

**Distribution of Fertilizer Sales**  
**In**  
**Kentucky**  
**Fertilizer Year: 2019**  
**October through December 2018**

|               |            |
|---------------|------------|
| <b>Bagged</b> | <b>7%</b>  |
| <b>Bulk</b>   | <b>71%</b> |
| <b>Liquid</b> | <b>22%</b> |



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This tonnage report and others can be found on our web-site: [www.rs.uky.edu/](http://www.rs.uky.edu/)

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## DISTRIBUTION OF FERTILIZER SALES IN KENTUCKY

October through December 2018

## INTRODUCTION

This report provides data on fertilizer movement in Kentucky for the period of October through December 2018. The report shows total distribution for the current period and the previous comparable period; top grades and materials for the state; and, the distribution of total fertilizer and the top 10 grades by county.

All tonnage data in this publication are compiled from quarterly fertilizer reports submitted by companies registered or licensed to sell fertilizers in Kentucky.

We are now using the UFTRS Version 4 to publish our data. Our tonnage reports are also available on our internet site. Go to: <http://www.rs.uky.edu/>, click on "Fertilizer". Your suggestions to improve the reports are welcome. Please tell us what you want in a tonnage report and we will try to furnish it. Special requests are welcome. Please call Stephen McMurry, 859-257-2668.

## DATA DESCRIPTION

Some of the quarterly reports received from the companies show only the county to which the fertilizer was shipped. Since fertilizer shipped to one county may have been used in another the information shown may not exactly represent fertilizers used in a given county. Some of the reports reflect receipts of fertilizer materials by the blender and not actual sales to farmers; therefore, what appears to be sales of materials may only be a consequence of the way the materials are reported. Some of the materials may subsequently be sold as part of a blend.



Distribution of Fertilizer Sales in Kentucky October through December 2018

### Total Fertilizer Summary

Division of Regulatory Services University of Kentucky  
October 2018 through December 2018

|                | Total      | Container |           |           | Use        |          |
|----------------|------------|-----------|-----------|-----------|------------|----------|
|                |            | Bag       | Bulk      | Liquid    | Farm       | Nonfarm  |
| Multi-Nutrient | 51,030.88  | 4,371.93  | 45,516.10 | 1,142.85  | 47,621.50  | 3,409.38 |
| Nitrogen       | 39,107.78  | 714.71    | 10,094.80 | 28,298.28 | 36,677.07  | 2,430.71 |
| Phosphate      | 2,308.94   | 8.03      | 2,300.89  | 0.02      | 2,308.89   | 0.05     |
| Potash         | 37,008.47  | 3,051.59  | 33,909.55 | 47.34     | 36,840.64  | 167.83   |
| Organics       | 8.52       | 4.61      | 3.00      | 0.92      | 3.00       | 5.52     |
| Sec/Micro      | 511.38     | 259.12    | 231.29    | 20.97     | 437.38     | 73.99    |
| Miscellaneous  | 1,984.41   | 333.10    | 1,607.72  | 43.58     | 1,685.60   | 298.81   |
| Total          | 131,960.38 | 8,743.09  | 93,663.34 | 29,553.95 | 125,574.09 | 6,386.29 |

Percentage by container:

|        |        |
|--------|--------|
| Bagged | 6.63%  |
| Bulk   | 70.98% |
| Liquid | 22.39% |

Percentage by use:

|          |        |
|----------|--------|
| Farm     | 95.16% |
| Non-Farm | 4.84%  |

Distribution of Fertilizer Sales in Kentucky October through December 2018

**Historical Total Fertilizer**  
 Division of Regulatory Services University of Kentucky  
**Current- October 2018 through December 2018**  
 Historical - October 2017 through December 2017

|                | Total             |                   | Bag             |                 | Container Bulk    |                  | Liquid           |                  | Farm              |                   | Use Non-Farm    |                 |
|----------------|-------------------|-------------------|-----------------|-----------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|-----------------|-----------------|
|                | Historical        | Current           | Historical      | Current         | Historical        | Current          | Historical       | Current          | Historical        | Current           | Historical      | Current         |
| Multi-Nutrient | 62,528.20         | <b>51,030.88</b>  | 4,696.62        | <b>4,371.93</b> | 56,179.09         | <b>45,516.10</b> | 1,652.49         | <b>1,142.85</b>  | 59,466.64         | <b>47,621.50</b>  | 3,061.56        | <b>3,409.38</b> |
| Nitrogen       | 29,744.62         | <b>39,107.78</b>  | 608.83          | <b>714.71</b>   | 10,059.02         | <b>10,094.80</b> | 19,076.77        | <b>28,298.28</b> | 29,477.79         | <b>36,677.07</b>  | 266.83          | <b>2,430.71</b> |
| Phosphate      | 1,715.13          | <b>2,308.94</b>   | 13.12           | <b>8.03</b>     | 1,702.01          | <b>2,300.89</b>  | 0.00             | <b>0.02</b>      | 1,715.01          | <b>2,308.89</b>   | 0.12            | <b>0.05</b>     |
| Potash         | 45,042.16         | <b>37,008.47</b>  | 51.35           | <b>3,051.59</b> | 44,953.87         | <b>33,909.55</b> | 36.94            | <b>47.34</b>     | 44,977.05         | <b>36,840.64</b>  | 65.11           | <b>167.83</b>   |
| Organics       | 3.13              | <b>8.52</b>       | 3.13            | <b>4.61</b>     | 0.00              | <b>3.00</b>      | 0.00             | <b>0.92</b>      | 3.07              | <b>3.00</b>       | 0.06            | <b>5.52</b>     |
| Sec/Micro      | 1,816.28          | <b>511.38</b>     | 498.08          | <b>259.12</b>   | 1,302.27          | <b>231.29</b>    | 15.93            | <b>20.97</b>     | 1,463.13          | <b>437.38</b>     | 353.15          | <b>73.99</b>    |
| Miscellaneous  | 2,114.40          | <b>1,984.41</b>   | 171.88          | <b>333.10</b>   | 1,815.88          | <b>1,607.72</b>  | 126.64           | <b>43.58</b>     | 2,079.47          | <b>1,685.60</b>   | 34.93           | <b>298.81</b>   |
| <b>Total</b>   | <b>142,963.91</b> | <b>131,960.38</b> | <b>6,043.00</b> | <b>8,743.09</b> | <b>116,012.14</b> | <b>93,663.34</b> | <b>20,908.77</b> | <b>29,553.95</b> | <b>139,182.15</b> | <b>125,574.09</b> | <b>3,781.76</b> | <b>6,386.29</b> |

Percentage changed:

|          |         |
|----------|---------|
| Total    | -7.70%  |
| Bagged   | 44.68%  |
| Bulk     | -19.26% |
| Liquid   | 41.35%  |
| Farm     | 9.78%   |
| Non-Farm | 68.87%  |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Detail Fertilizer Summary

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

*Grades with 100 tons or more and reported by 3 or more shippers.*

| Code | Grade    | Total     | Bag      | Bulk      | Liquid    | Farm      | Non-Farm |
|------|----------|-----------|----------|-----------|-----------|-----------|----------|
| 0    | 6-24-6   | 129.32    | 0.00     | 0.00      | 129.32    | 129.32    | 0.00     |
| 0    | 9-23-30  | 1,566.43  | 0.00     | 1,543.43  | 23.00     | 1,566.43  | 0.00     |
| 0    | 10-10-10 | 248.55    | 247.61   | 0.00      | 0.94      | 247.34    | 1.21     |
| 0    | 19-19-19 | 367.11    | 354.41   | 12.70     | 0.00      | 364.04    | 3.07     |
| 0    | 25-0-5   | 804.66    | 804.66   | 0.00      | 0.00      | 0.00      | 804.66   |
| 0    | 30-0-4   | 157.64    | 157.64   | 0.00      | 0.00      | 0.00      | 157.64   |
| 2    | 82-0-0   | 1,184.54  | 0.00     | 91.92     | 1,092.62  | 1,184.54  | 0.00     |
| 10   | 34-0-0   | 248.90    | 7.04     | 241.86    | 0.00      | 245.90    | 3.00     |
| 24   | 21-0-0   | 605.11    | 25.17    | 579.94    | 0.00      | 603.82    | 1.30     |
| 58   | 28-0-0   | 11,814.32 | 0.00     | 0.00      | 11,814.32 | 11,814.26 | 0.06     |
| 59   | 30-0-0   | 2,594.47  | 0.00     | 0.00      | 2,594.47  | 2,591.85  | 2.61     |
| 60   | 32-0-0   | 12,748.82 | 0.00     | 317.35    | 12,431.47 | 12,748.82 | 0.00     |
| 61   | 46-0-0   | 2.00      | 0.00     | 0.00      | 2.00      | 0.00      | 2.00     |
| 66   | 46-0-0   | 9,201.60  | 438.63   | 8,762.97  | 0.00      | 7,052.64  | 2,148.96 |
| 203  | 18-46-0  | 18,797.61 | 81.03    | 18,703.03 | 13.56     | 18,797.61 | 0.00     |
| 209  | 11-52-0  | 3,630.52  | 0.00     | 3,630.52  | 0.00      | 3,630.52  | 0.00     |
| 267  | 0-46-0   | 1,989.86  | 8.03     | 1,981.83  | 0.00      | 1,989.83  | 0.03     |
| 297  | 12-40-0  | 2,067.25  | 0.00     | 2,067.25  | 0.00      | 2,067.25  | 0.00     |
| 428  | 0-0-60   | 32,418.26 | 3,034.10 | 29,359.44 | 24.72     | 32,278.70 | 139.56   |
| 443  | 0-0-22   | 800.83    | 1.26     | 799.58    | 0.00      | 799.58    | 1.26     |
| 463  | 0-0-50   | 1,832.50  | 6.48     | 1,826.02  | 0.00      | 1,827.10  | 5.40     |
| 702  | 0-0-0    | 4.08      | 0.00     | 4.08      | 0.00      | 4.08      | 0.00     |
| 706  | 0-0-0    | 27.91     | 25.08    | 2.81      | 0.02      | 27.91     | 0.00     |
| 720  | 0-0-0    | 0.10      | 0.10     | 0.00      | 0.00      | 0.10      | 0.00     |
| 722  | 0-0-0    | 0.45      | 0.00     | 0.00      | 0.45      | 0.45      | 0.00     |
| 726  | 0-0-0    | 84.00     | 84.00    | 0.00      | 0.00      | 0.00      | 84.00    |
| 730  | 0-0-0    | 4.26      | 4.20     | 0.00      | 0.06      | 4.26      | 0.00     |
| 731  | 0-0-0    | 0.03      | 0.00     | 0.03      | 0.00      | 0.03      | 0.00     |
| 732  | 0-0-0    | 134.15    | 0.47     | 133.68    | 0.00      | 133.68    | 0.47     |
| 733  | 0-0-0    | 4.49      | 0.00     | 0.00      | 4.49      | 4.49      | 0.00     |
| 742  | 0-0-0    | 12.25     | 1.05     | 11.20     | 0.00      | 12.25     | 0.00     |
| 745  | 0-0-0    | 3.31      | 0.00     | 0.00      | 3.31      | 3.31      | 0.00     |
| 749  | 0-0-0    | 0.93      | 0.00     | 0.00      | 0.93      | 0.93      | 0.00     |
| 754  | 0-0-0    | 0.50      | 0.50     | 0.00      | 0.00      | 0.50      | 0.00     |
| 764  | 0-0-0    | 10.36     | 10.36    | 0.00      | 0.00      | 0.00      | 10.36    |
| 765  | 0-0-0    | 5.55      | 4.00     | 0.00      | 1.55      | 5.55      | 0.00     |
| 766  | 0-0-0    | 23.46     | 23.46    | 0.00      | 0.00      | 0.00      | 23.46    |

Distribution of Fertilizer Sales in Kentucky October through December 2018

# Detail Fertilizer Summary

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

*Grades with 100 tons or more and reported by 3 or more shippers.*

| Code | Grade | Total    | Bag    | Bulk     | Liquid | Farm     | Non-Farm |
|------|-------|----------|--------|----------|--------|----------|----------|
| 767  | 0-0-0 | 27.65    | 27.65  | 0.00     | 0.00   | 0.00     | 27.65    |
| 770  | 0-0-0 | 360.35   | 208.31 | 152.04   | 0.00   | 360.35   | 0.00     |
| 773  | 0-0-0 | 7.00     | 3.00   | 0.00     | 4.00   | 7.00     | 0.00     |
| 778  | 0-0-0 | 12.00    | 12.00  | 0.00     | 0.00   | 12.00    | 0.00     |
| 780  | 0-0-0 | 65.38    | 8.76   | 56.62    | 0.00   | 65.38    | 0.00     |
| 782  | 0-0-0 | 54.42    | 54.42  | 0.00     | 0.00   | 54.42    | 0.00     |
| 784  | 0-0-0 | 6.90     | 0.00   | 0.00     | 6.90   | 6.90     | 0.00     |
| 797  | 0-0-0 | 167.50   | 50.89  | 102.11   | 14.49  | 165.45   | 2.05     |
| 798  | 0-0-0 | 5.72     | 0.00   | 0.00     | 5.72   | 5.72     | 0.00     |
| 978  | 0-0-0 | 3,960.58 | 663.49 | 3,209.93 | 87.17  | 3,365.69 | 594.89   |
| 988  | 0-0-0 | 5.52     | 0.00   | 5.52     | 0.00   | 5.52     | 0.00     |

*Grades with 100 tons or more, reported by 3 or more shippers:*

|          |            |
|----------|------------|
| Total    | 108,199.13 |
| Bagged   | 6,347.76   |
| Bulk     | 73,595.85  |
| Liquid   | 28,255.52  |
| Farm     | 104,185.52 |
| Non-Farm | 4,013.61   |

*Grades that meet the specified tonnage limit of 100 tons, but have less than 3 shippers:*

|          |           |
|----------|-----------|
| Total    | 16,508.21 |
| Bagged   | 698.90    |
| Bulk     | 15,033.34 |
| Liquid   | 775.98    |
| Farm     | 15,508.05 |
| Non-Farm | 1,000.17  |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Detail Fertilizer Summary

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

*Totals for grades with less than 100 tons:*

|          |          |
|----------|----------|
| Total    | 9,747.46 |
| Bagged   | 2,287.29 |
| Bulk     | 6,873.17 |
| Liquid   | 587.00   |
| Farm     | 8,003.51 |
| Non-Farm | 1,743.95 |

*Grand totals for all:*

|          |            |
|----------|------------|
| Total    | 131,960.38 |
| Bagged   | 8,743.09   |
| Bulk     | 93,663.34  |
| Liquid   | 29,553.95  |
| Farm     | 125,574.09 |
| Non-Farm | 6,386.29   |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (1-5)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name  | 0-0-60   | 18-46-0  | 32-0-0   | 28-0-0 | 46-0-0   |
|--------------|----------|----------|----------|--------|----------|
| Adair        | 111.66   | 50.90    | 0.00     | 0.00   | 0.43     |
| Allen        | 100.25   | 49.89    | 0.00     | 0.00   | 56.92    |
| Anderson     | 0.00     | 0.00     | 0.00     | 0.00   | 4.00     |
| Ballard      | 1,655.76 | 958.97   | 0.00     | 0.00   | 0.00     |
| Barren       | 578.43   | 416.92   | 0.00     | 0.00   | 264.31   |
| Bath         | 143.43   | 0.00     | 0.00     | 0.00   | 246.40   |
| Bell         | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Boone        | 4.00     | 0.00     | 0.00     | 0.00   | 21.20    |
| Bourbon      | 32.00    | 46.00    | 0.00     | 0.00   | 1.03     |
| Boyd         | 124.00   | 0.00     | 0.00     | 0.00   | 212.52   |
| Boyle        | 215.24   | 19.21    | 0.00     | 0.00   | 64.12    |
| Bracken      | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Breathitt    | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Breckinridge | 532.00   | 179.96   | 0.00     | 950.47 | 411.34   |
| Bullitt      | 0.00     | 0.00     | 0.00     | 49.98  | 5.10     |
| Butler       | 337.74   | 148.34   | 0.00     | 0.00   | 3.00     |
| Caldwell     | 114.47   | 95.47    | 101.29   | 0.00   | 3.73     |
| Calloway     | 1,900.22 | 1,530.59 | 428.19   | 0.00   | 9.49     |
| Campbell     | 0.00     | 0.00     | 0.00     | 0.00   | 2,010.38 |
| Carlisle     | 555.27   | 489.52   | 99.79    | 0.00   | 3.00     |
| Carroll      | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Carter       | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Casey        | 13.80    | 2.74     | 0.00     | 0.00   | 176.07   |
| Christian    | 4,970.73 | 2,301.46 | 1,842.44 | 750.27 | 367.72   |
| Clark        | 148.08   | 65.43    | 0.00     | 0.00   | 26.20    |
| Clay         | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Clinton      | 56.51    | 0.33     | 79.46    | 0.00   | 3.34     |
| Crittenden   | 90.63    | 85.20    | 99.72    | 0.00   | 0.00     |
| Cumberland   | 3.60     | 4.29     | 0.00     | 0.00   | 0.00     |
| Daviess      | 1,547.43 | 415.25   | 671.23   | 723.21 | 264.71   |
| Edmonson     | 0.50     | 2.00     | 0.00     | 0.00   | 0.00     |
| Elliott      | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Estill       | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Fayette      | 1.75     | 1.00     | 0.00     | 0.00   | 67.16    |
| Fleming      | 200.47   | 2.53     | 0.00     | 620.31 | 101.29   |
| Floyd        | 0.00     | 0.00     | 0.00     | 0.00   | 0.00     |
| Franklin     | 0.00     | 0.01     | 0.00     | 0.00   | 4.00     |
| Fulton       | 211.74   | 269.25   | 99.83    | 299.27 | 0.73     |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (1-5)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name | 0-0-60   | 18-46-0  | 32-0-0   | 28-0-0   | 46-0-0 |
|-------------|----------|----------|----------|----------|--------|
| Gallatin    | 123.13   | 124.53   | 0.00     | 0.00     | 0.00   |
| Garrard     | 13.38    | 0.00     | 0.00     | 0.00     | 10.00  |
| Grant       | 0.00     | 0.00     | 0.00     | 0.00     | 0.25   |
| Graves      | 628.60   | 658.18   | 947.03   | 355.36   | 3.00   |
| Grayson     | 7.70     | 0.01     | 0.00     | 199.98   | 0.00   |
| Green       | 49.94    | 23.53    | 0.00     | 0.00     | 23.65  |
| Greenup     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Hancock     | 352.38   | 53.80    | 0.00     | 0.00     | 0.00   |
| Hardin      | 475.21   | 85.18    | 75.34    | 56.55    | 293.04 |
| Harlan      | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Harrison    | 29.82    | 0.60     | 0.00     | 423.00   | 220.65 |
| Hart        | 9.29     | 1.49     | 0.00     | 0.00     | 0.30   |
| Henderson   | 2,350.11 | 5.52     | 925.02   | 0.00     | 65.51  |
| Henry       | 182.38   | 304.16   | 0.00     | 0.00     | 82.68  |
| Hickman     | 663.83   | 383.36   | 473.94   | 0.00     | 0.00   |
| Hopkins     | 6.76     | 26.21    | 45.12    | 1.18     | 0.39   |
| Jackson     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Jefferson   | 9.43     | 19.10    | 0.00     | 0.00     | 118.50 |
| Jessamine   | 0.00     | 0.00     | 0.00     | 0.00     | 1.00   |
| Johnson     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Kenton      | 2.13     | 0.00     | 0.00     | 0.06     | 1.55   |
| Knott       | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Knox        | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Larue       | 602.89   | 104.12   | 400.95   | 103.36   | 254.79 |
| Laurel      | 0.00     | 0.00     | 0.00     | 0.00     | 0.48   |
| Lawrence    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Lee         | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Leslie      | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Letcher     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Lewis       | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| Lincoln     | 141.44   | 57.62    | 0.00     | 0.00     | 123.44 |
| Livingston  | 210.17   | 156.74   | 326.37   | 0.00     | 0.00   |
| Logan       | 2,440.34 | 2,660.42 | 1,132.28 | 3,185.02 | 4.63   |
| Lyon        | 1,249.62 | 1,555.24 | 50.09    | 0.00     | 0.00   |
| McCracken   | 164.98   | 138.26   | 0.00     | 0.00     | 22.00  |
| McCreary    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00   |
| McLean      | 572.87   | 421.13   | 0.00     | 275.00   | 65.20  |
| Madison     | 123.11   | 1.50     | 0.00     | 0.00     | 106.80 |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (1-5)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name | 0-0-60   | 18-46-0 | 32-0-0   | 28-0-0   | 46-0-0 |
|-------------|----------|---------|----------|----------|--------|
| Magoffin    | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Marion      | 333.37   | 34.17   | 0.00     | 0.00     | 130.89 |
| Marshall    | 106.14   | 73.17   | 52.76    | 48.37    | 2.55   |
| Martin      | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Mason       | 10.40    | 0.00    | 0.00     | 0.00     | 0.00   |
| Meade       | 166.79   | 152.42  | 0.22     | 24.08    | 1.00   |
| Menifee     | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Mercer      | 89.53    | 0.00    | 0.00     | 0.00     | 79.64  |
| Metcalfe    | 31.02    | 23.21   | 0.00     | 0.00     | 4.27   |
| Monroe      | 3.29     | 7.94    | 0.00     | 0.00     | 33.68  |
| Montgomery  | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Morgan      | 99.63    | 0.00    | 0.00     | 0.00     | 0.00   |
| Muhlenberg  | 0.94     | 0.53    | 0.00     | 1.62     | 0.00   |
| Nelson      | 0.00     | 132.75  | 181.27   | 275.11   | 80.60  |
| Nicholas    | 105.23   | 0.00    | 0.00     | 0.00     | 74.03  |
| Ohio        | 21.00    | 201.60  | 0.00     | 300.00   | 10.11  |
| Oldham      | 0.00     | 63.30   | 51.67    | 49.24    | 2.83   |
| Owen        | 0.00     | 0.00    | 0.00     | 0.00     | 96.75  |
| Owsley      | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Pendleton   | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Perry       | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Pike        | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Powell      | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Pulaski     | 120.18   | 100.54  | 0.00     | 0.00     | 153.89 |
| Robertson   | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Rockcastle  | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Rowan       | 12.00    | 66.00   | 0.00     | 0.00     | 3.00   |
| Russell     | 173.76   | 0.00    | 0.00     | 0.00     | 3.05   |
| Scott       | 210.53   | 0.00    | 0.00     | 0.00     | 315.01 |
| Shelby      | 319.55   | 123.24  | 774.98   | 25.02    | 60.65  |
| Simpson     | 1,299.72 | 922.60  | 865.25   | 222.61   | 241.62 |
| Spencer     | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Taylor      | 31.67    | 56.85   | 49.99    | 0.00     | 485.62 |
| Todd        | 1,890.76 | 686.94  | 349.57   | 964.28   | 177.56 |
| Trigg       | 595.96   | 384.39  | 826.67   | 243.10   | 195.00 |
| Trimble     | 0.00     | 0.00    | 0.00     | 0.00     | 0.00   |
| Union       | 1,109.99 | 789.98  | 75.36    | 0.00     | 0.00   |
| Warren      | 884.68   | 769.55  | 1,198.19 | 1,542.87 | 210.25 |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (1-5)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name | 0-0-60    | 18-46-0   | 32-0-0   | 28-0-0    | 46-0-0   |
|-------------|-----------|-----------|----------|-----------|----------|
| Washington  | 331.10    | 62.19     | 449.86   | 0.00      | 540.49   |
| Wayne       | 175.63    | 156.98    | 0.00     | 0.00      | 11.28    |
| Webster     | 126.86    | 50.17     | 74.96    | 125.01    | 0.00     |
| Whitley     | 0.00      | 0.00      | 0.00     | 0.00      | 0.00     |
| Wolfe       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00     |
| Woodford    | 109.35    | 23.14     | 0.00     | 0.00      | 539.33   |
| Unknown     | 0.00      | 0.00      | 0.00     | 0.00      | 24.46    |
| Totals      | 32,418.26 | 18,797.61 | 12,748.8 | 11,814.32 | 9,203.60 |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (6-10)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name  | 11-52-0  | 30-0-0 | 16-1-0 | 12-40-0 | 0-46-0 |
|--------------|----------|--------|--------|---------|--------|
| Adair        | 0.00     | 0.00   | 550.00 | 0.00    | 0.00   |
| Allen        | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Anderson     | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Ballard      | 0.00     | 0.00   | 0.00   | 202.58  | 0.00   |
| Barren       | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Bath         | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Bell         | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Boone        | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Bourbon      | 0.00     | 0.13   | 0.00   | 0.00    | 8.00   |
| Boyd         | 0.00     | 0.00   | 75.00  | 0.00    | 0.00   |
| Boyle        | 0.00     | 0.00   | 0.00   | 0.00    | 6.48   |
| Bracken      | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Breathitt    | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Breckinridge | 0.00     | 0.00   | 0.00   | 0.00    | 84.77  |
| Bullitt      | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Butler       | 0.00     | 0.00   | 0.00   | 0.00    | 225.00 |
| Caldwell     | 23.21    | 0.00   | 0.00   | 177.71  | 0.00   |
| Calloway     | 0.00     | 0.00   | 0.00   | 0.00    | 37.48  |
| Campbell     | 0.00     | 0.18   | 0.00   | 0.00    | 0.00   |
| Carlisle     | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Carroll      | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Carter       | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Casey        | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Christian    | 2,003.89 | 150.18 | 0.00   | 660.34  | 2.50   |
| Clark        | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Clay         | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Clinton      | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Crittenden   | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Cumberland   | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Daviess      | 0.00     | 224.13 | 299.96 | 92.54   | 150.12 |
| Edmonson     | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Elliott      | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Estill       | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Fayette      | 0.00     | 0.16   | 0.00   | 0.00    | 0.03   |
| Fleming      | 0.00     | 0.00   | 426.25 | 0.00    | 0.00   |
| Floyd        | 0.00     | 1.75   | 0.00   | 0.00    | 0.00   |
| Franklin     | 0.00     | 0.00   | 0.00   | 0.00    | 0.00   |
| Fulton       | 0.00     | 0.00   | 0.00   | 0.00    | 15.23  |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (6-10)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name | 11-52-0 | 30-0-0 | 16-1-0 | 12-40-0 | 0-46-0 |
|-------------|---------|--------|--------|---------|--------|
| Gallatin    | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Garrard     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Grant       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Graves      | 0.00    | 0.00   | 0.00   | 0.00    | 15.00  |
| Grayson     | 0.00    | 0.00   | 0.00   | 86.23   | 0.00   |
| Green       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Greenup     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Hancock     | 0.00    | 0.00   | 0.00   | 0.00    | 357.97 |
| Hardin      | 0.00    | 110.91 | 0.00   | 96.38   | 0.00   |
| Harlan      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Harrison    | 3.56    | 0.00   | 0.00   | 0.00    | 0.00   |
| Hart        | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Henderson   | 693.26  | 857.48 | 0.00   | 0.00    | 50.17  |
| Henry       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Hickman     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Hopkins     | 0.00    | 50.00  | 0.00   | 0.00    | 0.00   |
| Jackson     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Jefferson   | 0.00    | 0.26   | 0.00   | 0.00    | 0.00   |
| Jessamine   | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Johnson     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Kenton      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Knott       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Knox        | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Larue       | 0.00    | 0.00   | 0.00   | 0.00    | 101.29 |
| Laurel      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Lawrence    | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Lee         | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Leslie      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Letcher     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Lewis       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Lincoln     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Livingston  | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Logan       | 435.87  | 606.57 | 0.00   | 0.00    | 197.34 |
| Lyon        | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| McCracken   | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| McCreary    | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Mc Lean     | 0.00    | 125.01 | 0.00   | 0.00    | 0.00   |
| Madison     | 0.00    | 0.00   | 25.00  | 0.00    | 0.00   |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (6-10)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name | 11-52-0 | 30-0-0 | 16-1-0 | 12-40-0 | 0-46-0 |
|-------------|---------|--------|--------|---------|--------|
| Magoffin    | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Marion      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Marshall    | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Martin      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Mason       | 1.70    | 0.00   | 0.00   | 0.00    | 0.00   |
| Meade       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Menifee     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Mercer      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Metcalfe    | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Monroe      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Montgomery  | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Morgan      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Muhlenberg  | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Nelson      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Nicholas    | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Ohio        | 0.00    | 0.00   | 0.00   | 688.02  | 0.00   |
| Oldham      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Owen        | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Owsley      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Pendleton   | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Perry       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Pike        | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Powell      | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Pulaski     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Robertson   | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Rockcastle  | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Rowan       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Russell     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Scott       | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Shelby      | 76.99   | 0.00   | 112.61 | 0.00    | 0.00   |
| Simpson     | 0.00    | 0.00   | 0.00   | 0.00    | 5.51   |
| Spencer     | 0.00    | 0.00   | 0.00   | 0.00    | 286.23 |
| Taylor      | 0.00    | 0.00   | 550.00 | 0.00    | 23.63  |
| Todd        | 392.04  | 72.97  | 0.00   | 0.00    | 0.00   |
| Trigg       | 0.00    | 50.00  | 0.00   | 0.00    | 0.00   |
| Trimble     | 0.00    | 0.00   | 0.00   | 0.00    | 0.00   |
| Union       | 0.00    | 300.64 | 0.00   | 0.25    | 423.11 |
| Warren      | 0.00    | 0.13   | 0.00   | 0.00    | 0.00   |

Distribution of Fertilizer Sales in Kentucky October through December 2018

Leading Grades by County (6-10)

Division of Regulatory Services University of Kentucky

October 2018 through December 2018

| County Name | 11-52-0  | 30-0-0   | 16-1-0   | 12-40-0  | 0-46-0   |
|-------------|----------|----------|----------|----------|----------|
| Washington  | 0.00     | 0.00     | 100.00   | 0.00     | 0.00     |
| Wayne       | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |
| Webster     | 0.00     | 43.96    | 0.00     | 63.20    | 0.00     |
| Whitley     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |
| Wolfe       | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |
| Woodford    | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |
| Unknown     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |
| Totals      | 3,630.52 | 2,594.47 | 2,138.82 | 2,067.25 | 1,989.86 |

Distribution of Fertilizer Sales in Kentucky October through December 2018

**Total Fertilizer and Nutrients by County**  
 Division of Regulatory Services University of Kentucky  
 October 2018 through December 2018

| County Name  | Total Fertilizer | Total Single | Total Multi | All Other | Multiple Nutrient |                                     |                        | All Fertilizer |                                     |                        |
|--------------|------------------|--------------|-------------|-----------|-------------------|-------------------------------------|------------------------|----------------|-------------------------------------|------------------------|
|              |                  |              |             |           | Total N           | Total P <sub>2</sub> O <sub>5</sub> | Total K <sub>2</sub> O | Total N        | Total P <sub>2</sub> O <sub>5</sub> | Total K <sub>2</sub> O |
| Adair        | 725.77           | 112.17       | 613.60      | 98.11     | 30.88             | 2.59                                | 98.33                  | 30.88          | 69.59                               |                        |
| Allen        | 317.56           | 157.17       | 95.27       | 65.12     | 11.57             | 26.20                               | 2.64                   | 37.75          | 26.20                               | 62.79                  |
| Anderson     | 20.08            | 4.00         | 12.42       | 3.65      | 2.65              | 0.90                                | 1.12                   | 4.49           | 0.90                                | 1.12                   |
| Ballard      | 3,132.30         | 1,766.28     | 1,366.02    | 213.03    | 565.16            | 59.79                               | 287.23                 | 565.16         | 1,053.24                            |                        |
| Barren       | 1,861.67         | 891.98       | 941.86      | 27.82     | 124.20            | 296.59                              | 135.95                 | 261.82         | 296.59                              | 483.06                 |
| Bath         | 410.88           | 389.83       | 18.00       | 3.05      | 1.80              | 1.80                                | 1.80                   | 115.14         | 1.80                                | 87.86                  |
| Bell         | 10.13            | 0.00         | 0.11        | 10.02     | 0.02              | 0.00                                | 0.01                   | 0.02           | 0.00                                | 0.01                   |
| Boone        | 472.25           | 156.42       | 302.68      | 13.14     | 61.71             | 12.73                               | 14.86                  | 102.99         | 12.73                               | 19.57                  |
| Bourbon      | 122.82           | 70.45        | 51.73       | 0.64      | 9.16              | 21.26                               | 1.96                   | 18.84          | 24.94                               | 21.16                  |
| Boyd         | 454.71           | 342.89       | 110.60      | 1.22      | 16.46             | 1.81                                | 1.69                   | 115.30         | 1.81                                | 76.09                  |
| Boyle        | 322.83           | 286.87       | 32.59       | 3.38      | 4.32              | 10.02                               | 1.12                   | 33.87          | 13.00                               | 130.37                 |
| Bracken      | 0.40             | 0.00         | 0.40        | 0.07      | 0.10              | 0.05                                | 0.07                   | 0.10           | 0.05                                |                        |
| Breathitt    | 0.04             | 0.00         | 0.04        | 0.00      | 0.00              | 0.00                                | 0.00                   | 0.00           | 0.00                                |                        |
| Breckinridge | 2,235.16         | 1,998.96     | 233.63      | 2.58      | 37.29             | 93.39                               | 12.84                  | 492.71         | 132.38                              | 336.45                 |
| Bullitt      | 101.95           | 55.08        | 42.87       | 4.00      | 7.67              | 2.41                                | 2.49                   | 24.01          | 2.41                                | 2.49                   |
| Butler       | 789.92           | 565.74       | 222.13      | 2.05      | 31.12             | 82.45                               | 21.27                  | 32.50          | 185.95                              | 223.92                 |
| Caldwell     | 735.25           | 370.26       | 364.99      | 46.19     | 139.47            | 16.91                               | 111.99                 | 139.47         | 85.59                               |                        |
| Calloway     | 4,029.58         | 2,431.23     | 1,598.35    | 280.23    | 713.28            | 15.94                               | 424.77                 | 730.52         | 1,164.59                            |                        |
| Campbell     | 2,126.74         | 2,056.55     | 36.89       | 33.30     | 4.52              | 2.33                                | 3.13                   | 929.40         | 2.33                                | 25.57                  |
| Carlisle     | 1,759.28         | 1,033.47     | 724.93      | 0.88      | 107.56            | 272.52                              | 62.39                  | 284.17         | 272.52                              | 400.10                 |
| Carroll      | 1.56             | 0.13         | 0.03        | 1.40      | 0.01              | 0.01                                | 0.00                   | 0.01           | 0.01                                | 0.00                   |
| Carter       | 1.75             | 1.75         | 0.00        | 0.00      | 0.00              | 0.00                                | 0.67                   | 0.00           | 0.00                                |                        |
| Casey        | 213.98           | 189.87       | 23.77       | 0.34      | 0.56              | 1.31                                | 0.07                   | 81.55          | 1.31                                | 8.35                   |
| Christian    | 14,299.35        | 8,144.98     | 6,063.70    | 90.66     | 804.22            | 2,565.81                            | 215.85                 | 1,819.38       | 2,566.96                            | 3,211.94               |

Distribution of Fertilizer Sales in Kentucky October through December 2018

**Total Fertilizer and Nutrients by County**  
 Division of Regulatory Services University of Kentucky  
 October 2018 through December 2018

| County Name | Total Fertilizer | Total Single | Total Multi | All Other | Multiple Nutrient |                                     |                        | All Fertilizer |                                     |                        |
|-------------|------------------|--------------|-------------|-----------|-------------------|-------------------------------------|------------------------|----------------|-------------------------------------|------------------------|
|             |                  |              |             |           | Total N           | Total P <sub>2</sub> O <sub>5</sub> | Total K <sub>2</sub> O | Total N        | Total P <sub>2</sub> O <sub>5</sub> | Total K <sub>2</sub> O |
| Clark       | 1,179.69         | 1,045.34     | 91.85       | 42.50     | 14.89             | 32.71                               | 2.61                   | 26.94          | 32.71                               | 523.47                 |
| Clay        | 27.16            | 10.06        | 1.10        | 16.00     | 0.00              | 0.00                                | 0.00                   | 0.00           | 0.00                                | 3.43                   |
| Clinton     | 153.08           | 145.63       | 3.20        | 4.25      | 0.48              | 0.67                                | 0.51                   | 27.45          | 0.67                                | 37.08                  |
| Crittenden  | 497.05           | 193.07       | 303.98      | 34.51     | 84.51             | 65.91                               | 66.43                  | 84.51          | 121.80                              |                        |
| Cumberland  | 104.55           | 97.00        | 7.44        | 0.11      | 1.22              | 2.09                                | 0.34                   | 1.24           | 2.09                                | 57.98                  |
| Daviess     | 6,740.46         | 3,780.17     | 2,838.32    | 121.97    | 180.67            | 674.73                              | 554.11                 | 903.90         | 743.78                              | 1,510.59               |
| Edmonson    | 117.16           | 0.50         | 116.66      | 9.19      | 23.51             | 39.33                               | 9.19                   | 23.51          | 39.63                               |                        |
| Fayette     | 734.21           | 79.55        | 625.69      | 28.96     | 128.43            | 4.20                                | 29.50                  | 159.53         | 4.22                                | 31.41                  |
| Fleming     | 1,513.75         | 922.07       | 435.57      | 156.11    | 68.93             | 5.70                                | 0.27                   | 289.21         | 5.70                                | 120.55                 |
| Floyd       | 15.05            | 3.67         | 10.84       | 0.55      | 1.50              | 2.76                                | 1.44                   | 2.07           | 2.76                                | 1.84                   |
| Franklin    | 87.10            | 4.09         | 60.91       | 22.11     | 12.69             | 0.42                                | 2.65                   | 14.65          | 0.47                                | 2.69                   |
| Fulton      | 2,003.65         | 1,078.78     | 341.22      | 583.65    | 56.31             | 139.85                              | 16.85                  | 185.70         | 146.86                              | 203.44                 |
| Gallatin    | 247.81           | 123.13       | 124.68      | 22.46     | 57.29             | 0.01                                | 22.46                  | 57.29          | 73.89                               |                        |
| Garrard     | 73.69            | 23.38        | 50.09       | 0.23      | 2.74              | 1.00                                | 0.19                   | 7.34           | 1.00                                | 8.22                   |
| Grant       | 6.91             | 0.25         | 2.66        | 4.00      | 0.45              | 0.42                                | 0.17                   | 0.56           | 0.42                                | 0.17                   |
| Graves      | 5,030.68         | 2,129.11     | 2,882.56    | 19.01     | 259.44            | 712.82                              | 653.91                 | 673.17         | 719.72                              | 1,040.79               |
| Grayson     | 435.36           | 217.73       | 216.56      | 1.07      | 22.74             | 55.99                               | 33.77                  | 78.73          | 55.99                               | 38.99                  |
| Green       | 427.30           | 372.88       | 52.42       | 2.00      | 6.26              | 17.28                               | 1.94                   | 17.14          | 154.36                              | 31.90                  |
| Greenup     | 11.03            | 0.00         | 6.03        | 5.00      | 1.93              | 0.00                                | 0.18                   | 1.93           | 0.00                                | 0.18                   |
| Hancock     | 1,051.66         | 823.34       | 228.32      | 9.81      | 50.84             | 69.25                               | 9.81                   | 224.56         | 286.27                              |                        |
| Hardin      | 3,015.89         | 1,015.30     | 1,978.79    | 21.79     | 93.65             | 443.01                              | 521.86                 | 302.66         | 443.01                              | 806.99                 |
| Harlan      | 24.00            | 0.00         | 17.00       | 7.00      | 2.90              | 4.32                                | 1.66                   | 2.90           | 4.32                                | 1.66                   |
| Harrison    | 709.19           | 673.46       | 10.16       | 25.56     | 1.58              | 2.76                                | 0.90                   | 221.52         | 2.76                                | 18.79                  |
| Hart        | 433.72           | 19.48        | 414.15      | 0.09      | 38.26             | 93.80                               | 109.34                 | 42.02          | 93.80                               | 114.91                 |

Distribution of Fertilizer Sales in Kentucky October through December 2018

**Total Fertilizer and Nutrients by County**  
 Division of Regulatory Services University of Kentucky  
 October 2018 through December 2018

| County Name | Total<br>Fertilizer | Total<br>Single | Total<br>Multi | All<br>Other | Multiple Nutrient |                                        |                           | All Fertilizer |                                        |                           |
|-------------|---------------------|-----------------|----------------|--------------|-------------------|----------------------------------------|---------------------------|----------------|----------------------------------------|---------------------------|
|             |                     |                 |                |              | Total<br>N        | Total<br>P <sub>2</sub> O <sub>5</sub> | Total<br>K <sub>2</sub> O | Total<br>N     | Total<br>P <sub>2</sub> O <sub>5</sub> | Total<br>K <sub>2</sub> O |
| Henderson   | 5,910.24            | 4,598.20        | 1,296.61       | 15.43        | 108.88            | 470.87                                 | 171.36                    | 778.76         | 493.94                                 | 1,681.64                  |
| Henry       | 647.88              | 265.06          | 326.18         | 56.64        | 57.57             | 143.43                                 | 3.52                      | 95.60          | 143.43                                 | 112.95                    |
| Hickman     | 2,009.70            | 1,193.98        | 500.98         | 314.74       | 79.72             | 203.21                                 | 35.07                     | 243.19         | 203.21                                 | 433.37                    |
| Hopkins     | 565.05              | 103.45          | 461.47         | 0.13         | 30.41             | 86.33                                  | 102.96                    | 60.36          | 86.33                                  | 107.01                    |
| Jefferson   | 1,560.49            | 136.59          | 1,414.72       | 9.18         | 302.60            | 45.17                                  | 90.76                     | 357.57         | 45.17                                  | 96.85                     |
| Jessamine   | 46.25               | 3.12            | 41.19          | 1.94         | 8.88              | 0.65                                   | 2.08                      | 9.49           | 0.65                                   | 2.08                      |
| Kenton      | 138.77              | 40.33           | 91.83          | 6.62         | 18.81             | 3.30                                   | 5.01                      | 28.40          | 3.30                                   | 6.64                      |
| Knox        | 3.48                | 0.00            | 2.48           | 1.00         | 0.79              | 0.21                                   | 0.27                      | 0.79           | 0.21                                   | 0.27                      |
| Larue       | 2,522.22            | 1,516.09        | 1,005.07       | 1.06         | 62.85             | 128.96                                 | 94.44                     | 337.30         | 175.55                                 | 467.80                    |
| Laurel      | 34.30               | 0.48            | 22.70          | 11.12        | 1.35              | 1.29                                   | 1.05                      | 1.57           | 1.29                                   | 1.05                      |
| Lawrence    | 6.73                | 2.70            | 3.00           | 1.03         | 0.00              | 0.00                                   | 0.00                      | 0.00           | 0.00                                   | 1.35                      |
| Lee         | 4.00                | 0.00            | 0.00           | 4.00         | 0.00              | 0.00                                   | 0.00                      | 0.00           | 0.00                                   | 0.00                      |
| Letcher     | 1.26                | 0.18            | 0.13           | 0.95         | 0.02              | 0.00                                   | 0.02                      | 0.03           | 0.00                                   | 0.02                      |
| Lincoln     | 345.02              | 265.22          | 79.51          | 0.29         | 16.52             | 27.03                                  | 0.82                      | 73.33          | 27.03                                  | 85.68                     |
| Livingston  | 709.41              | 552.66          | 156.74         | 0.01         | 28.21             | 72.10                                  | 0.00                      | 133.41         | 72.10                                  | 126.85                    |
| Logan       | 13,242.24           | 9,277.15        | 3,743.59       | 221.50       | 581.53            | 1,589.73                               | 180.73                    | 2,081.28       | 1,680.51                               | 2,097.35                  |
| Lyon        | 2,894.73            | 1,299.71        | 1,595.02       | 282.75       | 724.13            | 10.95                                  | 298.78                    | 724.13         | 760.72                                 |                           |
| McCracken   | 535.47              | 268.64          | 262.70         | 4.13         | 34.62             | 76.44                                  | 16.72                     | 45.21          | 76.44                                  | 120.48                    |
| McCreary    | 0.00                | 0.00            | 0.00           | 0.00         | 0.00              | 0.00                                   | 0.00                      | 0.00           | 0.00                                   | 0.00                      |
| McLean      | 2,195.45            | 1,235.84        | 916.40         | 43.21        | 114.91            | 283.26                                 | 108.55                    | 341.52         | 283.28                                 | 458.14                    |
| Madison     | 374.49              | 233.55          | 103.19         | 37.75        | 20.30             | 3.92                                   | 6.97                      | 69.46          | 3.93                                   | 81.17                     |
| Marion      | 1,264.31            | 464.26          | 799.85         | 0.20         | 62.18             | 169.75                                 | 153.51                    | 122.39         | 169.75                                 | 353.53                    |
| Marshall    | 841.45              | 318.37          | 513.78         | 9.31         | 42.20             | 120.62                                 | 128.34                    | 104.59         | 120.62                                 | 192.62                    |
| Martin      | 6.00                | 0.00            | 6.00           | 0.80         | 1.02              | 0.76                                   | 0.80                      | 1.02           | 0.76                                   |                           |

Distribution of Fertilizer Sales in Kentucky October through December 2018

**Total Fertilizer and Nutrients by County**  
 Division of Regulatory Services University of Kentucky  
 October 2018 through December 2018

| County Name | Total Fertilizer | Total Single | Total Multi | All Other | Multiple Nutrient |                                     |                        | All Fertilizer |                                     |                        |
|-------------|------------------|--------------|-------------|-----------|-------------------|-------------------------------------|------------------------|----------------|-------------------------------------|------------------------|
|             |                  |              |             |           | Total N           | Total P <sub>2</sub> O <sub>5</sub> | Total K <sub>2</sub> O | Total N        | Total P <sub>2</sub> O <sub>5</sub> | Total K <sub>2</sub> O |
| Mason       | 14.79            | 10.40        | 3.32        | 1.08      | 0.19              | 0.89                                | 0.00                   | 0.19           | 0.89                                | 6.24                   |
| Meade       | 1,731.59         | 194.30       | 1,535.79    | 1.50      | 112.40            | 360.54                              | 391.87                 | 119.81         | 360.54                              | 491.94                 |
| Menifee     | 6.00             | 0.00         | 0.00        | 6.00      | 0.00              | 0.00                                | 0.00                   | 0.00           | 0.00                                | 0.00                   |
| Mercer      | 174.10           | 169.17       | 0.00        | 4.94      | 0.00              | 0.00                                | 0.00                   | 36.64          | 0.00                                | 53.72                  |
| Metcalfe    | 77.60            | 48.74        | 24.61       | 4.25      | 4.37              | 10.90                               | 0.22                   | 6.87           | 10.90                               | 19.49                  |
| Monroe      | 239.26           | 47.14        | 187.09      | 5.03      | 12.77             | 32.81                               | 43.44                  | 28.26          | 32.81                               | 46.47                  |
| Montgomery  | 10.89            | 1.00         | 9.10        | 0.79      | 0.55              | 0.22                                | 0.26                   | 0.90           | 0.22                                | 0.26                   |
| Morgan      | 99.77            | 99.63        | 0.00        | 0.14      | 0.00              | 0.00                                | 0.00                   | 0.00           | 0.00                                | 59.78                  |
| Muhlenberg  | 383.36           | 3.39         | 377.99      | 1.98      | 18.33             | 79.84                               | 118.91                 | 18.81          | 79.84                               | 119.49                 |
| Nelson      | 1,401.79         | 538.55       | 853.81      | 9.44      | 93.67             | 209.57                              | 109.61                 | 265.86         | 209.57                              | 109.61                 |
| Nicholas    | 179.37           | 179.26       | 0.06        | 0.05      | 0.01              | 0.01                                | 0.01                   | 34.06          | 0.01                                | 63.14                  |
| Ohio        | 1,781.55         | 403.14       | 1,376.96    | 1.44      | 144.18            | 502.01                              | 109.10                 | 233.30         | 502.01                              | 125.81                 |
| Oldham      | 373.59           | 256.97       | 116.60      | 0.02      | 21.26             | 35.03                               | 7.57                   | 178.43         | 35.03                               | 7.58                   |
| Owen        | 128.94           | 97.89        | 12.77       | 18.28     | 2.41              | 1.00                                | 1.61                   | 46.93          | 1.01                                | 1.94                   |
| Owsley      | 0.25             | 0.00         | 0.25        | 0.05      | 0.01              | 0.04                                | 0.05                   | 0.01           | 0.04                                |                        |
| Perry       | 22.20            | 0.00         | 22.05       | 0.15      | 0.05              | 0.04                                | 0.04                   | 0.05           | 0.04                                | 0.04                   |
| Pike        | 0.01             | 0.00         | 0.01        | 0.00      | 0.00              | 0.00                                | 0.00                   | 0.00           | 0.00                                |                        |
| Powell      | 6.00             | 0.00         | 0.00        | 6.00      | 0.00              | 0.00                                | 0.00                   | 0.00           | 0.00                                | 0.00                   |
| Pulaski     | 455.82           | 277.70       | 174.82      | 3.30      | 29.33             | 53.12                               | 8.05                   | 101.30         | 53.12                               | 80.23                  |
| Rockcastle  | 7.50             | 0.00         | 7.50        | 1.87      | 1.10              | 1.10                                | 1.87                   | 1.10           | 1.10                                |                        |
| Rowan       | 481.50           | 15.00        | 462.33      | 4.17      | 70.76             | 109.15                              | 49.18                  | 72.14          | 109.15                              | 56.38                  |
| Russell     | 192.87           | 176.89       | 15.98       | 3.02      | 2.57              | 2.62                                | 4.42                   | 2.57           | 106.91                              |                        |
| Scott       | 601.39           | 528.82       | 45.29       | 27.28     | 11.60             | 1.56                                | 2.20                   | 156.65         | 1.56                                | 128.52                 |
| Shelby      | 1,735.77         | 1,200.54     | 486.28      | 48.96     | 67.97             | 120.02                              | 34.52                  | 354.94         | 120.02                              | 226.25                 |

Distribution of Fertilizer Sales in Kentucky October through December 2018

**Total Fertilizer and Nutrients by County**  
 Division of Regulatory Services University of Kentucky  
 October 2018 through December 2018

| County Name | Total<br>Fertilizer | Total<br>Single | Total<br>Multi | All<br>Other | Multiple Nutrient |                                        |                           | All Fertilizer |                                        |                           |
|-------------|---------------------|-----------------|----------------|--------------|-------------------|----------------------------------------|---------------------------|----------------|----------------------------------------|---------------------------|
|             |                     |                 |                |              | Total<br>N        | Total<br>P <sub>2</sub> O <sub>5</sub> | Total<br>K <sub>2</sub> O | Total<br>N     | Total<br>P <sub>2</sub> O <sub>5</sub> | Total<br>K <sub>2</sub> O |
| Simpson     | 4,168.05            | 2,970.09        | 1,139.10       | 58.86        | 185.68            | 457.38                                 | 43.72                     | 669.24         | 459.92                                 | 854.41                    |
| Spencer     | 315.24              | 286.23          | 29.01          | 3.02         | 7.43              | 7.42                                   | 3.02                      | 139.10         | 7.42                                   |                           |
| Taylor      | 1,328.75            | 592.91          | 696.09         | 39.75        | 108.82            | 43.23                                  | 16.83                     | 348.22         | 54.10                                  | 35.83                     |
| Todd        | 5,202.12            | 3,758.64        | 1,419.52       | 23.96        | 196.34            | 581.93                                 | 57.58                     | 738.01         | 581.94                                 | 1,228.67                  |
| Trigg       | 2,468.02            | 1,951.34        | 496.85         | 19.84        | 78.56             | 201.51                                 | 3.16                      | 547.71         | 201.51                                 | 360.75                    |
| Trimble     | 0.18                | 0.00            | 0.18           | 0.06         | 0.01              | 0.01                                   | 0.06                      | 0.01           | 0.01                                   |                           |
| Union       | 3,986.00            | 2,111.88        | 1,867.93       | 6.19         | 223.68            | 597.65                                 | 294.71                    | 503.79         | 792.28                                 | 960.70                    |
| Warren      | 5,920.67            | 4,220.82        | 1,642.03       | 57.82        | 210.36            | 536.76                                 | 215.03                    | 1,178.16       | 536.76                                 | 751.75                    |
| Washington  | 1,587.63            | 1,321.45        | 201.38         | 64.80        | 30.85             | 31.02                                  | 3.80                      | 423.43         | 31.02                                  | 202.46                    |
| Wayne       | 387.00              | 213.86          | 173.14         | 30.81        | 74.90             | 2.69                                   | 36.28                     | 74.90          | 113.74                                 |                           |
| Webster     | 982.16              | 411.28          | 561.59         | 9.29         | 47.84             | 138.97                                 | 131.66                    | 152.95         | 138.97                                 | 207.78                    |
| Whitley     | 41.04               | 23.40           | 17.27          | 0.37         | 0.60              | 0.35                                   | 0.21                      | 8.55           | 0.35                                   | 0.21                      |
| Wolfe       | 2.00                | 0.00            | 0.00           | 2.00         | 0.00              | 0.00                                   | 0.00                      | 0.00           | 0.00                                   | 0.00                      |
| Woodford    | 708.35              | 649.67          | 47.45          | 11.23        | 8.47              | 12.36                                  | 2.37                      | 256.56         | 12.36                                  | 68.60                     |
| Unknown     | 112.26              | 105.45          | 6.81           | 1.11         | 0.08              | 0.18                                   | 78.59                     | 0.08           | 0.19                                   |                           |
| Totals      | 131,960.38          | 78,425.19       | 51,030.88      | 2,504.31     | 6,410.38          | 15,606.50                              | 5,454.75                  | 20,133.47      | 16,668.05                              | 26,226.35                 |