent and relative values deficient by more than \$1.00 per ton are underlined. When guaranty for sulfate was not met, the amount of excess muriate is given on pages 46 and 47

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
ALLIED CHEMICAL AND DYE CORPORATION				
Nitrogen Division, New York, New York				
Nitrogen Division, Hopewell, Virginia				
20.5% Ammonium Nitrate Limestone				
1262 Casteel Hardware, E. Bernstadt	21.16	---	---	103.2
1618 Southern States Cooperative, Bowling Green	21.00	---	---	100.8
16% Nitrate of Soda				
1263 Kidd Brothers, E. Bernstadt	16.04	---	---	100.2
1359 Manchester Grocery, Manchester	16.32	---	---	102.0
AMERICAN AGRICULTURAL CHEMICAL COMPANY				
Cincinnati, Ohio				
10-6-4 (Muriate)				
1890 J. H. Fedders, Inc., Covington	9.82	6.70	4.89	103.8
6-10-4 (Muriate)				
1891 J. H. Fedders, Inc., Covington	<u>5.66</u>	10.60	4.14	100.8
6-8-6 (Sulfate)				
1185 J. W. Davidson Hardware, Science Hill	5.99	8.65	6.32	104.0
1459 C. P. Houchens, Mt. Olivet	5.95	8.35	6.30	102.1
1619 Lemons Brothers, Cynthiana	6.07	8.00	6.38	101.5
1767 Walters and Thompson, Shelbyville	6.19	8.05	6.34	102.5
1892 Millersburg Coal and Lumber Co., Millersburg	6.14	8.50	6.24	104.2
1893 Crab Orchard Hardware, Crab Orchard	6.17	8.10	6.30	102.5
5-10-15 (Sulfate)				
1141 Ravenna Grocery, Ravenna	4.94	10.00	15.40	100.4
1142 Baughman Milling Co., Stanford	5.07	10.10	15.51	101.8
1264 Carroll County Farm Bureau Co-op., Carrollton	4.90	10.20	15.20	100.6
1328 Woodford Spears & Sons, Paris	5.02	9.85	15.22	100.5
1470 C. P. Houchens, Mt. Olivet	4.99	10.05	15.20	100.5
1471 Bradley's Grocery, Moorefield	5.03	10.10	15.31	101.6
1620 Lemons Brothers, Cynthiana	5.08	10.00	15.49	101.5
2014 Snook Kendall, Bagdad	5.05	9.90	15.00	99.9
2116 W. E. Scott, Danville	4.77	10.00	15.24	100.3
5-10-10 (Muriate)				
1186 J. W. Davidson Hardware, Science Hill	<u>4.70</u>	10.65	<u>9.48</u>	99.7
5-9-6 (Muriate)				
1894 J. H. Fedders, Inc., Covington	5.00	9.50	6.80	104.6

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts --- Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>THE AMERICAN AGRICULTURAL CHEMICAL COMPANY (Cont'd)</b>				
Cincinnati, Ohio				
4-12-8 (Sulfate)				
1143 Ravenna Grocery, Ravenna	4.08	12.00	8.26	101.1
1187 Coffey's Store, Yosemite	4.02	12.00	8.33	100.9
1188 J. W. Davidson Hardware, Science Hill	4.07	12.10	8.20	101.4
1265 Walters and Thompson, Shelbyville	4.08	11.90	8.41	101.0
1336 Woodford Spears and Sons, Paris	4.07	11.95	8.27	100.9
1472 C. P. Houchens, Mt. Olivet	3.99	12.00	7.98	99.9
1473 Hardware and Supply Company, North Middletown	4.08	11.95	8.44	101.4
1895 Bedford and Tuttle, Winchester	4.11	11.95	8.24	101.1
2117 Lebanon Carriage and Implement, Lebanon	4.14	12.30	8.07	102.5
4-8-12 (Sulfate)				
2118 Millersburg Coal and Lumber Co., Millersburg	3.95	8.70	<u>11.25</u>	101.2
3-12-12 (Muriate)				
1189 J. W. Davidson Hardware, Science Hill	3.08	11.75	12.11	99.7
1266 Walters and Thompson, Shelbyville	3.07	11.90	12.29	100.7
1621 A. T. Hayes and Sons, Glendale	3.27	11.90	11.99	101.3
1896 J. H. Fedders, Inc., Covington	2.98	11.80	12.09	99.2
1897 Roberts Brothers, Burlington	3.03	11.90	12.85	101.6
2119 Lebanon Carriage and Implement Company, Lebanon	2.85	11.90	12.18	99.0
2120 Millersburg Coal and Lumber Co., Millersburg	3.10	11.90	11.93	100.1
3-9-6 (Muriate 3, Sulfate 3)				
1898 John A. Sheehan, Falmouth	3.16	9.40	6.52	105.4
2-12-6 (Muriate)				
1768 Walters and Thompson, Shelbyville	2.26	<u>11.60</u>	7.40	103.8
2-12-6 (Muriate)				
1899 Crab Orchard Hardware and Lumber Co., Crab Orchard	1.93	<u>10.90</u>	6.68	<u>95.4</u>
1900 John A. Sheehan, Falmouth	2.19	<u>11.25</u>	6.35	<u>98.4</u>
2121 Wilson Grocery, Parksville	2.24	11.95	6.23	102.4
2122 Lebanon Carriage and Implement, Lebanon	2.22	11.75	6.30	101.3
0-12-12 (Muriate)				
2123 J. W. Davidson Hardware, Science Hill	-----	12.30	12.44	102.9
0-10-20 (Muriate)				
1144 Baughman Milling Co., Stanford	-----	10.25	19.80	100.8

TALBE 1 - Analyses of Inspection Samples of Mixed Fertilizers,  
Superphosphates, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
THE AMERICAN AGRICULTURAL CHEMICAL COMPANY (Cont'd) Cincinnati, Ohio				
18% Superphosphate				
1145 C. P. Houchens, Mt. Olivet	----	17.88	----	99.3
1622 Douglas McLoney, Cynthiana	----	18.50	----	102.8
1901 John A. Sheehan, Falmouth	----	19.15	----	106.4
20.5% Ammonium Nitrate Limestone				
2126 M. E. Scott, Danville	21.00	----	----	102.4
50% Sulfate of Potash				
1190 Coffey's Store, Yosemite	----	----	50.44	100.9
AMERICAN CYANAMID COMPANY New York, New York				
33.5% Ammonium Nitrate				
1103 Creech and Son, South Corbin	33.68	----	----	100.5
1115 Caulk Hardware Co., Campbellsville	33.84	----	----	101.0
1191 Jasper Produce Co., Science Hill	33.84	----	----	101.0
1252 West Liberty Cut - Rate Grocery, West Liberty	33.52	----	----	100.1
1267 Homer Patrick, Ezel	34.04	----	----	101.6
1623 Agee's Farm Supply, Mt. Sterling	33.60	----	----	100.3
1624 Greens Department Store, Sandy Hook	33.56	----	----	100.2
1902 Penn Mercantile Company, Mannsville	33.68	----	----	100.5
20% Cyanamid				
1360 Grayson Milling Company, Grayson	20.40	----	----	102.0
ARMOUR FERTILIZER WORKS Cincinnati, Ohio Jeffersonville, Indiana Nashville, Tennessee				
12-12-12 (Muriate)				
1329 S. E. Hale and Son Hardware, Greenville	<u>11.34</u>	11.90	12.26	<u>97.3</u>
10-10-10 (Muriate)				
1769 Princeton Mill, Princeton	<u>9.52</u>	10.00	10.11	<u>97.8</u>
1770 S. A. Hill, Burgin	<u>9.30</u>	10.30	10.40	<u>98.2</u>
1903 Sam Ryle, Burlington	<u>10.00</u>	9.80	10.43	<u>100.0</u>
2015 C. T. Ashley, Nicholasville	<u>9.34</u>	10.40	10.30	<u>98.5</u>

Table I Analyses of Inspection Samples of Mixed Fertilizers, Superphosphates, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
<b>ARMOUR FERTILIZER WORKS (Cont'd)</b>				
Cincinnati, Ohio				
Jeffersonville, Indiana				
Nashville, Tennessee				
10-8-6 (Muriate)				
1771 S. A. Hill, Burgin	<u>9.40</u>	8.55	7.50	101.5
1772 Cave City Ice and Coal Co., Cave City	<u>9.30</u>	8.30	7.74	100.5
8-8-8 (Muriate)				
1773 Princeton Mills, Princeton	8.26	8.64	9.14	106.7
6-8-6 (Muriate)				
1330 S. E. Hale and Son Hardware, Greenville	6.06	8.30	6.57	103.4
6-8-6 (Sulfate)				
1111 Anderson and Spilman, Danville	5.92	8.50	5.98	114.4
1146 Peoples Ice and Coal Co., Smiths Grove	5.82	8.15	6.11 <sup>1</sup>	99.7
1192 Bonnierville Hardware Co., Bonnierville	6.09	8.00	5.88	100.4
1193 Brown's Auto Electric, West Liberty	<u>5.24</u>	8.05	6.11	<u>94.8</u>
1268 Scotts Grocery Service Station, Long Ridge	5.75	8.20	6.22	99.7
1331 Brent and Company, Paris	6.01	8.10	6.30	101.3
1361 Greenup Farmers Supply, Greenup	6.06	8.10	6.14	101.3
1362 Comargo Farmers Supply, Comargo	6.08	8.00	6.26	101.2
1474 N.S. Dudley and Son, Flemingsburg	6.04	8.15	6.01	101.1
1625 John B. Penn, Georgetown	<u>5.59</u>	8.40	6.50	100.2
1626 Saufley and Bell, Stanford	<u>5.81</u>	8.20	6.19	100.0
1774 Smith Implement Co., Waddy	<u>5.56</u>	8.90	6.86 <sup>2</sup>	103.4
1775 Grabmyer's Lumber and Coal Co., Carrollton	6.00	8.10	6.61	102.0
1776 Robert Nunn, Center	5.94	8.90	6.01	104.1
1777 Truman Hollinsworth & Co., Tompkinsville	<u>5.58</u>	8.60	7.04 <sup>3</sup>	102.4
1778 Princeton Mills, Princeton	<u>5.54</u>	9.50	6.61 <sup>3</sup>	108.1
1904 Keller Hay and Grain Co., Newport	5.84	8.50	6.55	102.7
5-20-20 (Muriate)				
1332 S. E. Hale and Son Hardware, Greenville	4.97	<u>18.85</u>	21.94	99.4
5-10-16 (Sulfate)				
1116 Farmers Union Supply, Versailles	4.80	10.80	<u>15.12</u>	100.2

TABLE 1 -Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
ARMOUR FERTILIZER WORKS (Cont'd)				
Cincinnati, Ohio				
Jeffersonville, Indiana				
Nashville, Tennessee				
5-10-16 (Sulfate) (Cont'd.)				
1194 Sphar and Company, Winchester	4.86	9.90	16.23	99.2
1269 Willoughby Supply, Richmond	5.03	10.30	16.38	102.1
1270 S. A. Hill, Burgin	5.15	10.15	15.99	101.4
1333 Brent and Co., Paris	4.98	10.00	16.23	100.3
1363 J. A. Bennett Hardware, Taylorsville	4.85	10.10	15.51	98.5
1364 Jerome Glass, Grayson	5.12	10.20	15.28	100.1
1475 Smith and Jackson, Cropper	4.97	10.15	15.95	100.3
1476 Carlisle Mill and Supply Co., Carlisle	5.12	10.50	16.12	102.9
1627 John B. Penn, Georgetown	5.03	10.10	16.11	100.8
1628 C. C. Implement Co., Glendale	4.75	10.60	15.43 <sup>4</sup>	99.8
1779 Thompson Wholesale Grocery, Boonesville	4.94	10.45	16.19	101.8
1780 James Taylor, Frankfort	5.00	10.05	15.68	99.6
1781 Cecil Semones, Frankfort	4.88	10.20	16.72	101.5
1905 Sam Ryle, Burlington	4.91	10.15	16.13	100.3
1906 Keller Hay and Grain Co., Newport	5.30	9.90	16.27	101.9
2016 Carey A. Sheets, Frankfort	4.81	10.35	16.10	100.4
2017 Stanley Penn and Sons, Lexington	4.50	10.35	16.98	100.4
2382 Carey A. Smith, Frankfort	4.96	10.30	16.00	100.9
5-10-10 (Muriate)				
1195 Gilbert L. Conover, Parkers Lake	5.02	10.20	10.57	102.3
1334 S. E. Hale & Son Hardware, Greenville	5.35	9.75	11.20	103.9
1365 Louisa Supply Co., Louisa	4.97	10.00	10.32	100.5
1477 Ross Feed Co., Murray	5.02	10.90	10.14	104.4
2018 G. W. Bowling and Son, Catlettsburg	5.54	10.20	10.38	105.3
2019 H. L. Sparks and Co., North Pleasureville	5.04	10.20	10.89	103.1
2020 Myers and Clark, Ashland	5.24	9.95	10.33	102.1
5-10-10 (Sulfate)				
1112 Anderson and Spilman, Danville	5.18	10.40	10.20	116.4
1117 T. G. Smither, Bagdad	4.87	10.80	10.11	102.9
1147 E. M. Bryant, Tollsboro	4.96	10.30	9.22	99.3
1271 J. L. Beard Feed Store, Crofton	5.00	10.10	10.23	101.3
1272 S. A. Hill, Burgin	4.83	10.60	9.94	101.4
1366 Greenup Farm Supply, Greenup	5.12	10.20	9.78	101.2
1367 O'Rear Hardware, Mt. Sterling	5.06	10.20	10.40	102.2
1629 Henderson and Hardy, Shepherdsville	4.91	10.40	10.54 <sup>5</sup>	102.4

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
ARMOUR FERTILIZER WORKS (Cont'd)				
5-10-10 (Sulfate) (Cont'd.)				
1907 W. C. Dicken, Mentor	5.25	10.00	9.80	101.2
1908 Hulette Hardware Company, Williamsburg	5.15	10.00	9.93	100.8
5-10-5 (Muriate)				
1148 E. M. Bryant, Tollesboro	5.11	10.40	5.33	103.6
1630 St. Matthews Feed Store, St. Matthews	<u>4.66</u>	11.50	5.72	106.8
1631 Greens Department Store, Sandv Hook	4.99	10.30	6.53	105.2
1909 Land- O'Nan Warehouse, Sturgis	5.19	10.10	5.90	104.2
2021 Ben Williamson and Co. Ashland	5.24	10.55	5.82	106.6
4-24-12 (Muriate)				
1368 Richardson Bros. Eighty Eighty	3.97	<u>23.05</u>	12.20	<u>97.5</u>
1478 J. F. Bertram & Son, Vanceburg	4.10	24.00	11.87	100.2
4-16-16 (Muriate)				
1479 Big Four Feed and Implement Co., Scottsville	3.92	<u>15.60</u>	16.72	99.5
1910 Sam Ryle, Burlington	3.78	15.90	15.96	98.5
4-12-8 (Muriate)				
1335 S. E. Hale and Son Hardware, Greenville	4.02	12.20	8.49	102.2
1369 Louisa Supply Co., Louisa	4.07	11.85	8.00	99.8
1480 Ross Feed Company, Murray	4.01	11.75	9.21	101.7
1911 Sam Ryle, Burlington	4.25	12.00	8.30	102.4
2022 Campbell Wholesale Co., Krypton	4.13	12.30	9.50	105.6
4-12-8 (Sulfate)				
1196 Joe McBrayer, Morehead	4.12	12.10	<u>7.71</u>	100.6
1197 Cave City Ice & Coal Co., Cave City	3.91	12.33	10.75	107.1
1370 Worley and Grain, Perryville	4.00	12.40	7.99	101.8
1371 London Hardware, London	4.15	12.00	8.03	101.1
1372 O'Rear Hardware, Mt. Sterling	4.11	12.10	7.93	101.1
1632 Saufley and Bell, Stanford	4.39	12.00	8.54	103.9
1633 Henderson and Hardy, Shepherdsville	4.09	12.55	9.54	106.6
1634 Allen Coal Service, Brandenburg	4.15	12.00	8.91	103.1
1912 Sam Ryle, Burlington	4.45	12.30	8.30	105.1
2023 Felix Poole, Frankfort	4.11	12.05	9.00 <sup>6</sup>	103.2
4-12-4 (Muriate)				
1198 Truman Hollinsworth & Co., Tompkinsville	<u>3.68</u>	12.20	3.93	98.4
1782 Hinch and Company, Marion	3.81	12.30	5.23	103.2

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
ARMOUR FERTILIZER WORKS (Cont'd)				
3-12-12 (Muriate)				
1373 Check -R- Board, Ashland	3.01	11.80	12.32	99.9
1374 Blair Feed Store, Russell Springs	3.28	12.20	11.50	101.6
1375 Keith Hardware, Lebanon	3.00	11.85	12.01	99.4
1783 Cass and Cash, Broadhead	3.77	12.10	12.70	107.1
1784 Thompson Wholesale Grocery, Boonesville	3.23	12.05	13.14	104.3
1785 Hinch and Company, Marion	3.16	12.00	12.72	102.7
1913 Sam Ryle, Burlington	3.04	12.00	11.99	100.2
2024 H. L. Sparks and Co., North Pleasureville	3.04	12.30	12.22	102.1
3-12-6 (Muriate)				
1199 Gilbert Vanover, Parkers Lake	3.02	11.53	6.63	99.4
1376 Keith Hardware, Lebanon	3.17	11.95	7.45	104.8
1377 Ernest Garner, Burksville	3.18	11.95	5.93	100.9
1481 Frank L. Hinton, Plummers Landing	3.09	12.20	8.02	106.9
1635 Wrigley Mercantile Co., Wrigley	3.08	11.78	6.38	100.5
1636 Robinson Milling Co., Somerset	3.07	12.10	8.10	106.4
1637 Ewen and Palmer, Mt. Sterling	3.07	12.13	7.35	104.7
1638 Gibson Produce Co., Monticello	3.22	12.10	7.03	104.8
1914 Wallace Hardware, S. Carrollton	3.07	12.20	6.58	103.0
3-9-6 (Muriate)				
1200 Virgil Stallard, Olive Hill	2.63	8.80	6.16	95.9
1273 Watkins Wholesale Grocery, East Bernstadt	3.07	9.10	6.44	102.6
1378 Louisa Supply Co., Louisa	2.96	8.75	6.25	98.9
1482 Leslie County Grocery, Hyden	2.96	9.10	5.77	99.5
1639 Virgil Stallard, Olive Hill	3.13	9.20	6.56	104.1
1640 Robinson Milling Co., Somerset	3.06	8.95	6.16	100.7
1916 Robinson Super Market, Corbin	2.96	9.10	6.30	101.2
2025 Fountain Run Feed Store, Fountain Run	2.92	9.55	6.42	103.9
3-9-6 (Sulfate)				
1201 Virgil Stallard, Olive Hill	3.18	9.20	7.60	107.7
1483 C. T. Ashley and Co., Nicholasville	3.60	9.20	6.41	107.9
1641 Farmers Supply Co., Hodgenville	3.00	9.40	6.42	103.7
1786 W. J. Amburgey, Means	2.92	9.00	6.57	101.1
1915 Tri-State Wholesale Grocery, Middlesboro	3.17	9.40	6.60	105.8
1917 Middlesboro Wholesale Grocery, Middlesboro	3.18	9.10	6.92	105.0
2-12-6 (Muriate)				
1118 Earl H. Froedge, Summer Shade	2.10	12.25	6.16	102.7
1484 Bule Hardware Co., Horse Cave	1.95	12.20	6.00	100.7



TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts----Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
ARMOUR FERTILIZER WORKS (Cont'd)				
2-12-6 (Muriate) (Cont'd.)				
1642 Henderson and Hardy, Shepherdsville	1.96	12.20	6.21	101.4
1787 Robert Nann, Center	2.08	12.05	6.44	102.4
1918 Beckham Garland, Bimble	2.19	12.30	6.05	103.4
1919 Hinch and Co., Marion	2.19	12.05	6.60	103.5
2026 Jerome Glass, Grayson	2.12	<u>11.60</u>	6.54	100.3
0-20-20 (Muriate)				
1149 Caneyville Roller Mill, Caneyville	----	<u>19.13</u>	20.50	97.9
1202 Stewart and Co., Munfordsville	----	<u>19.15</u>	20.84	98.6
1379 Jewell and Hyden, Bardstown	----	<u>20.10</u>	<u>19.00</u>	98.7
1485 Farmers Hay and Seed Co., Smith Grove	----	19.95	20.44	100.6
1643 Brown's Auto and Electric, West Liberty	----	20.40	20.52	102.2
1920 W. D. Cunningham, Webbs Crossroad	----	<u>18.40</u>	20.44	<u>95.4</u>
0-14-14 (Muriate)				
1921 Wallace Brothers Lumber Co., Hartford	----	<u>13.05</u>	<u>13.52</u>	<u>94.3</u>
0-12-12 (Muriate)				
1337 S. E. Hale and Son Hardware, Greenville	----	12.85	12.48	106.0
1380 Earl H. Froedge, Summer Shade	----	12.47	11.86	102.2
1381 Louisa Supply Co., Louisa	----	11.75	12.26	99.3
1644 Joe Bush Farm Supply, Campbellsburg	----	11.90	12.56	101.0
1788 Forbes Hardware Co., Hopkinsville	----	12.40	12.64	104.0
1922 McWhortes Produce Co., Albany	----	12.90	12.29	105.8
2027 Jerome Glass, Grayson	----	<u>11.50</u>	12.87	99.6
45% Superphosphate				
1382 Anderson and Spillman, Danville	----	45.00	----	100.0
20% Superphosphate				
1150 Charles E. Click, Sand Gap	----	20.10	----	100.5
1151 John Spurlock, McKee	----	20.13	----	100.6
1203 J. B. Albright, Eubanks	----	20.10	----	100.5
1204 G. M. Haycraft, Leitchfield	----	20.30	----	101.5
1205 Joe McBrayer, Morehead	----	19.90	----	99.5
1274 Scotts Grocery and Service Station, Long Ridge	----	20.15	----	100.8
1338 S. E. Hale and Son Hardware, Greenville	----	20.80	----	104.0

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>ARMOUR FERTILIZER WORKS (Cont'd)</b>				
<b>20% Superphosphate (Cont'd.)</b>				
1383 J. L. O'Bryan, Greenup	----	20.20	----	101.0
1486 H. L. Sparks, North Pleasureville	----	21.50	----	107.5
1487 G. T. Cummins, Brooksville	----	20.50	----	102.5
1645 Caneyville Roller Mill, Caneyville	----	20.00	----	100.0
1646 Hancock Feed Store, Middletown	----	20.10	----	100.5
1789 Hinch and Co., Marion	----	21.00	----	105.0
1790 Cass and Cash, Brodhead	----	19.75	----	98.8
1923 W. C. Dickens, Mentor	----	20.10	----	100.5
1924 Sam Ryle, Burlington	----	20.05	----	100.3
2028 B. A. Thorpe, Kissinger	----	19.85	----	99.3
<b>50% Muriate of Potash</b>				
1384 J. A. Bennett Hardware, Taylorsville	----	----	50.44	100.9
1488 Farmers Union Supply, Versailles	----	----	53.36	106.7
1792 Salyersville Wholesale Grocery, Salyersville	----	----	51.64	103.3
1925 Terrels Grocery, Campton	----	----	52.36	104.7
<b>48% Sulfate of Potash</b>				
1119 T. G. Smithers, Bagdad	----	----	52.12 <sup>7</sup>	108.6
1385 Floyd Yates and Son, Maud	----	----	51.00	106.2
1489 Farmers Union Supply, Versailles	----	----	51.84	108.0
1490 J. F. Bertman and Son, Vanceburg	----	----	50.36	104.9
1491 Big Four Feed and Implement Co., Scottsville	----	----	49.68	103.5
1791 Smith Implement Co., Waddy	----	----	51.88	108.1
<b>MORRIS FERTILIZER COMPANY, NASHVILLE, TENNESSEE (DIVISION OF ARMOUR FERTILIZER WORKS)</b>				
<b>6-8-6 (Sulfate)</b>				
1793 Carr Grocery and General Merchandise, Kelley	<u>5.48</u>	8.10	6.70	98.4
<b>TENNESSEE CHEMICAL COMPANY, NASHVILLE, TENNESSEE (DIVISION OF ARMOUR FERTILIZER WORKS)</b>				
<b>10-10-10 (Muriate)</b>				
1317 N. T. Nuckols, Elkton	<u>9.50</u>	9.90	10.29	<u>97.6</u>
1872 N. T. Nuckols, Elkton	<u>8.98</u>	9.93	10.42	<u>95.4</u>

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
TENNESSEE CHEMICAL COMPANY, NASHVILLE, TENNESSEE (Cont'd) (Division of Armour Fertilizer Works)				
6-8-6 (Sulfate)				
1457 Servell and Company, Waterview	5.43	8.85	7.99 <sup>8</sup>	104.7
1873 Eldon Welch, Park City	<u>5.73</u>	8.20	6.25	99.6
3-12-6 (Muriate)				
1318 N. T. Nuckols, Elkton	3.21	12.10	6.11	102.4
1999 Macon Thompson, Dunmor	3.64	<u>11.40</u>	6.81	103.9
0-12-12 (Muriate)				
1874 N. T. Nuckols, Elkton	---	13.15	<u>9.96</u>	100.7
20% Superphosphate				
2000 Macon Thompson, Dunmor	---	20.30	----	101.5
2105 Farmers Elevator, Franklin	---	20.80	----	104.0
ASSOCIATED COOPERATIVES, INC., SHEFFIELD, ALABAMA				
62% Calcium Metaphosphate				
1492 Southern States Maysville Cooperative, Maysville	---	62.15	----	100.2
48% Superphosphate				
1104 Hiatt and Parsons, Wildie	---	<u>47.27</u>	----	98.5
1926 Southern States Cooperative Campbellsville	---	48.20	----	100.4
1927 C and C Hardware Company, Hartford	---	48.23	----	101.4
47% Superphosphate				
1440 Sherman Binge, London	---	47.95	----	102.0
1493 Allen County Farmers Service, Scottsville	---	47.20	----	100.4
1794 Farmers Service Store, Tompkinsville	---	47.20	----	100.4
46% Superphosphate				
1308 Pike County Hatchery, Pikeville	---	46.75	----	101.6
2029 Stewart and Company, Munfordsville	---	47.40	----	103.0
33.5% Ammonium Nitrate				
1152 Farm and Home Supply, Irvine	<u>32.96</u>	----	----	<u>98.4</u>
1494 Augusta Farm Supply, Augusta	<u>33.04</u>	----	----	<u>98.6</u>
1647 Redwin's Farmers Supply, Sandy Hook	33.52	----	----	100.1

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
<b>H. J. BAKER AND BROTHERS, NEW YORK, NEW YORK</b>				
26% Ammonium Sulphate Nitrate				
1114 E. C. Rummage and Son, Philpot	26.20	---	---	100.8
1120 W. D. Cunningham, Webbs Cross Road	26.40	---	---	101.5
1206 Gibson Produce Co., Monticello	26.20	---	---	100.8
1275 Farm Equipment Co., Bedford	26.12	---	---	100.5
1495 T. G. Smither, Bagdad	26.12	---	---	100.5
1648 John B. Penn, Georgetown	26.00	---	---	100.0
1795 W. J. Amburgey, Means	26.04	---	---	100.2
1929 Ewen and Palmer, Stanton	26.24	---	---	100.9
20.5% Ammonium Nitrate Limestone				
1649 Morrison and Wallace, Hodgenville	21.52	---	---	105.0
<b>BLUEGRASS PLANT FOODS, INC., CYNTHIANA, KENTUCKY</b>				
8-8-8 (Muriate)				
2030 L. J. Burke, Lexington	7.95	7.90	8.41	100.1
6-12-18 (Sulfate)				
2031 James Roach, Frankfort	6.13	11.00	19.34	99.6
2032 L. J. Burke, Lexington	6.20	11.75	18.34	100.7
6-8-12 (Muriate 3, Sulfate 9)				
1121 Donald Morse, Bagdad	5.87	8.20	12.34	100.8
1650 Floyd G. Barlow, Cynthiana	5.63	8.20	11.95	98.3
1651 Mountain Dew Coal Co., Lexington	5.86	8.00	12.14	99.4
1796 Salyersville Market, Salyersville	5.79	8.00	12.39	99.5
6-8-6 (Muriate)				
1276 H. T. Roberts, Frenchburg	6.06	8.05	6.04	100.8
1797 Merchants Grocery Co., Pikeville	5.78	8.10	7.45	102.5
2033 Lexington Grocery Co., Lexington	5.95	8.00	7.24	102.7
6-8-6 (Sulfate)				
1122 Donald Morse, Bagdad	6.06	8.25	6.19	102.2
1207 West Liberty Cut-Rate Market, West Liberty	6.02	8.10	6.31	101.4
1652 G. H. Nunnolley's, Inc., Georgetown	5.98	8.10	6.19	100.8
1798 Salyersville Market, Salyersville	6.12	8.00	6.44	102.0
2034 William Woodard, Hatton	6.10	8.20	6.55	103.1

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
BLUE GRASS PLANT FOODS, INC. (Cont'd)				
6-6-18 (Sulfate) 1653 Julius and Carl Fister, Lexington	5.96	6.00	18.78	101.4
4-12-4 (Muriate) 1496 Fletcher Taylor and Sons, Nicholasville	4.85	<u>11.65</u>	5.24	107.7
1654 George H. Nunnolley's, Inc. Georgetown	4.41	12.05	4.99	105.8
4-8-16 (Sulfate) 1123 Donald Morse, Bagdad	4.11	8.05	16.16	101.3
1655 Floyd G. Barlow, Cynthiana	3.98	8.10	16.24	100.9
4-8-12 (Sulfate) 1124 Maurice Cook, Hatton	4.05	8.10	12.52	102.2
1277 H. T. Roberts, Frenchburg	4.17	8.02	12.03	101.4
1656 Floyd G. Barlow, Cynthiana	4.10	8.10	13.31	104.5
3-12-12 (Muriate) 1657 Julius and Carl Fister, Lexington	3.13	11.90	12.62	101.8
0-20-20 (Muriate) 1799 H. T. Roberts, Frenchburg	---	19.90	20.92	101.2
21.5% Sulfate of Potash Magnesia 1658 Floyd G. Barlow, Cynthiana	---	---	22.60	105.1
BRADLEY AND BAKER COMPANY, NEW YORK, NEW YORK				
20.5% Ammonium Nitrate Limestone 2040 Brown Seed Cleaning Co., Bowling Green	20.60	---	---	100.5
THE BUHNER FERTILIZER COMPANY, SEYMOUR, INDIANA				
6-8-6 (Muriate) 1659 Lose Brothers, Louisville	5.95	8.00	7.48	103.3
6-8-6 (Sulfate) 1386 Rizer Brothers, Bardstown	<u>5.59</u>	8.85	6.11 <sup>9</sup>	101.4
4-12-8 (Muriate) 1930 Allison Shipp, Cambellsville	3.95	12.60	9.23	105.2
4-12-8 (Sulfate) 1660 Tarter and Chetwood, West Somerset	<u>3.67</u>	12.20	9.13	101.2

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Percent of Guarant- eed Relative Value Found
BUHNER FERTILIZER COMPANY (Cont'd)				
4-8-16 (Sulfate)				
1125 J. W. Dawson, Lawrenceburg	3.64	8.40	14.93	96.9
1387 J. W. Dawson, Lawrenceburg	3.83	7.83	16.08	98.2
1388 Springfield Feed and Grain Co., Springfield	3.61	7.95	15.03	94.9
1800 W. M. Barnes, Eagle Station	3.65	7.90	16.19	97.6
3-12-12 (Muriate)				
1661 Auburndale Feed and Lumber, Louisville	3.12	11.90	11.84	100.0
1662 Edgewood Feed and Hardware, Louisville	3.00	12.80	12.09	103.8
2035 Fister Brothers, Lexington	3.20	11.90	12.03	101.0
3-12-12 (Sulfate)				
1389 Springfield Feed and Grain Co., Springfield	3.00	11.48	12.03	97.8
3-9-6 (Muriate)				
1663 Nall Feed Store, Vine Grove	3.19	9.80	7.90	112.3
2-12-6 (Muriate)				
1390 Rizer Brothers, Bardstown	2.30	11.55	6.81	102.2
0-12-12 (Muriate)				
1664 Conn Brothers Feed Store, Clarkson	---	12.10	13.29	104.1
BURLEY BELT PLANT FOOD WORKS, LEXINGTON, KENTUCKY				
6-8-12 (Sulfate)				
1497 Southern States Cynthiana Co-op., Cynthiana	6.09	8.00	12.58	101.8
6-8-6 (Sulfate)				
1391 L. F. Wellman, Louisa	5.90	7.93	6.27	99.6
1498 Pecks Farmer's Supply Co., Sharpsburg	5.71	8.50	6.39	101.3
1665 Ormand Lewis, Pomp	5.90	8.00	6.38	100.2
5-10-16 (Sulfate)				
1105 Richmond Farm Service, Richmond	5.02	10.15	16.30	101.2
1392 L. F. Wellman, Louisa	4.97	9.40	16.82	99.1
1393 Washington Farm Service, Springfield	5.07	10.08	16.18	101.1

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>BURLEY BELT PLANT FOODS WORKS (Cont'd)</b>				
5-10-16 (Sulfate) Cont'd.				
1499 Southern States Cynthiana Co-op., Cynthiana	4.98	10.33	<u>15.41</u>	100.0
1666 Armound Lewis, Pomp	5.13	<u>9.40</u>	<u>16.00</u>	98.4
1801 Howard Smith, Frankfort	4.97	<u>9.90</u>	16.60	100.6
2758 Mack Jones, Versailles	5.40	<u>9.10</u>	<u>14.30</u>	95.5
4-12-8 (Sulfate)				
2036 Wooten Grocery, Dwarf	4.06	<u>11.55</u>	8.46	99.4
4-10-10 (Muriate)				
2037 L. F. Wellman, Louisa	4.31	<u>9.70</u>	10.54	102.1
2038 O. E. LeWallen and Co., Wilmore	3.90	9.80	11.10	101.0
3-9-6 (Muriate)				
2039 Wooten Grocery, Dwarf	3.06	8.85	5.95	99.5
50% Sulfate of Potash				
1500 Gentry McCauley, Versailles	---	---	51.60	103.2
<b>CHEMICAL FORMULATORS, NORTH CHARLESTON, WEST VIRGINIA</b>				
6-8-6 (Muriate)				
1802 Carter and Sadler Wholesale, Pikeville	5.93	7.90	<u>5.05</u>	<u>96.6</u>
5-10-15 (Sulfate)				
1667 William Riffe, Webbville	<u>3.53</u>	11.70	16.58 <sup>10</sup>	101.1
2041 Louisa Grocery, Louisa	<u>5.10</u>	11.10	<u>13.37</u> <sup>11</sup>	101.7
2548 Louisa Grocery, Louisa	<u>4.07</u>	10.00	<u>16.68</u> <sup>12</sup>	<u>97.8</u>
5-10-10 (Muriate)				
2042 Louisa Grocery, Louisa	5.27	10.00	10.71	101.6
4-12-8 (Sulfate)				
1803 Sandy Valley Grocery Co., Paintsville	<u>3.59</u>	11.90	<u>7.34</u>	<u>95.2</u>
3-9-6 (Muriate)				
1804 Carter and Sadler Wholesale Co., Pikeville	<u>2.26</u>	<u>7.60</u>	6.78	<u>87.2</u>
2043 Louisa Grocery, Louisa	3.41	<u>7.50</u>	6.46	<u>96.0</u>
<b>CHILEAN NITRATE SALES CORPORATION, NEW YORK, NEW YORK</b>				
16% Nitrate of Soda				
1208 Coffey's Store, Yosemite	16.24	---	---	101.5
2044 Southern States Ashland Co-op., Ashland	16.12	---	---	100.8

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
COMMONWEALTH FERTILIZER COMPANY, RUSSELLVILLE, KENTUCKY				
6-8-6 (Muriate) 2045 Commonwealth Fertilizer Co., Russellville	6.04	8.10	6.53	102.1
6-8-6 (Sulfate) 1805 M. G. Williams Implement Co., Hopkinsville	<u>5.74</u>	8.55	6.64	102.4
5-10-10 (Sulfate) 2046 Commonwealth Fertilizer Co., Russellville	4.88	10.10	10.54 <sup>13</sup>	100.8
3-12-6 (Muriate) 1806 M. G. Williams Implement Co., Hopkinsville	3.07	12.05	6.06	100.9
3-9-6 (Muriate) 1931 Shanks Grocery, Bremen	3.19	9.10	6.55	104.0
0-20-20 (Muriate) 2047 Commonwealth Fertilizer Co., Russellville	---	20.40	19.95	101.2
0-12-12 (Muriate) 1807 M. G. Williams Implement Co., Hopkinsville	---	<u>10.75</u>	<u>11.44</u>	<u>91.5</u>
2048 McGeehee and Grise, Lewisburg	---	<u>12.30</u>	<u>12.37</u>	<u>102.7</u>
20% Superphosphate 2049 McGeehee and Grise, Lewisburg	---	<u>19.15</u>	---	<u>95.8</u>
CONSOLIDATED CHEMICAL CO., SEE PRICE CHEMICAL COMPANY COOPERATIVE FERTILIZER SERVICE, WINCHESTER, KY., BALTIMORE, MARYLAND				
6-8-6 (Sulfate) 1106 Southern States Cooperative, London	6.02	8.10	6.39	101.6
1113 Southern States Cooperative, Danville	5.95	8.20	6.35	101.5
1126 Southern States Cooperative, Frankfort	6.00	8.15	6.53	102.1
1127 Metcalfe Farmers Supply, Edmonton	6.09	8.30	6.44	103.3
1153 Farm and Home Supply, Irvine	6.06	8.18	6.32	102.2
1154 Southern States Simpson Co-op., Franklin	6.25	8.25	6.63	104.7
1155 Southern States Maysville Co-op., Maysville	5.97	8.35	6.49	102.8
1209 Rowan Farm Supply, Morehead	6.02	8.00	6.21	100.7



TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
COOPERATIVE FERTILIZER SERVICE (Cont'd)				
6-8-6 (Sulfate) Cont'd.				
1339 Bourbon Farm Service, Paris	6.05	8.45	6.68	104.3
1340 Stanton Farmers Supply, Stanton	6.08	8.30	6.76	104.0
1341 C. C. Hardware Feed and Seed Company, Hartford	6.10	7.95	6.39	101.5
1396 Camargo Farmers Supply, Camargo	6.12	8.35	6.55	104.0
1505 Calloway County Soil Improvement Association, Murray	5.99	8.00	6.42	101.0
1669 Southern States Cooperative, Somerset	6.23	8.30	6.53	104.5
1932 Adair Farmers Supply, Columbia	6.22	8.20	6.75	104.5
2050 Southern States Georgetown Co-op., Georgetown	5.98	8.20	6.13	101.2
5-10-10 (Muriate)				
1156 Southern States Cooperative, Flemingsburg	5.32	10.90	10.37	107.0
1210 Southern States Cooperative, Somerset	5.22	10.50	10.10	103.9
1211 Southern States Hardin Co-op., Elizabethtown	5.19	10.50	10.07	103.6
1278 Pike County Hatchery, Pikeville	5.11	10.30	10.30	102.7
1279 Farmers Supply Co., Road Fork	5.11	10.45	10.12	103.0
1342 Southern States Cooperative, Henderson	5.21	10.40	10.32	103.9
1397 Farmers Supply, Catlettsburg	5.25	10.50	10.34	104.6
1506 Southern States Fulton Co-op., Fulton	5.25	10.50	10.12	104.2
1670 Southern States Cooperative, Glasgow	5.32	10.70	10.75	106.9
1808 Southern States Cooperative, Shelbyville	5.24	10.40	10.51	104.5
4-12-8 (Muriate)				
1157 Southern States Cooperative, Bowling Green	4.14	12.10	8.33	102.2
1343 C. C. Hardware Feed and Seed Company, Hartford	4.26	12.00	8.60	103.0
1344 Southern States Cooperative, Henderson	4.13	12.30	8.48	103.3
1507 Perry County Farm Supply, Hazard	4.08	12.00	8.26	101.1
1508 Calloway County Soil Improvement Association, Murray	4.11	12.05	8.66	102.5
1509 Southern States Simpson Co-op., Franklin	4.31	<u>11.70</u>	8.70	102.3
1809 Magoffin Farmers Supply, Salyersville	4.04	11.90	8.71	101.4

TABLE 1- Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
COOPERATIVE FERTILIZER SERVICE (Cont'd)				
4-12-8 (Muriate) Cont'd				
1933 Stanton Farm Supply, Stanton	4.22	12.10	8.34	102.7
2051 Southern States Cooperative, Russellville	4.16	<u>11.70</u>	8.30	100.4
4-8-12 (Sulfate)				
1107 Crab Orchard Farm Service, Crab Orchard	3.99	8.55	12.04	102.8
1128 Southern States Cooperative, Glasgow	4.02	8.10	12.29	101.4
1158 Harrison Brothers Farm Supply, Berea	4.07	8.30	12.34	100.4
1159 Southern States Simpson Co-op., Franklin	3.93	8.55	11.98	102.2
1160 Southern States Cooperative, Maysville	3.96	8.15	12.03	100.5
1280 Taylor Farm Service, Beattyville	3.99	8.20	12.34	101.8
1345 Bourbon Farm Service, Paris	4.18	8.20	12.08	102.6
1346 Stanton Farmers Supply, Stanton	3.96	8.30	12.28	101.9
1398 Gibson Farm and Home Service, Barbourville	3.97	7.95	12.40	100.5
1510 Southern States Cooperative, Cynthiana	3.97	8.50	12.30	103.0
1511 Calloway County Soil Improvement Association, Murray	4.04	8.10	12.37	101.7
1512 Brooksville Farm Supply, Brooksville	4.11	8.20	12.36	102.7
1513 Farmers Service Store, Hardinsburg	3.92	8.10	12.51	101.2
1671 Southern States Cooperative, Louisville	4.11	8.50	12.56	104.7
1810 Southern States Frankfort Co-op., Frankfort	4.09	8.20	12.48	102.9
1934 Clay County Farm Service, Manchester	4.08	8.50	11.86	102.8
2052 Southern States Cooperative, Georgetown	4.13	8.50	12.43	104.6
2053 Johnson Farm Supply, Lewisburg	4.12	8.30	12.35	103.3
3-12-12 (Muriate)				
1161 Harrisons Brothers Farm Supply, Berea	3.03	12.40	12.12	100.0
1212 Southern States Cooperative, Henderson	3.26	<u>11.73</u>	11.80	100.1
1213 Farmers Service, Tompkinsville	3.24	<u>12.10</u>	11.93	101.9
1281 Farm and Home Store, Prestonsburg	3.00	12.10	12.26	101.0

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
COOPERATIVE FERTILIZER SERVICE (Cont'd)				
3-12-12 (Muriate) Cont'd				
1399 Southern States Cooperative, London	3.08	12.05	12.08	100.9
1514 Perry County Farm Supply, Hazard	3.12	12.20	11.95	101.6
1811 Land - O'nan Warehouse, Sturgis	3.15	11.90	12.56	101.8
1935 Stanton Farm Supply, Stanton	3.03	11.93	12.00	99.9
2054 Georgetown Cooperative, Georgetown	3.08	12.20	12.01	101.4
3-12-6 (Muriate)				
1129 Southern States Cooperative, Campbellsville	3.17	12.30	6.39	103.6
1214 Southern States Cooperative, Leitchfield	3.09	11.95	6.34	101.3
1282 Farm and Home Store, Prestonsburg	3.27	11.95	7.07	104.6
1283 Farmers Supply Co, Road Fork	3.16	12.00	6.35	102.1
1284 Deaton Brothers, Jackson	3.09	11.75	6.09	99.6
1400 Southern States Cooperative, Campbellsville	3.17	12.00	6.18	101.8
1515 Farm Service Store, Hardinsburg	3.06	12.30	6.50	103.3
1516 Southern States Cooperative, Flemingsburg	3.21	12.20	6.46	104.1
1672 Farmers Cash Store, Liberty	3.11	12.00	6.65	102.5
1812 Southern States Cooperative, Shelbyville	3.20	12.20	6.44	103.7
0-20-20 (Muriate)				
1673 Rowan Farmers Supply, Morehead	---	20.30	20.62	102.0
1936 Southern States Cooperative, Morganfield	---	20.10	20.76	101.6
2055 R. R. Boggs, Blaine	---	19.75	18.90	97.3
2056 Farmers Supply, Catlettsburg	---	20.00	<u>18.64</u>	<u>97.7</u>
0-14-14 (Muriate)				
1285 Farm and Home Store, Prestonsburg	---	14.20	14.14	101.3
1401 Southern States Cooperative, Bardstown	---	14.15	14.81	102.6
1518 Farmers Service Store, Hardinsburg	---	14.40	14.73	103.6
1519 Southern States Cooperative, Flemingsburg	---	14.40	14.30	102.6
1675 Rowan Farmers Supply, Morehead	---	14.10	15.22	103.4
1813 Southern States Cooperative, Shelbyville	---	14.30	14.75	103.2

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphates, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
COOPERATIVE FERTILIZER SERVICE (Cont'd)				
0-14-14 (Muriate) with 3 percent Borax				
1517 Stinson Farm Supply, Horse Cave (a)	---	14.10	14.35	101.3
1674 Southern States Cooperative, Louisville (b)	---	14.20	15.35	104.2
60% Muriate of Potash				
1130 Southern States Cooperative, Frankfort	---	---	58.88	98.1
1520 Harrison Brothers Farm Supply, Richmond	---	---	61.04	101.7
1521 Southern States Cooperative, Fulton	---	---	60.60	101.0
1937 Crab Orchard Farm Service, Crab Orchard	---	---	60.96	101.6
2057 Southern States Cooperative, Georgetown	---	---	60.80	101.3
48.6% Sulfate of Potash				
1402 W. C. Turner, Greensburg	---	---	50.32	103.5
1522 Southern States Cooperative, Cynthiana	---	---	52.28 <sup>14</sup>	107.6
1523 Hughes M. Hamilton, Lexington	---	---	52.08	107.2
1524 Southern States Cooperative, Carlisle	---	---	51.56	106.1
1525 Harrison Brothers Farm Supply, Berea	---	---	51.96	106.9
1676 Amburgey's Farm Supply, Mt. Sterling	---	---	52.20	107.4
1814 Taylor's Farm Service, Beattyville	---	---	52.00	107.0
CUMBERLAND CHEMICAL COMPANY, HOPKINSVILLE, KENTUCKY				
8-8-8 (Muriate)				
1286 Cumberland Chemical Co., Hopkinsville	7.98	8.95	8.78	105.4
0-12-12 (Muriate)				
1815 Lander Hardware Co., Lafayette	---	12.50	12.69	104.7
20% Superphosphate				
1816 Lander Hardware Co., Lafayette	---	20.80	---	104.0
50% Sulfate of Potash				
1817 Forbes Hardware Co., Hopkinsville	---	---	50.00	100.0

a. Boron Guaranteed 0.34 percent - found 0.34 percent

b. " " 0.34 " " 0.39 "

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts --- Continued.

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>DARLING AND COMPANY, CARIO, ILLINOIS</b>				
6-12-12 (Muriate) 1241 Ballard County Cooperative, La Center	<u>4.97</u>	12.15	12.52	<u>95.8</u>
5-10-10 (Sulfate) 1242 Ballard County Cooperative, La Center	<u>4.61</u>	10.70	10.94 <sup>15</sup>	102.6
<b>DAVISON CHEMICAL CORPORATION, COLUMBUS, O.</b>				
5-10-10 (Sulfate) 2060 Elwood Logan, Greenup	4.91	10.10	10.54	101.0
3-12-12 (Muriate) 1406 Elwood Logan, Greenup	3.15	<u>11.15</u>	13.06	99.6
2061 Elwood Logan, Greenup	3.12	<u>11.95</u>	12.34	101.3
<b>DAVISON CHEMICAL CORPORATION, NASHVILLE, TENN.</b>				
8-8-8 (Muriate) 1216 Campbell's Mill, Kevil	<u>6.90</u>	9.50	10.27	104.1
6-12-12 (Muriate) 1162 Allen County Farmers Service, Scottsville	5.98	<u>11.73</u>	11.78	98.5
6-8-6 (Muriate) 1163 Caneyville Roller Mill, Caneyville	<u>5.36</u>	9.95	7.59	108.9
1217 Campbell's Mill, Kevil	<u>5.22</u>	8.50	7.01	99.2
1945 Guenther Hardware Co., Owensboro	5.79	7.85	5.92	97.5
6-8-6 (Sulfate) 1164 Farmers Hay and Seed Co., Smiths Grove	5.93	7.88	6.29 <sup>16</sup>	99.6
1403 R. C. Anderson, Marrowbone	5.95	8.60	8.04 <sup>17</sup>	107.7
1404 Frank Ballard, Springfield	6.13	7.80	6.09	100.2
1680 C.S. Brent Seed Company, Lexington	6.07	8.05	6.25	101.4
1946 W.L. Rogers and Sons, Columbia	5.90	8.00	6.17 <sup>18</sup>	99.7
5-10-10 (Sulfate) 1165 Farmers Hay and Seed Co., Smiths Grove	4.99	10.85	10.60	105.0
1289 Chestnut Seed Co., Trenton	5.01	10.55	10.66 <sup>19</sup>	103.8
1681 C. S. Brent Seed Co., Lexington	4.68	10.90	10.73	103.5
1820 Willoughby Supply Co., Richmond	4.75	10.65	11.10	103.7
4-12-8 (Muriate) 1166 Frank Snodgrass, Morganfield	4.01	12.70	9.41	106.3

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
DAVISON CHEMICAL CORPORATION (Cont'd)				
4-12-8 (Muriate) Cont'd 1167 Allen County Farm Service, Scottsville	4.12	11.90	8.15	100.7
4-12-8 (Sulfate) 1290 Chestnut Seed Co., Trenton	3.91	12.00	8.39 <sup>20</sup>	100.3
4-12-4 (Muriate) 1532 Frank Snodgrass, Morgantown	3.92	<u>11.73</u>	4.92	100.4
4-8-12 (Sulfate) 1533 Gentry McCauley, Versailles 1534 C. T. Ashley and Co., Nicholasville	3.79 <u>3.74</u>	9.00 9.50	12.26 12.09	104.1 105.8
1821 Willoughby Supply Co., Richmond	3.87	9.30	12.26 <sup>21</sup>	106.2
3-9-6 (Muriate) 1218 Dunagen and Dunagen, Horse Cave	<u>2.59</u>	9.65	7.63	105.2
1405 Frank Ballard, Springfield	3.16	9.00	6.29	102.3
1682 Bishop Patterson and Gray Brothers, Glasgow	3.33	8.78	6.91	104.4
1683 C. S. Brent Seed Co., Lexington	3.13	<u>8.30</u>	6.55	98.6
2-12-6 (Muriate) 1291 E. S. Ferrill and Sons, Buffalo 1947 W. L. Rogers and Sons, Columbia	2.54 2.92	12.05 <u>9.60</u>	6.97 6.52	107.5 <u>95.8</u>
0-12-12 (Muriate) 1219 Stewart and Co., Munfordsville	---	<u>11.60</u>	12.80	100.0
20% Superphosphate				
1131 Ester and Shirley, Edmonton	---	20.20	---	101.0
1168 Monarch Milling Company, Mt. Sterling	---	20.35	---	101.7
1220 Faulkerson Brothers, Sonora	---	20.20	---	101.0
1292 Chestnut Seed Co., Trenton	---	20.20	---	101.0
1293 Walkers Supply, Richmond	---	20.95	---	104.8
1348 Everett Woosley General Store, Rosine	---	19.95	---	99.8
1684 Thomerson Milling Co., Glasgow	---	21.00	---	105.0
1685 C. S. Brent Seed Co., Lexington	---	20.10	---	100.5
1949 Guenther Hardware Co., Owensboro	---	20.80	---	104.0
2059 Hardcastle and Co., Bowling Green	---	20.60	---	103.0

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
DAVISON CHEMICAL CORPORATION, (Cont'd)				
50% Sulfate of Potash				
1221 Stewart and Co., Munfordsville	---	---	50.48	101.0
1950 R. C. Meador Grocery, Summer Shade	---	---	<u>49.64</u>	99.1
DAVISON CHEMICAL CORP., NEW ALBANY, IND.				
6-8-6 (Muriate)				
1215 Henderson Feed and Commission Co., Henderson	5.86	8.15	6.32	100.5
1526 William Fischer, Owensboro	6.07	8.30	6.60	103.5
1677 Buechel Produce Exchange, Buechel	6.05	7.95	6.44	101.2
4-8-12 (Sulfate)				
1108 R. D. Reynolds, Cave City	4.04	8.10	11.90	100.6
1287 Warsaw Hardware, Warsaw	4.01	7.93	12.22	100.3
1347 Summerhays Lumber and Coal Company, Paris	4.05	8.00	12.17	100.8
1527 F. G. Burd, Frankfort	3.90	8.40	11.89	101.0
1678 Monarch Milling Company, Mt. Sterling	3.96	7.96	11.99	99.4
1938 Hoskins Store, Campbellsville	4.21	8.10	12.09	102.3
2058 Hamilton Spears, Lancaster	4.03	8.50	11.95	102.6
3-12-12 (Muriate)				
1288 Climax Roller Mills, Shelbyville	2.82	12.30	12.90	102.1
1528 McWhorter and Boyle, Paint Lick	2.97	<u>11.08</u>	12.44	<u>96.7</u>
1529 William Fischer, Owensboro	2.99	<u>11.30</u>	12.29	<u>97.5</u>
1530 Gale Hudnall, Riverside	2.93	<u>11.38</u>	12.32	<u>97.5</u>
1679 Lincoln Farm Service, Stanford	3.04	<u>11.58</u>	12.52	99.6
1939 Neals Super Market, Corbin	3.11	12.00	12.34	101.5
1940 Hoskins Store, Campbellsville	3.23	12.10	12.09	102.2
1941 Fiechter Hardware, London	3.17	12.20	12.54	103.2
1942 Ruark Truck Lines, Morganfield	3.21	<u>11.70</u>	12.64	101.5
2-12-6 (Muriate)				
1531 Gale Hudnall, Riverside	2.21	11.90	6.66	103.0
1818 Ruark Truck Lines, Morganfield	2.10	11.85	6.99	102.8
1943 Hoskins Brothers, Campbellsville	2.18	11.88	6.48	102.2
1948 Felty's Produce Company, Beaver Dam	2.19	<u>11.70</u>	6.58	101.5
0-15-15 (Muriate)				
1944 Ruark Truck Lines, Morganfield	---	15.20	15.88	102.8
0-12-12 (Muriate)				
1819 Ruark Truck Lines, Morganfield	---	12.25	12.67	103.2

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
DUVAL SULPHUR AND POTASH COMPANY, CARLSBAD, NEW MEXICO				
60% Muriate of Potash				
1558 Calloway County Soil Improvement Association, Murray	---	---	61.04	101.7
EMPIRE STATE CHEMICAL COMPANY, ATHENS, GEORGIA				
20% Superphosphate				
2062 T. W. Hudgins and Co., Leon	---	<u>19.40</u>	---	97.0
FEDERAL CHEMICAL COMPANY, LOUISVILLE, KENTUCKY, NASHVILLE, TENNESSEE				
8-8-8 (Muriate)				
1132 Farmers Exchange, Burksville	7.80	7.88	8.40	99.1
1535 Roy C. Hardesty, Eminence	<u>6.81</u>	8.50	8.90	<u>96.5</u>
1536 Twin Oak #2, Scottsville	<u>8.13</u>	7.93	8.25	<u>101.0</u>
1686 E. W. Montgomery and Sons, Vine Grove	8.08	<u>7.70</u>	8.98	101.3
1822 Basil M. Brooks, Madisonville	8.12	<u>8.30</u>	8.50	103.0
6-12-12 (Muriate)				
1823 Basil M. Brooks, Madisonville	5.98	11.90	12.37	100.2
1824 Pyles and Goodwin, Crofton	5.94	<u>11.60</u>	12.41	98.9
6-8-6 (Muriate)				
1407 Williamsburg Hardware, Williamsburg	<u>5.25</u>	9.40	5.85	101.0
1537 Roy C. Hardesty, Eminence	<u>6.32</u>	8.10	7.90	107.6
1825 Jackson Wholesale Co., Elkhorn City	6.53	8.10	6.32	105.3
1826 Basil M. Brooks, Madisonville	6.14	8.00	6.31	101.8
1951 W. T. Renaker, Verona	6.31	8.40	6.94	106.7
1952 Morris Brothers, Hazel Green	6.66	8.00	6.98	107.4
2063 M. C. Roberts Coal and Feed, South Irvine	6.56	8.00	6.56	105.6
6-8-6 (Sulfate)				
1133 Benson Valley Milling Co., Frankfort	<u>5.19</u>	9.70	9.32 <sup>22</sup>	108.2
1169 Lear and Ballard, Lancaster	<u>5.68</u>	8.10	7.22 <sup>23</sup>	101.2
1222 Noah Hall Feed Store, Morehead	<u>5.84</u>	8.25	7.24 <sup>24</sup>	103.2
1408 Elford Hayes, Russell Springs	<u>5.67</u>	8.40	7.76 <sup>24</sup>	103.9
1409 Grayson Milling Co., Grayson	<u>5.55</u>	8.20	7.47 <sup>25</sup>	101.3
1538 Hardy Brothers, Rice Station	<u>5.99</u>	8.20	7.22	104.0
1687 Waynesburg Milling Co., Waynesburg	6.00	7.95	8.05 <sup>26</sup>	104.9
1688 Hall Seed Co., Louisville	6.04	8.00	7.92 <sup>27</sup>	105.1
1827 Pyle and Goodwin, Crofton	<u>2.98</u>	12.10	12.84 <sup>28</sup>	115.0
1828 Benson Valley Milling Co., Frankfort	6.05	7.75	7.78	103.6



Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value, Found
<b>FEDERAL CHEMICAL COMPANY (Cont'd)</b>				
<b>6-8-6 (Sulfate) Cont'd.</b>				
1829 Basil M. Brooks, Madisonville	6.18	8.40	6.54	104.7
1953 W. T. Renaker, Verona	5.76	8.40	6.69	101.9
1954 Florence Seed Store, Florence	6.01	7.90	6.46	100.7
2064 M. C. Roberts Coal and Feed, South Irvine	6.28	7.80	7.04	103.2
2065 Vine Street Feed Store, Lexington	5.92	8.00	7.10	102.2
<b>5-10-15 (Sulfate)</b>				
1170 Garrard Mills, Lancaster	5.25	10.20	15.67	103.6
1223 Alva Logsdon, Cave City	5.71	9.40	15.41 <sup>29</sup>	102.7
1224 Kiser L. Lykins, Daysboro	5.14	10.10	15.67	102.6
1539 Davenport Farm Supply, Flemingsburg	5.30	9.45	13.42	96.4
1540 Carter's Feed Store, Forks of Elkhorn	4.96	9.60	16.92	102.0
1689 Lloyd Alexander, Salt Lick	5.12	9.85	15.94	102.0
1690 H. F. Asbury, Lexington	5.48	10.35	15.82	105.9
1830 Benson Valley Milling Co., Frankfort,	5.54	10.05	15.77	105.0
1955 W. T. Renaker, Verona	5.23	10.80	15.62	105.8
1956 Craft Grocery, Manchester	5.06	10.30	15.39	102.3
1957 W. G. Thompson, St. Joseph	5.01	10.50	13.68	99.4
2066 Vine Street Feed Store, Lexington	4.96	10.40	15.08	101.5
<b>5-10-10 (Sulfate)</b>				
1171 Lear and Ballard, Lancaster	4.68	9.90	11.67	101.1
1225 Morris Brothers, Hazel Green	5.32	9.75	10.89	103.0
1294 Phillips Grocery, Hiseville	5.14	10.10	9.86	101.1
1349 A. R. Dyer General Store, McQuady	4.31	10.00	12.14 <sup>30</sup>	100.2
1541 Davenport Farm Supply, Flemingsburg	4.33	10.90	12.75 <sup>31</sup>	105.6
1542 Carter's Feed Store, Forks of Elkhorn	4.53	10.05	11.17	99.7
1691 Thomerson's Milling Co., Glasgow	5.35	9.90	10.10 <sup>32</sup>	102.1
1692 Lloyd Alexander, Salt Lick	4.93	10.03	11.75	103.6
1831 Basil M. Brooks, Madisonville	5.17	10.10	10.32	102.3
1958 W. T. Reanaker, Verona	5.18	10.00	10.77	102.9
2067 Vine Street Feed Store, Lexington	5.30	9.95	10.12	102.0
<b>4-16-16 (Muriate)</b>				
1693 E. W. Montgomery and Sons Vine Grove	4.81	14.43	18.62	103.2

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>FEDERAL CHEMICAL COMPANY (Cont'd)</b>				
4-12-8 (Muriate)				
1543 Miller Brothers Grocery, Lynn Grove	4.27	11.95	8.23	102.1
1832 Basil M. Brooks, Madisonville	4.28	12.30	8.51	104.4
4-12-4 (Muriate)				
1694 Thomerson Milling Co., Glasgow	4.47	<u>11.33</u>	5.82	104.7
3-12-12 (Muriate)				
1134 Farmers Exchange, Burksville	3.17	<u>11.60</u>	12.22	99.8
1172 Garrard Mills, Lancaster	2.98	<u>11.75</u>	13.14	101.1
1226 Kiser L. Lykins, Daysboro	3.26	<u>11.58</u>	12.96	102.0
1544 Roy C. Hardesty, Eminence	3.00	<u>11.80</u>	12.96	101.2
1545 Paris Produce Co., Scottsville	3.07	12.45	11.80	102.0
1833 Basil M. Brooks, Madisonville	3.38	12.05	13.24	105.5
1959 Triplets Store, Corbin	3.19	<u>11.40</u>	12.99	100.8
1960 A. C. Bogie, Winchester	3.14	<u>11.90</u>	13.05	102.8
1961 Stockton Brothers, Albany	3.30	11.90	12.36	102.4
3-9-6 (Muriate)				
1173 Garrard Mills, Lancaster	3.27	9.20	7.20	107.3
1227 Morris Brothers, Hazel Green	3.38	9.00	7.14	106.9
1228 Lovett Brothers, Somerset	2.99	9.70	7.80	109.6
1410 Elford Hayes, Russell Springs	3.32	9.40	7.19	108.9
1411 Twelfth Street Feed Store, Ashland	3.21	<u>8.59</u>	6.55	101.1
1412 Hackney Harlan Co., Harlan	3.12	<u>8.28</u>	6.66	<u>98.7</u>
1413 Manchester Grocery, Manchester	3.38	9.20	6.73	106.9
1414 Williamsburg Hardware, Williamsburg	3.15	9.05	5.77	101.0
1695 P. J. Honaker, Port Royal	3.34	9.55	6.32	107.4
1834 Jackson Wholesale Co., Elkhorn City	3.13	8.75	6.78	103.2
1835 John Adams, Jeff	3.32	8.95	6.95	105.5
1836 Basil M. Brooks, Madisonville	3.61	10.00	7.01	114.7
1962 Taylor County Implement Co., Campbellsville	3.30	9.30	6.03	104.6
1963 Florence Feed Store, Florence	3.52	9.30	7.41	110.8
2068 Vine Street Feed Store, Lexington	3.38	9.30	6.66	107.3
2-12-6 (Muriate)				
1229 Cliff and Ray Wells, Timple Hill	3.08	<u>11.45</u>	7.51	110.1
1295 Phillips Grocery, Hiseville	2.38	<u>11.73</u>	6.61	103.4
1350 Everett Woosley General Store, Racine	2.32	12.10	6.05	103.4
1696 Grayson County Supply Co., Grayson	2.52	12.00	6.53	105.8
1837 Basil M. Brooks, Madisonville	2.69	11.90	6.71	107.2

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>FEDERAL CHEMICAL COMPANY (Cont'd)</b>				
0-20-20(Muriate)				
1230 Alva Logsdon, Cave City	---	<u>18.90</u>	20.84	<u>97.7</u>
1838 Basil M. Brooks, Madisonville	---	20.10	20.48	101.1
0-12-12 (Muriate)				
1109 L. M. Wilson, Cave City	---	12.15	<u>11.20</u>	98.6
1231 D. R. Perry, Farmers	---	<u>11.40</u>	13.05	99.6
1415 Williamsburg Hardware, Williamsburg	---	12.00	12.11	100.3
1546 Perry County Farm Supply Service, Hazard	---	12.00	12.14	100.4
1697 Grayson County Supply Co., Leitchfield	---	12.00	13.35	103.8
1698 Farmers Cash Store, Liberty	---	<u>11.20</u>	13.44	99.6
1839 Basil M. Brooks, Madisonville	---	<u>11.85</u>	11.88	98.8
1964 Farmers Exchange, Burksville	---	12.30	12.19	102.2
1965 Triplett's Store, Corbin	---	<u>11.45</u>	13.55	101.2
1966 Gatliff Cash Store, Pineville	---	12.10	11.90	100.3
20% Superphosphate				
1174 Shaker Seed and Feed Co., Smith Union	---	<u>19.03</u>	---	<u>95.2</u>
19% Superphosphate				
1967 Felty's Produce Co., Beaver Dam	---	20.20	---	106.3
50% Sulfate of Potash				
1547 J. W. Settle, Frankfort	---	---	49.92 <sup>33</sup>	99.8
1840 Basil M. Brooks, Madisonville	---	---	50.36	100.7
1968 W. T. Renaker, Verona	---	---	50.68	101.4
1969 A. C. Bogie, Winchester	---	---	51.64	103.3
1970 Hobert Lykins, Rogers	---	---	52.36	104.7
2069 M. C. Roberts Coal and Feed, South Irvine	---	---	51.56	103.1
<b>HERCULES POWDER COMPANY, WILMINGTON, DELAWARE</b>				
33.5% Ammonium Nitrate				
1232 Sphar and Co., Winchester	33.64	---	---	100.3
<b>HUTSON CHEMICAL COMPANY, MURRAY, KENTUCKY</b>				
4-12-8 (Muriate)				
1548 Douthitt and Spillman, Wingo	3.79	12.25	8.27	100.3
<b>INTERNATIONAL MINERALS AND CHEMICAL CORP., CINCINNATI, O., SOMERSET, KY.</b>				
10-10-10 (Muriate)				
1233 Farmers Cooperative Store, Owensboro	9.98	10.20	10.33	101.1

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
INTERNATIONAL MINERALS AND CHEMICAL CORPORATION (Cont'd)				
10-10-10 (Muriate) Cont'd 1699 Ralph Hovious, Houstonville	9.77	9.85	11.80	101.4
6-8-16 (Sulfate) 1549 King Coal Company, Mt. Olivet	6.17	8.60	15.53	102.5
1702 P. J. Honacker, Port Royal	6.13	8.20	16.40	102.4
1703 Ralph Hovious, Houstonville	6.31	8.60	16.12	104.7
2071 Jett Coal and Supply Co., Jett	6.17	8.20	15.90	101.6
6-12-12 (Sulfate) 1841 Charley Huff, New Zion	5.93	12.10	12.41 <sup>34</sup>	100.7
6-12-12 (Muriate 3, Sulfate 9) 1416 Edward Bryant, Waterview	5.83	11.90	12.90	100.4
1550 Wright Implement Co., Hardinsburg	5.77	12.40	12.03	100.2
1551 Midway Farm Supply, Midway	5.99	11.95	12.48	100.6
1700 George P. Taylor, Burnside	6.06	11.90	13.29	102.4
1701 Ralph Hovious, Houstonville	6.03	11.90	13.09	101.8
2070 Lawson Hardware, Greenup	6.04	12.00	12.62	101.4
6-8-6 (Sulfate) 1296 R. T. Little, Pomeroyton	6.06	8.70	6.45	105.1
1417 Springfield Feed and Grain Co., Springfield	6.03	8.50	6.35 <sup>35</sup> 6.37 <sup>36</sup>	103.6
1418 Lawson Hardware, Greenup	5.98	8.80	6.37 <sup>37</sup>	104.8
1552 King Coal Co., Mt. Olivet	6.43	8.25	6.36 <sup>37</sup>	105.4
1704 Masden Lumber and Supply Co., Lebanon Junction	6.39	8.20	6.94 <sup>38</sup>	106.3
1705 G. H. Bowles and Son, Glasgow	6.58	9.80	10.48	124.6
1706 Robinson Milling Co., Somerset	6.15	8.10	6.36 <sup>39</sup>	102.5
2072 Boyd Anderson, Ezel	6.01	8.30	7.20 <sup>39</sup>	104.6
5-10-10 (Muriate) 1553 Wright Implement Co., Hardinsburg	5.05	10.15	10.63	102.4
5-10-5 (Muriate) 1419 Harlan Fruit Co., Harlan	5.36	10.10	5.17	103.6
1842 Smith and Co., Ashcamp	5.37	10.00	5.43	103.8
4-12-8 (Sulfate) 1420 Lawson Hardware, Greenup	4.23	11.80	8.04	100.8
1554 Richardson Mercantile Co., Berea	4.03	12.70	8.07	103.5
1707 Cooper Brothers Feed Store, Elizabethtown	3.98	12.40	8.75	103.4
1708 G. M. Sandidge and Sons, Eubank	3.95	11.93	8.70	100.9

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
INTERNATIONAL MINERALS AND CHEMICAL CORPORATION (Cont'd)				
3-12-12 (Muriate)				
1421 Lawson Hardware, Greenup	3.29	12.30	12.58	104.6
1422 Springfield Feed and Grain Co., Springfield	2.81	12.60	12.21	101.9
1555 Wright Implement Co., Hardinsburg	3.28	12.70	12.28	105.6
1556 Richardson Mercantile Co., Berea	3.30	12.45	12.46	105.0
1709 Cooper Brothers Feed Store, Elizabethtown	3.36	12.15	12.30	103.7
1710 Masden Lumber and Supply Co., Lebanon Junction	3.34	12.05	12.60	103.8
1711 George P. Taylor, Burnside	3.16	12.20	13.29	104.8
1843 Charlie Huff, New Zion	6.35	8.95	6.99	97.6
2073 Boyd Anderson, Ezel	3.38	12.30	12.34	104.6
2-12-6 (Muriate)				
1234 Cooper Brothers, Elizabethtown	2.07	12.50	6.45	104.6
1423 Dudgeon and Robinson, Campbellsville	1.92	12.60	5.94	102.5
1712 G. M. Sandidge and Son, Eubanks	2.42	12.60	7.24	110.3
1844 D. K. Hurt, Elkton	2.44	12.00	6.70	105.6
2074 Lawson Hardware, Greenup	2.34	11.85	6.49	103.4
0-20-20 (Muriate)				
1971 Harlan Fruit Market, Harlan	---	19.80	20.98	101.0
0-14-7 (Muriate)				
1235 C. L. Clemons, Pearman	---	14.15	7.50	102.3
1236 International Minerals and Chemical, Somerset	---	14.30	7.63	103.5
1425 Buckhorn Coal Co., Campbellsville	---	14.30	8.07	104.8
1557 Wright Implement Co., Hardinsburg	---	14.50	8.16	106.2
0-12-12 (Muriate)				
1237 C. L. Clemons, Pearman	---	12.00	12.46	101.3
1424 Dudgeon and Robinson, Campbellsville	---	13.20	12.56	108.2
20% Superphosphate				
1135 Estes and Shirley, Edmonton	---	20.25	---	101.3
1238 Cooper Brothers, Elizabethtown	---	20.55	---	102.7
1239 Farmers Supply, Somerset	---	20.20	---	101.0
1240 Somerset Produce Co., Somerset	---	20.35	---	101.8
1426 W. L. Rogers and Sons, Columbus	---	20.70	---	103.5
1713 Farmers Supply Co., Somerset	---	19.90	---	99.5
1714 C. L. Clemons, Pearman	---	20.40	---	102.0
1715 Stout's Feed Store, Mount Washington	---	20.50	---	102.5

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
INTERNATIONAL MINERALS AND CHEMICAL CORPORATION (Cont'd)				
20% Superphosphate (Cont'd)				
1716 Ralph Hovious, Houstonville	---	20.80	---	104.0
50% Sulfate of Potash				
1972 Sphar and Company, Winchester	---	---	51.20	102.4
48.6% Sulfate of Potash				
1427 Southern States Cooperative, Bardstown	---	---	51.20	105.3
48% Sulfate of Potash				
1428 W. L. Rogers, Columbia	---	---	51.56	107.4
1717 Herman Turpin, Delta	---	---	51.84	108.0
1718 W. S. Allen Co., Liberty	---	---	51.76	107.8
21% Sulfate of Potash - Magnesia				
1719 H. F. Asbury, Lexington	---	---	22.84	108.8
KENTUCKY FERTILIZER WORKS, WINCHESTER, KENTUCKY				
6-8-16 (Sulfate)				
1429 Farmers Supply Co., Danville	5.94	8.30	16.27	101.4
1430 Kentucky Fertilizer Works, Winchester	<u>5.39</u>	9.60	16.42 <sup>40</sup>	103.6
6-8-6 (Sulfate)				
1559 Gorman and Grown Hardware, Flemingsburg	6.07	8.35	6.47	103.4
1720 Agee's Farm Supply, Mt. Sterling	<u>5.71</u>	8.10	6.17	98.8
1721 Tommie Smith, Wrigley	<u>6.00</u>	8.10	5.95	100.4
2075 Jett Coal and Supply Co., Jett	5.91	8.00	6.27	100.0
2076 Ben F. Bush, Moberly	5.94	8.30	<u>5.35</u>	99.4
4-12-12 (Sulfate)				
1431 Farmers Supply Co., Danville	4.10	12.05	12.62	102.1
4-12-8 (Sulfate)				
1297 Robinson and Turley, Richmond	3.79	<u>10.85</u>	<u>7.56</u> <sup>41</sup>	<u>92.3</u>
1845 Robinson and Turley, Richmond	4.34	<u>11.65</u>	<u>8.21</u>	101.2
4-6-15 (Sulfate)				
1243 Roy Vice, Owingsville	3.93	8.10	15.70	112.0
1432 Kentucky Fertilizer Works, Winchester	3.87	6.10	15.26	100.2
3-9-6 (Muriate)				
1298 Homer Patrick, Ezel	3.07	9.35	6.01	102.8

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>KENTUCKY FERTILIZER WORKS (Cont'd)</b>				
20% Superphosphate				
1299 Robinson and Turley, Richmond	---	20.10	---	100.5
1722 Earl Murray, Morehead	---	19.98	---	99.9
1973 Steve Rose Market, Campton	---	20.80	---	104.0
20.5% Ammonium Sulfate				
2077 J. Howard Rouse, Midway	20.96	---	---	102.2
50% Sulfate of Potash				
2078 W. G. O'nan, Frankfort	---	---	52.20	104.4
<b>KNOXVILLE FERTILIZER CO., KNOXVILLE, TENN., NASHVILLE, TENN., LONDON, KY.</b>				
8-8-8 (Muriate)				
1560 Ravenna Grocery, Ravenna	7.99	8.55	8.95	104.2
6-12-12 (Muriate)				
1561 Wyndall's Farm Store, Owensboro	6.07	12.10	13.09	102.8
6-12-12 (Sulfate)				
1562 Wyndall's Farm Store, Owensboro	<u>5.00</u>	12.55	12.09 <sup>42</sup>	<u>96.6</u>
6-8-12 (Sulfate)				
1846 Estes Brothers, Richmond	<u>5.14</u>	8.10	13.37	97.8
2079 Elkhorn Supply Co., Forks of Elkhorn	<u>4.94</u>	10.20	<u>11.13</u>	100.8
6-8-6 (Muriate)				
1563 Young Feed Store, Hawesville	<u>5.33</u>	9.65	6.35	104.1
1847 Paintsville Grocery, Paintsville	6.35	8.00	6.99	105.1
2080 Farmers Feed Market, Bowling Green	<u>5.44</u>	9.00	6.68	102.5
6-8-6 (Sulfate)				
1244 John J. Carter, Waynesburg	5.78	9.20	6.82 <sup>43</sup>	106.4
1300 Barnett -Sullivan Co., Harrodsburg	6.03	8.65	6.83	105.6
1301 Powell Hackney Grocery, Beattyville	6.09	8.55	6.64	105.0
1564 Young's Feed Store, Hawesville	5.93	8.80	7.10	106.2
1565 Ratliff Brothers, Carlisle	6.31	8.25	6.66	105.2
1723 Fayette Seed Company, Lexington	5.81	8.60	6.40	102.6
1848 Paintsville Grocery, Paintsville	6.22	8.00	6.86	103.8
1849 Laurel Grocery Co., East Bernstadt	6.21	8.00	6.61	103.1

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>KNOXVILLE FERTILIZER COMPANY (Cont'd)</b>				
5-10-5 (Muriate)				
1433 Jellico Grocery, Harlan	<u>4.61</u>	10.00	6.29	100.3
1850 J. B. Pratt and Company, Cornettsville	<u>4.71</u>	9.95	5.95	100.0
1974 R. H. Perkins and Son, Woodbine	4.94	11.00	5.74	106.4
4-12-12 (Sulfate)				
1245 Kennedy Supply Co., Liberty	4.10	<u>11.28</u>	12.40	98.5
4-12-8 (Muriate)				
1975 Baird and Brummett, Corbin	3.95	11.90	8.40	100.1
2081 Sanders Supply, Lancaster	4.14	<u>11.25</u>	9.16	100.2
4-12-8 (Sulfate)				
1566 Ratliff Brothers, Carlisle	4.22	<u>9.50</u>	9.12	<u>92.7</u>
1567 Young's Feed Store, Hawesville	4.22	12.78	8.42	105.9
1724 G. H. Bowles and Son, Glasgow	4.11	12.00	8.30 <sup>44</sup>	101.4
4-12-4 (Muriate)				
1851 Madison Farmers Supply, Richmond	4.12	<u>11.10</u>	4.19	<u>96.9</u>
4-12-0				
1568 Sanders Supply, Lancaster	4.04	<u>11.55</u>	---	97.8
1569 Frankfort Grocery, Frankfort	3.95	11.80	---	98.5
4-8-16 (Sulfate)				
1570 Frankfort Grocery, Frankfort	3.78	9.50	<u>15.68</u>	104.6
1852 Barnett and Sullivan Co., Harrodsburg	3.82	8.20	16.56	101.0
4-8-12 (Sulfate)				
1571 Young's Feed Store, Hawesville	4.26	12.23	9.04	115.7
1572 Sanders Supply, Lancaster	4.02	9.20	<u>12.47</u>	107.3
1573 Frankfort Grocery, Frankfort	4.18	8.35	12.59	104.6
1853 Barnett and Sullivan Co., Harrodsburg	4.05	8.70	12.64	105.5
4-8-8 (Muriate)				
1976 A. F. Sumpter, Rockhold	4.34	8.50	7.76	104.9
3-12-12 (Muriate)				
1302 Western Kentucky State Hospital, Hopkinsville	3.10	12.10	<u>11.48</u>	100.0



Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
<b>KNOXVILLE FERTILIZER COMPANY (Cont'd)</b>				
3-12-12 (Muriate) Cont'd				
1303 Kentucky State Reformatory, LaGrange	3.02	12.30	12.11	101.7
1434 Valley Hill Store, Springfield	3.12	12.00	12.18	101.2
1435 W. C. Turner, Greensburg	<u>2.74</u>	12.90	11.89	102.0
1574 Wyndall's Farm Store, Owensboro	3.15	12.00	12.14	101.3
1575 Sanders Supply, Lancaster	2.99	12.40	12.47	102.8
3-12-12 (Muriate) with 3 percent Borax				
2082 Bill Quarles, Frankfort (a)	3.10	11.75	12.04	99.6
3-12-12 (Sulfate)				
1175 Amburgey's Farm Supply, Mt. Sterling	3.04	12.05	12.06	100.6
3-9-18 (Muriate)				
1576 Young's Feed Store, Hawesville	2.97	9.40	<u>15.54</u>	<u>96.1</u>
3-9-18 (Sulfate)				
1577 Young's Feed Store, Hawesville	2.96	9.50	<u>17.46</u>	100.8
1854 Barnett and Sullivan Co., Harrodsburg	3.29	9.30	18.22	103.8
2083 Bill Quarles, Frankfort	3.11	9.30	17.96 <sup>45</sup>	102.0
3-9-6 (Muriate)				
1304 Powell Hackney Grocery, Beattyville	3.07	10.70	6.35	112.0
1436 Jellico Grocery, Harlan	3.07	9.00	6.57	102.4
1578 McCauley Brothers Seed Co., Versailles	2.82	10.75	6.32	109.9
1579 Wyndall's Farm Store, Owensboro	2.92	9.75	6.37	104.8
1725 Amburgey's Farm Supply, Mt. Sterling	3.07	8.90	6.63	101.9
1856 Inez Wholesale Grocery, Inez	3.23	10.00	7.31	112.1
1977 Baird and Brummett, Corbin	3.11	9.80	7.06	109.1
2084 Bill Quarles, Frankfort	3.44	9.20	15.98	135.5
2085 Allen County Mills, Scbttsville	2.95	11.20	6.48	114.3
3-9-6 (Sulfate)				
1246 Hobart and Milton Roberts, Monticello	3.26	9.30	6.19	104.8
1305 Grabmeyer Coal and Lumber CO., London	2.99	10.20	6.16 <sup>46</sup>	107.7
1437 W. C. Turner, Greensburg	2.79	9.70	6.13	102.7
1438 Farmers Feed and Supply Co., London	3.13	<u>8.60</u>	6.64	100.7

a. Boron Guaranteed 0.34 percent - found 0.32 percent

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
KNOXVILLE FERTILIZER COMPANY (Cont'd)				
3-9-6 (Sulfate) Cont'd				
1580 Mrs. Raymond Morris, McKee	3.14	<u>8.63</u>	5.99	99.0
1581 Wyndall's Farm Store, Owensboro	3.32	9.60	6.91	109.3
1855 Barnett and Sullivan Co., Harrodsburg	3.03	9.50	6.27	104.1
2-12-6 (Muriate)				
1857 Hagan, Landrum and Stone, Tompkinsville	2.34	12.70	6.32	107.6
2086 Farmers Feed Market, Bowling Green	2.45	12.20	6.93	107.4
0-14-14 (Muriate)				
1582 Young's Feed Store, Hawesville	---	15.90	<u>11.31</u>	102.6
0-12-12 (Muriate)				
1726 G. H. Bowles and Son, Glasgow	---	12.50	11.82	102.3
1727 Kennedy Supply, Liberty	---	<u>10.45</u>	<u>9.82</u>	<u>85.3</u>
1858 Gray's Hardware, Gray	---	12.20	13.43	105.1
47% Superphosphate				
1176 Farmers Feed Market, Bowling Green	---	47.95	---	102.0
20% Superphosphate				
1177 Farmers Feed Market, Bowling Green	---	20.13	---	100.7
1178 Stagg Brothers, Vanceburg	---	20.15	---	100.8
1247 A. P. Vaught & Co., Science Hill	---	20.15	---	100.8
1248 John J. Carter, Waynesburg	---	20.08	---	100.4
1306 Barnett and Sullivan Co., Harrodsburg	---	20.20	---	101.0
1439 Jack Shirley Hardware, Edmonton	---	20.10	---	100.5
1583 Wyndall's Farm Store, Owensboro	---	20.40	---	102.0
1978 Allison Shipp, Campbellsville	---	21.60	---	108.0
2087 Farmers Feed Market, Bowling Green	---	<u>19.45</u>	---	97.3
16% Nitrate of Soda				
1979 Interstate Grocery, Jellico	16.16	---	---	101.0
60% Muriate of Potash				
1249 John J. Carter, Waynesburg	---	---	61.72	102.9
1728 Fayette Seed Co., Lexington	---	---	61.52	102.5
1729 Amburgey's Farm Supply, Mt. Sterling	---	---	<u>59.36</u>	98.9

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
<b>KNOXVILLE FERTILIZER COMPANY (Cont'd)</b>				
50% Muriate of Potash 1859 G. H. Bowles and Son, Glasgow	---	---	52.44	104.9
48% Sulfate of Potash 1584 Wyndall's Farm Store, Owensboro	---	---	50.48	105.2
<b>LION OIL COMPANY, EL DORADO, ARKANSAS</b>				
33.5% Ammonium Nitrate 1250 Otta Bray Co., Gamaliel	33.40	---	---	99.7
1307 J. O. Edington, Manager Kentucky State Reformatory, La Grange	33.76	---	---	100.8
<b>MATHIESON CHEMICAL COMPANY, MORGANTOWN, WEST VIRGINIA</b>				
82% Anhydrous Ammonia 2375 Covington Fertilizer Co., Morganfield	82.00	---	---	100.0
2376 Elizabethtown Anhydrous Ammonia Co., Elizabethtown	82.00	---	---	100.0
2377 Shaker Feed and Seed Co., South Union	82.00	---	---	100.0
2378 J. C. Sanford, Hopkinsville	82.00	---	---	100.0
<b>MIDSOUTH CHEMICAL COMPANY, MEMPHIS, TENNESSEE</b>				
82% Anhydrous Ammonia 2379 Nitrogen Fertilizer Service, Owensboro	82.00	---	---	100.0
<b>MISSOURI PLANT FOOD COMPANY, SIKESTON, MISSOURI</b>				
8-8-8 (Muriate) 1251 Yopp Seed Co., Paducah	8.31	8.40	8.67	105.6
<b>MORRIS FERTILIZER COMPANY, See ARMOUR FERTILIZER WORKS</b>				
<b>NATIONAL TUBE COMPANY, DIV. OF U. S. STEEL CORP., LORAIN, OHIO</b>				
20.6% Ammonium Sulfate 1756 Julius and Carl Fister, Lexington	21.08	---	---	102.3
<b>NORTH AMERICAN FERTILIZER COMPANY, LOUISVILLE, KENTUCKY</b>				
6-8-6 (Muriate) 1586 Allen County Farmers Service, Scottsville	6.24	7.75	5.93	100.4

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
NORTH AMERICAN FERTILIZER COMPANY (Cont'd)				
6-8-6 (Muriate) Cont'd				
1730 Embrey Tractor and Supply Co., Shively	<u>5.38</u>	7.75	7.48	97.8
2088 Hillenmyer Nurseries, Lexington	<u>5.60</u>	7.75	6.89	98.0
6-8-6 (Sulfate)				
1110 R. D. Reynolds, Cave City	6.04	8.25	6.55 <sup>47</sup>	102.9
1441 Paul Holt, Campbellsville	6.52	<u>7.60</u>	7.00	104.4
1587 T. M. Ruggles, Vanceburg	6.27	<u>8.10</u>	6.00	102.5
1588 Fletcher Taylor and Son., Nicholasville	<u>5.33</u>	8.05	6.71	<u>97.0</u>
1589 Allen Morris, Lancaster	<u>5.81</u>	8.08	6.45	<u>100.1</u>
1731 McCauley and Kendall, Cynthiana	5.98	8.20	6.86	103.0
1732 Leitchfield Transfer Co., Leitchfield	6.02	8.00	6.30	100.9
1860 R. S. Bond, Ghent	6.05	<u>7.70</u>	6.40	99.9
1980 Youngs Seed House, Campbellsville	5.89	<u>8.10</u>	6.32	100.5
1981 Dorsey Brothers and Fisher, Carlisle	<u>5.51</u>	8.00	6.79	98.3
5-10-15 (Sulfate)				
1136 J. M. Milling Co., Frankfort	5.16	<u>9.70</u>	15.20 <sup>48</sup>	100.2
1309 George Frend, Eminence	5.08	<u>9.45</u>	15.28	98.8
1590 J. B. Lucas Feed and Seed Co., Franklin	5.16	9.75	<u>14.58</u>	99.1
1591 Allen Morris, Lancaster	5.05	9.75	<u>14.56</u>	98.4
1592 W. E. Martin Store, Mt. Olivet	5.13	<u>9.30</u>	<u>15.01</u> <sup>49</sup>	98.0
1593 Estes Store, Frankfort	4.98	<u>9.75</u>	<u>14.60</u>	98.1
1733 McCauley and Kendall, Cynthiana	5.43	9.75	16.36	104.3
1861 M. V. Frisby, Frankfort	5.18	10.05	<u>13.37</u>	98.0
5-10-10 (Sulfate)				
1310 Carroll County Farm Bureau Coop., Carrollton	5.17	<u>9.20</u>	10.66	99.0
4-8-12 (Sulfate)				
1179 P. K. Donovan, Carlisle	4.47	8.00	12.28	104.2
1442 J. B. Wade, Lebanon	4.42	<u>7.58</u>	12.67	102.7
1594 Allen Morris, Lancaster	3.99	<u>8.00</u>	12.03	100.0
1595 T. M. Ruggles, Vanceburg	4.08	7.80	<u>11.73</u>	98.9
1982 Dorsey and Fisher, Carlisle	4.11	8.00	<u>12.18</u> <sup>50</sup>	101.3
2089 J. M. Milling Co., Frankfort	4.48	<u>7.55</u>	11.90	101.1
3-12-12 (Muriate)				
1137 J. M. Milling Co., Frankfort	3.31	<u>11.70</u>	12.56	102.0
1443 Paul Holt, Campbellsville	3.28	<u>11.20</u>	12.09	98.5

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
NORTH AMERICAN FERTILIZER COMPANY (Cont'd)				
3-12-12 (Muriate) Cont'd				
1734 McCauley and Kendall, Cynthiana	3.10	<u>11.08</u>	12.13	<u>96.9</u>
2090 Eastern State Hospital, Lexington	3.36	11.80	12.06	101.6
2091 Kentucky Training Home, Frankfort	3.20	<u>9.90</u>	12.34	<u>92.8</u>
2092 Kentucky House of Reform, Greendale	3.15	11.80	12.64	101.5
3-9-6 (Muriate)				
1444 Renfro Supply Co., Williamsburg	4.66	<u>7.20</u>	6.05	104.3
1596 Allen Morris, Lancaster	3.23	<u>8.30</u>	5.93	97.6
1735 Embry Tractor and Supply Co., Shively	2.92	9.15	6.38	101.3
1862 Jetts Grocery, Jackson	3.23	9.35	6.88	106.9
1983 Youngs Seed House, Campbellsville	3.28	<u>8.60</u>	6.05	100.3
2-12-6 (Muriate)				
1445 J. B. Wade, Lebanon	2.39	<u>11.38</u>	6.27	100.6
1597 J. B. Lucas Feed and Seed Co., Franklin	2.27	<u>11.25</u>	6.89	100.6
1863 Laswell Milling Co., Brodhead	2.48	<u>10.40</u>	7.04	98.0
1984 W. R. Kendall, Campbellsville	2.68	<u>11.28</u>	6.30	102.5
0-20-20 (Muriate)				
1311 Carrollton County Farm Bureau Coop., Carrollton	---	<u>17.40</u>	20.04	<u>91.4</u>
20% Superphosphate				
1312 George Frend, Eminence	---	20.15	---	100.8
1351 Everett Woosley General Store, Racine	---	20.40	---	102.0
1864 Laswell Milling Co., Brodhead	---	20.90	---	104.5
2093 Eastern State Hospital, Lexington	---	20.70	---	103.5
60% Muriate of Potash				
1598 Allen County Farmers Service, Scottsville	---	---	<u>57.20</u>	<u>95.3</u>
48% Sulfate of Potash				
1138 J. M. Milling Co., Frankfort	---	---	49.64	103.4
1446 Campbellsville Milling Co., Campbellsville	---	---	<u>41.96</u> <sup>51</sup>	<u>87.4</u>
1599 E. W. Barker, Bryantsville	---	---	<u>48.96</u> <sup>52</sup>	102.0
1736 McCauley and Kendall, Cynthiana	---	---	47.84	99.7

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>OHIO VALLEY FERTILIZER CORPORATION, MAYSVILLE, KENTUCKY</b>				
6-8-12 (Sulfate)				
1737 Douglas McLoney, Cynthiana	5.94	8.10	<u>11.67</u>	99.3
1738 Virgil Stallard, Olive Hill	5.87	8.10	<u>12.41</u>	100.5
6-8-6 (Sulfate)				
1447 Franklin Wholesale Co., Ashland	5.76	8.40	6.48	101.4
1739 Douglas McLoney, Cynthiana	5.98	8.20	5.88	100.6
1985 Bradley's Grocery, Moorefield	5.81	8.70	<u>5.49</u>	100.8
5-10-15 (Sulfate)				
1253 C. A. Rabourn and Son, Lawton	5.00	10.40	14.84	101.3
1601 T. P. Black, Augusta	5.16	10.45	14.95	102.7
1740 Douglas McLoney, Cynthiana	5.05	10.00	<u>14.52</u>	99.3
1865 Bisset and Cummins, Harrodsburg	5.18	10.10	15.67	102.8
5-10-10 (Muriate)				
1602 T. P. Black, Augusta	5.13	9.95	10.06	100.8
5-10-10 (Sulfate)				
1603 Ohio Valley Fertilizer Co., Maysville	5.55	9.80	10.35	103.6
1741 C. A. Rabourn, Lawton	5.07	10.10	10.52	102.1
1742 Douglas McLoney, Cynthiana	5.15	10.10	10.42	102.4
2094 Montgomery Feed Store, Grayson	4.96	10.05	10.05	99.8
4-12-8 (Sulfate)				
1743 Douglas McLoney, Cynthiana	3.91	12.45	8.00	101.4
3-12-12 (Muriate)				
1744 Douglas McLoney, Cynthiana	3.16	11.95	12.73	102.5
3-9-6 (Sulfate)				
1745 C. A. Rabourn and Sons, Lawton	2.98	8.95	6.44	100.8
2-12-6 (Muriate)				
1866 M. E. McGahan and Co., Paintsville	2.05	12.10	6.45	102.2
0-14-14 (Muriate)				
2095 Montgomery Feed Store, Grayson	-----	13.90	<u>12.72</u>	<u>96.5</u>

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>PHILLIPS CHEMICAL COMPANY, BARTLESVILLE, OKLAHOMA</b>				
33% Ammonium Nitrate				
1254 Joe McBrayer, Morehead	33.68	----	----	102.1
1746 Brown's Auto Electric, West Liberty	33.36	----	----	101.1
1867 Salyersville Wholesale Grocery, Salyersville	33.52	----	----	101.6
<b>PRICE CHEMICAL COMPANY, LOUISVILLE, KENTUCKY</b>				
6-8-8 (Muriate)				
1313 Chas. and Willard Mann, Wellington	5.77	9.10	7.95	103.5
1352 Roscoe Meadows, Clay City	6.63	7.90	9.03	106.5
1353 B. B. Landrum General Mdse. Horse Branch	<u>5.41</u>	9.00	8.95	102.8
6-8-8 (Sulfate)				
1180 Monarch Milling Co., Mt. Sterling	5.84	8.80	8.41	103.6
1255 M. B. Fox, Winchester	5.84	8.90	8.26	103.8
1986 Sherman Bengé, London	6.54	8.20	8.92	107.0
1987 Youngs Seed House, Campbellsville	5.99	7.83	8.88	101.2
1988 Roscoe Meadows, Clay City	6.26	8.00	8.54	103.1
1989 Fox Brothers, Winchester	<u>5.57</u>	9.60	7.77	104.0
5-10-15 (Muriate)				
1256 M. B. Fox, Winchester	5.05	10.60	15.96	104.6
5-10-15 (Sulfate)				
1358 James Davenport, Sahaha	5.02	10.15	15.73	102.2
1990 Fox Brothers, Winchester	4.94	10.80	15.05 <sup>53</sup>	102.9
1991 Roscoe Meadows, Clay City	5.53	9.78	16.14	104.6
2096 J. A. Oldfield, Mize	5.79	9.80	15.98	105.9
3-12-12 (Muriate)				
1747 A. L. Hazle., Hodgenville	3.28	12.05	13.41	105.2
1748 St. Matthews Produce Exchange, St. Matthews	3.51	12.25	13.24	107.3
3-9-6 (Muriate)				
1181 Monarch Milling Co., Mt. Sterling	3.83	8.88	8.10	113.2
1314 Chas. and Willard Mann, Wellington	4.07	9.00	8.46	117.2

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>PRICE CHEMICAL COMPANY (Cont'd)</b>				
2-12-6 (Muriate)				
1448 Coomer Feed Store, Columbia	2.12	12.10	6.36	102.6
1749 Oscar Farmer and Son, Louisville	2.55	12.05	7.80	109.9
2097 Y. P. Snell, Bowling Green	2.36	12.50	7.48	109.1
0-12-12 (Muriate)				
1750 St. Matthews Produce Exchange, St. Matthews	----	12.60	12.20	103.9
1868 Henderson Underwood Implement Company, Hopkinsville	----	11.75	12.18	99.1
20% Superphosphate				
1315 Chas. and Willard Mann, Wellington	----	19.90	----	99.5
1354 Roscoe Meadows, Clay City	----	20.40	----	102.0
1449 Coomer Feed Store, Columbia	----	20.20	----	101.0
60% Muriate of Potash				
2098 W. G. O'Nan, Frankfort	----	----	60.00	100.0
50% Sulfate of Potash				
1450 Caulk Hardware, Campbellsville	----	----	50.64	101.3
<b>CONSOLIDATED CHEMICAL COMPANY, DIV. OF PRICE CHEMICAL CO., LOUISVILLE, KY.</b>				
6-8-8 (Muriate)				
1668 Valley Farm Stores, Valley Station	5.76	8.30	8.30	100.4
5-10-15 (Sulfate)				
1394 Stockton Brothers, Albany	5.43	9.77	16.56	104.8
1501 Kincaid General Merchandise, Hawesville	5.08	10.70	15.35	104.0
3-12-12 (Muriate)				
1395 Stockton Brothers, Albany	3.20	12.40	11.99	103.1
1502 Kincaid General Merchandise, Hawesville	3.05	12.90	<u>11.72</u>	103.7
2-12-6 (Muriate)				
1503 Kincaid General Merchandise, Hawesville	1.85	13.00	5.83	103.8
20% Superphosphate				
1504 Kincaid General Merchandise, Hawesville	----	19.90	----	99.5



Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
<b>A. F. PRINGLE AND COMPANY, INC., CHARLESTON, SOUTH CAROLINA</b>				
5-10-15 (Sulfate)				
2099 Henry County Farm and Home Service, Eminence	5.27	11.30	<u>13.75</u>	104.3
3-12-12 (Muriate)				
1869 Farmers Service Store, Tompkinsville	3.27	12.05	12.23	102.5
1992 Clay County Farm Service, Manchester	3.37	12.05	11.93	102.5
2100 Southern States Cooperative, Bowling Green	2.98	12.50	12.84	104.0
20% Superphosphate				
1139 Southern States Cooperative, Shelbyville	----	20.50	----	100.3
1182 Jackson and Company Farm Supply, McKee	----	20.50	----	102.5
1257 Morgan Farm Store, West Liberty	----	20.10	----	100.5
1585 Farmers Service Store, Hardinsburg	----	20.60	----	103.0
1751 Rowan Farmers Supply, Morehead	----	20.70	----	103.5
1993 Southern States Cooperative, London	----	20.55	----	102.8
<b>O. M. SCOTT AND SONS COMPANY, MARYVILLE, OHIO</b>				
9-7-4 (Muriate)				
1752 Corbett Hardware, Elizabethtown	8.76	7.90	5.17	105.0
2101 Hillenmeyer Nurseries, Lexington	9.22	7.80	4.58	106.3
<b>THE SMITH AGRICULTURAL CHEMICAL COMPANY, INDIANAPOLIS, INDIANA</b>				
4-12-4 (Muriate)				
1753 Bunton Seed Co., Louisville	4.13	12.00	5.32	104.3
<b>SPENCER CHEMICAL COMPANY, KANSAS CITY, MISSOURI</b>				
33.5% Ammonium Nitrate				
1316 Farmers Supply Co., Shelbyville	33.68	----	----	100.5
1355 Roscoe Meadows, Clay City	33.88	----	----	101.1
1451 Montgomery Feed Store, Grayson	33.92	----	----	101.3
1995 W. R. Kendall, Campbellsville	33.88	----	----	101.1

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
<b>SWIFT AND COMPANY PLANT FOOD DIVISION, NATIONAL STOCK YARDS, ILLINOIS</b>				
12-12-12 (Muriate) 2102 Stanley Penn and Sons, Lexington	<u>11.74</u>	<u>10.85</u>	12.18	<u>96.0</u>
6-10-4 (Muriate) 1183 Monarch Milling Co., Mt. Sterling	6.02	10.00	4.95	102.4
1452 The Mitchell Co., Corbin	5.82	10.00	4.29	99.4
1453 Grisby and Co., Bardstown	5.97	9.75	4.42	99.6
1605 Calloway County Soil Improvement Association, Murray	<u>5.07</u>	<u>9.30</u>	8.28	100.2
1606 Farmers Feed Market, Bowling Green	5.91	10.03	5.25	102.5
1754 Dixie Lawn Supply, Louisville	6.06	10.50	4.19	103.3
1996 Harlan Fruit Co., Harlan	6.08	9.80	4.42	101.1
5-10-5 (Muriate) 1454 Harlan Fruit Co., Harlan	4.82	10.50	5.46	102.3
4-24-12 (Muriate) 1997 Morganfield Hardware Co., Morganfield	3.97	<u>23.53</u>	12.60	99.4
4-8-12 (Sulfate) 1455 Allison Shipp, Campbellsville	4.34	8.55	<u>11.47</u>	104.0
1456 J. H. McClure and Son, Springfield	4.08	8.00	12.19	101.1
1755 Stanley Penn, Lexington	4.23	8.30	11.93	103.1
1870 Cayce and Yoist, Hopkinsville	4.07	8.30	12.51	103.3
2103 Stanley Penn and Son, Lexington	4.15	8.50	11.87	103.3
2104 J. W. Settle Feed Store, Frankfort	4.18	8.30	12.37	103.8
0-20-20 (Muriate) 1871 Morganfield Hardware, Morganfield	----	<u>19.20</u>	21.14	99.2
<b>TENNESSEE CHEMICAL COMPANY, See ARMOUR FERTILIZER WORKS TENNESSEE CORPORATION, CINCINNATI, OHIO, NEW ALBANY, INDIANA</b>				
10-10-10 (Muriate) 1757 Alfred Marks, Lexington	<u>9.66</u>	10.50	10.07	100.2
2002 Bi-County Farm Bureau Co-op., Erlanger	<u>9.46</u>	10.55	10.21	99.5
5-10-15 (Sulfate) 1356 Spears and Kiser, Paris	5.18	10.00	15.83	102.7
1458 Haydon Mill and Grain, Lebanon	5.09	10.10	15.90	102.7
1758 Farmers Feed Mill, Lexington	5.27	10.10	15.88	103.8
1875 G. G. Wood Hardware, Carrollton	<u>4.63</u>	11.25	14.82	102.4
2003 Bi-County Farm Bureau Co-op., Erlanger	5.20	10.15	15.65	103.1

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
TENNESSEE CORPORATION (Cont'd)				
5-10-10 (Muriate) 2106 Lester L. Lynd and Sons, Ashland	5.08	10.30	10.52	103.0
5-10-10 (Sulfate)				
1258 Farmers Supply, Monticello	5.31	10.10	10.66	104.0
1319 Cayce and Yoist, Hopkinsville	5.00	9.70	10.23	99.2
1459 Haydon Mill and Grain, Springfield	4.87	11.00	10.89	105.6
2004 W. R. Catron and Son, Campton	5.22	9.90	10.51	102.2
2005 Bi-County Farm Bureau Co-op. Erlanger	5.38	10.05	10.95	104.9
2107 Lester L. Lynd and Sons, Ashland	5.32	10.30	10.75	105.1
4-24-12 (Muriate)				
1320 Cayce and Yoist, Hopkinsville	3.98	23.85	12.37	100.0
1760 Leitchfield Transfer Co., Leitchfield	4.03	24.20	12.34	101.2
4-12-8 (Sulfate)				
1259 Leitchfield Transfer, Leitchfield	3.95	11.65	9.27	101.0
1321 Cayce Yoist, Hopkinsville	3.96	11.65	8.97	100.3
1761 Union Grocery, Morehead	4.12	12.15	8.48	102.6
1876 H. T. Roberts, Frenchburg	4.03	12.05	8.66	101.9
2108 D. B. Saylor, Mt. Vernon	4.07	12.40	8.74	104.0
3-12-12 (Muriate)				
1260 Farmers Supply, Monticello	3.17	12.30	12.56	103.7
1762 Union Grocery, Morehead	3.26	11.90	12.85	103.2
2006 Bi-County Farm Bureau, Erlanger	3.23	11.98	12.22	101.9
2-12-6 (Muriate)				
1763 Union Grocery, Morehead,	2.18	12.10	6.61	104.0
0-20-20 (Muriate)				
1877 H. T. Roberts, Frenchburg	----	19.90	20.36	100.3
2007 Bi-County Farm Bureau, Erlanger	----	19.95	21.16	101.8
20% Superphosphate				
1261 John S. Elliott Store, Middlesburg	----	20.80	----	104.0
1460 Haydon Mill and Grain Co., Lebanon	----	20.20	----	101.0
1764 Farmers Supply Co., Monticello	----	20.30	----	101.5
1878 Walters and Thompson, Shelbyville	----	20.90	----	104.5
2008 Bi-County Farm Bureau, Erlanger	----	20.75	----	103.8

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
<b>TENNESSEE CORPORATION (Cont'd)</b>				
48% Sulfate of Potash				
2009 Crab Orchard Farm Service, Crab Orchard	----	----	49.96	103.9
2109 Henry County Farm and Home Supply, Eminence	----	----	51.20 <sup>54</sup>	106.7
<b>VALLEY COUNTIES OF KENTUCKY COOPERATIVE, MURRAY, KENTUCKY</b>				
0-30-30 (Muriate)				
1765 Southern States Cooperative, Glasgow	----	31.85	<u>27.46</u>	101.3
62% Calcium Metaphosphate				
1607 Calloway County Soil Improvement Association, Murray	----	62.00	----	100.0
47% Superphosphate				
1608 Calloway County Soil Improvement Association, Murray	----	47.40	----	100.9
<b>VIRGINIA - CAROLINA CHEMICAL CORPORATION, CINCINNATI, O., MT. PLEASANT, TENN.</b>				
10-10-10 (Muriate)				
1140 Shelby Feed and Seed Co., Shelbyville	9.93	10.65	10.20	102.1
1322 H. T. Roberts, Frenchburg	9.46	10.45	9.96	98.7
1357 Woodford Spears and Son, Paris	<u>9.10</u>	10.50	10.25	<u>97.6</u>
1766 Hardin County Mills, Elizabethtown	<u>9.74</u>	10.30	10.28	100.2
6-8-6 (Sulfate)				
1323 Farm Equipment Co., Bedford	6.03	7.90	6.22	100.3
1461 Knox County Supply, Barbourville	6.01	8.20	6.29	101.8
1611 Jett Coal and Supply Co., Jett	5.85	8.15	6.42	100.7
1612 Dodds Corner, Nicholasville	5.99	8.05	6.11	100.4
1613 R. A. Stowers, Owensboro	5.69	9.40	7.34 <sup>55</sup>	108.0
1879 Glenwood Hatchery, Carrollton	<u>5.73</u>	8.60	6.60	102.5
2110 J. W. Purkey and Sons, Berea	<u>5.74</u>	8.50	6.44	101.6
2111 Bryan-Hunt Co., Lexington	<u>5.84</u>	8.60	6.30	102.6
5-10-16 (Sulfate)				
1462 E. Paul Clark, Lebanon	5.32	10.75	16.07	105.0
1609 Stagg Brothers, Vanceburg	5.28	10.45	16.30	104.0
1880 Bisset and Cummins, Harrodsburg	5.22	11.05	<u>15.51</u>	104.4
5-10-10 (Muriate)				
1614 R. A. Stowers, Owensboro	4.85	11.10	10.34	104.6
1881 Kentucky Wholesale Co., Pikeville	5.07	11.70	10.82	109.8
1882 Glenwood Hatchery, Carrollton	4.93	11.40	11.28	108.6

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guarant- eed Relative Value Found
VIRGINIA -CAROLINA CHEMICAL CORPORATION (Cont'd)				
5-10-10 (Sulfate)				
1324 Casteel Hardware Co., East Bernstadt	5.02	<u>9.58</u>	10.06	98.4
1463 Knox County Supply, Barbourville	4.93	<u>9.20</u>	10.13	<u>96.3</u>
1610 Stagg Brothers, Vanceburg	4.87	<u>9.55</u>	10.21	<u>97.6</u>
2010 Elford Hayes, Russell Springs	5.31	<u>9.15</u>	10.51	<u>99.4</u>
4-12-8 (Muriate)				
2011 Elford Hayes, Russell Springs	4.28	11.85	8.85	103.2
3-12-12 (Muriate)				
2012 R. A. Stowers, Owensboro	3.10	11.80	12.67	101.3
3-9-6 (Muriate)				
1325 Casteel Hardware, East Bernstadt	3.21	9.40	7.09	107.6
1615 Dodds Corner, Nicholasville	3.29	9.25	6.83	106.7
1616 Jett Coal and Supply Co., Jett	3.26	<u>8.68</u>	6.73	102.6
1883 Mountain Wholesale Grocery, Lothair	3.32	<u>8.50</u>	6.57	101.6
1884 Shelby Feed and Seed Co., Shelbyville	3.22	<u>8.50</u>	6.96	101.9
2112 Greenup Milling Co., Greenup	3.50	<u>9.40</u>	6.34	108.0
2113 Bryan-Hunt Co., Lexington	3.26	9.40	5.90	104.5
2-12-6 (Muriate)				
1617 Sam Nahm, Bowling Green	2.08	12.40	6.05	103.0
2114 Sam Nahm, Bowling Green	2.25	12.00	6.42	103.2
0-20-20 (Muriate)				
1464 E. Paul Clark, Lebanon	---	20.28	20.88	102.4
0-12-12 (Muriate)				
1885 H. T. Roberts, Frenchburg	---	12.00	12.51	101.4
2115 Agnes Davis, Russellville	---	12.60	11.92	103.1
20% Superphosphate				
1184 Monarch Milling Co., Mt. Sterling	---	21.00	---	106.0
1326 Casteel Hardware Co., East Bernstadt	---	20.15	---	100.8
1327 Farm Equipment Co., Bedford	---	20.10	---	100.5
1466 Grisby and Co., Bardstown	---	20.25	---	101.3
1467 W. L. Rogers and Son, Columbia	---	20.15	---	100.8
1886 H. T. Roberts, Frenchburg	---	20.50	---	102.5
1887 Hopkinsville Implement Co., Hopkinsville	---	<u>19.60</u>	---	98.0
1888 Kentucky Wholesale Co., Pikeville	---	21.00	---	105.0
2013 Dudgeon and Robinson, Campbellville	---	20.25	---	101.3

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Percent of Guar- anteed Relative Value Found
VIRGINIA -CAROLINA CHEMICAL CORPORATION (Cont'd)				
45% Superphosphate 1465 Grisby and Co., Bardstown	----	47.28	----	105.1
48% Sulfate of Potash 1468 E. Paul Clark, Lebanon	----	51.60	----	107.5
JACK WEAVER, UNITED GAS COMPANY, PARIS, TENNESSEE				
82% Anhydrous Ammonia 2380 Herman K. Ellis, Murray	82.00	----	----	100.0
2381 Elbert Hutson and Sons, Murray	82.00	----	----	100.0

Amount of excess muriate when guaranty for potash was not met. Numerals on left correspond to same numerals in potash columns of Table I.

1. Excess muriate equivalent to 0.40% potash
2. Excess muriate equivalent to 0.43% potash
3. Excess muriate equivalent to 0.34% potash
4. Excess muriate equivalent to 2.40% potash
5. Excess muriate equivalent to 1.17% potash
6. Excess muriate equivalent to 1.59% potash
7. Excess muriate equivalent to 1.45% potash
8. Excess muriate equivalent to 1.21% potash
9. Excess muriate equivalent to 0.32% potash
10. Excess muriate equivalent to 7.26% potash
11. Excess muriate equivalent to 2.93% potash
12. Excess muriate equivalent to 2.42% potash
13. Excess muriate equivalent to 0.55% potash
14. Excess muriate equivalent to 0.42% potash
15. Excess muriate equivalent to 1.78% potash
16. Excess muriate equivalent to 0.31% potash
17. Excess muriate equivalent to 3.03% potash
18. Excess muriate equivalent to 0.37% potash
19. Excess muriate equivalent to 1.01% potash
20. Excess muriate equivalent to 2.32% potash
21. Excess muriate equivalent to 0.42% potash
22. Excess muriate equivalent to 3.60% potash
23. Excess muriate equivalent to 0.49% potash
24. Excess muriate equivalent to 1.63% potash
25. Excess muriate equivalent to 0.81% potash
26. Excess muriate equivalent to 0.47% potash
27. Excess muriate equivalent to 0.48% potash
28. All potash from muriate

Amount of excess muriate when guaranty for potash was not met. Numerals on left correspond to same numerals in potash columns of Table I.

29. Excess muriate equivalent to 0.48% potash
30. Excess muriate equivalent to 1.45% potash
31. Excess muriate equivalent to 2.81% potash
32. Excess muriate equivalent to 0.42% potash
33. Excess muriate equivalent to 0.53% potash
34. Excess muriate equivalent to 2.56% potash
35. Excess muriate equivalent to 0.63% potash
36. Excess muriate equivalent to 0.87% potash
37. Excess muriate equivalent to 0.61% potash
38. Excess muriate equivalent to 0.67% potash
39. Excess muriate equivalent to 0.49% potash
40. Excess muriate equivalent to 1.90% potash
41. Excess muriate equivalent to 0.90% potash
42. Excess muriate equivalent to 1.61% potash
43. Excess muriate equivalent to 0.43% potash
44. Excess muriate equivalent to 0.40% potash
45. Excess muriate equivalent to 0.98% potash
46. Excess muriate equivalent to 0.53% potash
47. Excess muriate equivalent to 0.40% potash
48. Excess muriate equivalent to 0.59% potash
49. Excess muriate equivalent to 1.22% potash
50. Excess muriate equivalent to 0.32% potash
51. Excess muriate equivalent to 1.45% potash
52. Excess muriate equivalent to 1.90% potash
53. Excess muriate equivalent to 0.46% potash
54. Excess muriate equivalent to 4.55% potash
55. Excess muriate equivalent to 1.62% potash

TABLE 2- Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tri-Calcium Phosphate

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Phosphoric Acid		Percent of Guarant- eed Relative Value Found
	Available	Total	
	Guar. Found	Guar. Found	
ASSOCIATED COOPERATIVE, SHEFFIELD, ALABAMA			
16% Fused Tricalcium Phosphate			
1928 Princeton Mills, Princeton	16.00 16.45	28.00 28.60	102.5
CORONET PHOSPHATE COMPANY, PLANT CITY, FLORIDA			
Rock Phosphate			
1994 Bi-County Farm Bureau Co-op., Erlanger	---- ----	33.35 <u>32.80</u>	98.4
TENNESSEE COAL, IRON AND R. R. CO., DIV. OF U. S. STEEL CORP., BIRMINGHAM, ALABAMA			
Basic Slag			
2001 Allison Shipp, Campbellsville	---- ---	8.00 12.20	152.5
THOMPSON SALES COMPANY, MONTGOMERY, ALABAMA			
Soft Phosphate with Colloidal Clay			
1998 Wallace Hardware Co., South Carrollton	2.00 3.35	20.00 23.50	125.8