

**UNIVERSITY OF MISSOURI-COLUMBIA  
Agricultural Experiment Station**

**MISSOURI FERTILIZER TONNAGE REPORT, 2011-12**

| <b>FERTILIZER MATERIALS</b>   |                       |                         | <b>DRY MIXED FERTILIZERS</b>  |                      |                      |                          |                       |                      | <b>LIQUID MIXED FERTILIZERS</b>          |                      |                      |  |
|-------------------------------|-----------------------|-------------------------|-------------------------------|----------------------|----------------------|--------------------------|-----------------------|----------------------|--|----------------------|----------------------|--|
|                               |                       |                         | <b>BAGGED FERTILIZER</b>      |                      |                      | <b>BULK MANUFACTURED</b> |                       |                      |  |                      |                      |  |
| <u>NITROGEN MATERIALS</u>     | <u>FALL</u>           | <u>SPRING</u>           | <u>GRADES</u>                 | <u>FALL</u>          | <u>SPRING</u>        | <u>GRADES</u>            | <u>FALL</u>           | <u>SPRING</u>        | <u>GRADES</u>                            | <u>FALL</u>          | <u>SPRING</u>        |  |
| Ammonium Sulfate              | 8,258*                | 33,949*                 | <1-1-1                        | 6,562                | 38,224               | 0-18-36                  | ---                   | 32                   | 2-6-32                                   | ---                  | 431                  |  |
| Amm. Thiosulfate              | 994*                  | 7,814*                  | 6-24-24                       | 96                   | 175                  | 1.5-7.2-20.7             | ---                   | 887                  | 3-9-27                                   | ---                  | 392                  |  |
| N. Solutions (26-32%)         | 38,898*               | 175,991*                | 12-0-3                        | 257                  | 506                  | 3-4-2                    | 5                     | 566                  | 3-10-30                                  | 446                  | 1,146                |  |
| Ammonium Nitrate              | 37,723*               | 126,430*                | 12-12-12                      | 75                   | 1,349                | 4-3-2                    | 289                   | 1,142                | 3-18-18                                  | 2,067                | 4,178                |  |
| Urea                          | 35,752*               | 180,031*                | 13-13-13                      | 876                  | 1,758                | 6-15.3-27.3              | 184                   | 266                  | 4-10-10                                  | 1                    | 502                  |  |
| Anhydrous Ammonia             | 83,816                | 163,871                 | 15-0-05                       | 55                   | 446                  | 6.5-.55-.45              | 937                   | 522                  | 5-0-20                                   | 41                   | 186                  |  |
| Other                         | 3,562                 | 15,769                  | 17-0-05                       | 136                  | 776                  | 9-23-30                  | 605                   | 937                  | 5-1-0                                    | 9,146                | 10,378               |  |
| <b>TOTAL</b>                  | <b><u>209,003</u></b> | <b><u>703,855</u></b>   | 20-10-10                      | 67                   | 268                  | 12-30-20                 | ---                   | 229                  | 5-15-15                                  | ---                  | 72                   |  |
|                               |                       |                         | 25-0-5                        | 516                  | 760                  | 17-17-17                 | ---                   | 164                  | 6-24-6                                   | 405                  | 1,626                |  |
|                               |                       |                         | 28-1-4                        | 4                    | 1,798                | 19-19-19                 | 142                   | 109                  | 8-24-0                                   | ---                  | 404                  |  |
| <u>PHOSPHATIC MATERIALS</u>   |                       |                         | 30-0-4                        | 19                   | 975                  | 26.6-6.6-20              | ---                   | 175                  | 9-18-9                                   | 24                   | 543                  |  |
| Conc. Superphosphate          | 4,954*                | 4,441*                  | 32-0-4                        | 45                   | 366                  | 28-13-13                 | ---                   | 268                  | 10-15-10                                 | ---                  | ---                  |  |
| Phosphoric Acid               | 71*                   | 170*                    | 32-3-8                        | 131                  | 23                   | 31-0-4                   | ---                   | 193                  | 10-20-10                                 | 49                   | 164                  |  |
| Rock Phosphate                | 156                   | 254                     | Misc.                         | 8,306                | 17,132               | Misc.                    | 13,453                | 23,283               | 10-30-0                                  | ---                  | 304                  |  |
| Other                         | 54                    | 519                     | <b>TOTAL</b>                  | <b><u>17,145</u></b> | <b><u>64,556</u></b> | <b>TOTAL</b>             | <b><u>15,615</u></b>  | <b><u>28,773</u></b> | 10-34-0                                  | 2,774                | 1,697                |  |
| <b>TOTAL</b>                  | <b><u>5,235</u></b>   | <b><u>5,384</u></b>     |                               |                      |                      |                          |                       |                      | 10-6-36-0                                | 252                  | 517                  |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | 11-33-0                                  | 25                   | 563                  |  |
| <u>POTASH MATERIALS</u>       |                       |                         |                               |                      |                      |                          |                       |                      | 11-37-0                                  | 1,171                | 818                  |  |
| Muriate of Potash             | 154,395*              | 245,518*                | <b>AMMONIUM PHOSPHATES</b>    |                      |                      |                          |                       |                      |  |                      |                      |  |
| Other                         | 2,128                 | 3,273                   | <b>BAGGED FERTILIZER</b>      |                      |                      | <b>BULK FERTILIZER</b>   |                       |                      |  |                      |                      |  |
| <b>TOTAL</b>                  | <b><u>156,523</u></b> | <b><u>248,791</u></b>   |                               | <u>FALL</u>          | <u>SPRING</u>        |                          | <u>FALL</u>           | <u>SPRING</u>        | Misc.                                    | 568                  | 3,636                |  |
|                               |                       |                         | 11-52-0                       | 22                   | 1                    | 63,580*                  | 61,782*               |                      | <b>TOTAL</b>                             | <b><u>16,969</u></b> | <b><u>27,557</u></b> |  |
|                               |                       |                         | 18-46-0                       | 2                    | 1                    | 65,522*                  | 150,411*              |                      |  |                      |                      |  |
| <u>MISC. MATERIALS</u>        |                       |                         | <b>TOTAL</b>                  | <b><u>24</u></b>     | <b><u>2</u></b>      | <b><u>129,102</u></b>    | <b><u>212,193</u></b> |                      |  |                      |                      |  |
| Organics                      | 7,063                 | 12,708                  | =====                         |                      |                      |                          |                       |                      |  |                      |                      |  |
| Other                         | 139,614               | 155,541                 | <b>TOTAL MIXED FERTILIZER</b> |                      |                      | 178,855                  | 333,081               |                      |  |                      |                      |  |
| <b>TOTAL</b>                  | <b><u>146,677</u></b> | <b><u>168,249</u></b>   | <b>TOTAL ALL FERTILIZERS</b>  |                      |                      | 696,293                  | 1,459,360             |                      |  |                      |                      |  |
| <b><u>TOTAL MATERIALS</u></b> | <b><u>517,438</u></b> | <b><u>1,126,279</u></b> |                               |                      |                      |                          |                       |                      |  |                      |                      |  |
|                               |                       |                         | <b>GRAND TOTAL</b>            |                      |                      | <b><u>2,155,653</u></b>  |                       |                      |  |                      |                      |  |
|                               |                       |                         | =====                         |                      |                      |                          |                       |                      |  |                      |                      |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | <b>PRINCIPAL BLENDING MATERIALS</b>      |                      |                      |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | <b>(Approximate Tons Used in Blends)</b> |                      |                      |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      |  | <u>FALL</u>          | <u>SPRING</u>        |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | Ammonium Nitrate                         | 30,178               | 101,144              |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | Urea                                     | 28,602               | 144,025              |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | Amm Phosphates                           | 103,282              | 169,650              |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | Conc. Phosphates                         | 3,963                | 3,553                |  |
|                               |                       |                         |                               |                      |                      |                          |                       |                      | Muriate of Potash                        | 123,516              | 196,414              |  |

\* Includes tonnage reported as materials but blended prior to application



RECENT FERTILIZER SALES TRENDS IN MISSOURI

|                             | % OF TOTAL SALES |             |             |             |             |             |             |             |
|-----------------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                             | 2004-05          | 2005-06     | 2006-07     | 2007-08     | 2008-09     | 2009-10     | 2010-11     | 2011-12     |
| <b>BAGGED FERTILIZERS</b>   |                  |             |             |             |             |             |             |             |
| Mixtures                    | 6.7              | 4.3         | 3.5         | 3.8         | 5.8         | 2.6         | 3.6         | 4.0         |
| Materials                   | 1.6              | 0.6         | 0.6         | 0.7         | 1.6         | 1.3         | 1.3         | 0.7         |
| <b>TOTALS</b>               | <u>8.3</u>       | <u>4.9</u>  | <u>4.1</u>  | <u>4.5</u>  | <u>7.4</u>  | <u>3.9</u>  | <u>4.9</u>  | <u>4.7</u>  |
| <b>BULK DRY FERTILIZERS</b> |                  |             |             |             |             |             |             |             |
| Blends                      | 51.0             | 46.0        | 50.4        | 50.4        | 39.8        | 48.1        | 48.0        | 44.3        |
| Mfg'd. Mixtures             | 1.8              | 1.8         | 0.9         | 0.8         | 1.1         | 2.5         | 1.3         | 2.2         |
| Dir. Appl. Material         | 12.8             | 11.5        | 12.6        | 12.6        | 10.0        | 12.0        | 12.0        | 11.1        |
| <b>TOTALS</b>               | <u>65.6</u>      | <u>59.3</u> | <u>63.9</u> | <u>63.8</u> | <u>50.9</u> | <u>62.6</u> | <u>61.3</u> | <u>57.6</u> |
| <b>LIQUID FERTILIZERS</b>   |                  |             |             |             |             |             |             |             |
| Mixtures                    | 4.7              | 16.2        | 9.4         | 10.6        | 2.8         | 11.6        | 13.2        | 15.5        |
| Nitrogen Solutions          | 13.1             | 12.2        | 14.4        | 12.2        | 27.9        | 11.9        | 9.3         | 10.6        |
| Anhydrous Ammonia           | 8.3              | 7.4         | 8.2         | 8.9         | 11.0        | 10.0        | 11.3        | 11.5        |
| <b>TOTALS</b>               | <u>26.1</u>      | <u>35.8</u> | <u>32.0</u> | <u>31.7</u> | <u>41.7</u> | <u>33.5</u> | <u>33.8</u> | <u>37.7</u> |
| <b>TOTAL TONS</b>           | 1,990,041        | 1,964,409   | 2,245,484   | 1,919,138   | 1,544,442   | 1,839,832   | 2,026,129   | 2,155,654   |

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2011

| Counties       | Total All Fertilizers | MIXED FERTILIZER |          |        |                   | FERTILIZER MATERIALS |           |          |                  |      |                   |                 |                | PLANT FOOD |                                     |                           |
|----------------|-----------------------|------------------|----------|--------|-------------------|----------------------|-----------|----------|------------------|------|-------------------|-----------------|----------------|------------|-------------------------------------|---------------------------|
|                |                       | Bagged           | Bulk Dry | Liquid | Total Mixed Fert. | Potash               | Phosphate | AMM Phos | Ammonium Nitrate | Urea | Nitrogen Solution | NH <sub>3</sub> | Misc. Material | Nitrogen   | Avail P <sub>2</sub> O <sub>5</sub> | Sol-uble K <sub>2</sub> O |
| Adair          | 1837                  | 5                | 38       | 3      | 46                | 599                  | ---       | 557      | ---              | 591  | ---               | 12              | 386            | 277        | 370                                 |                           |
| Andrew         | 2857                  | 17               | ---      | ---    | 17                | 959                  | ---       | 784      | 626              | ---  | ---               | 12              | 685            | 403        | 576                                 |                           |
| Atchison       | 20650                 | ---              | **       | 1865   | 1677              | 3254                 | ---       | 4209     | ---              | 13   | 3834              | 7142            | 521            | 7731       | 2819                                | 1860                      |
| Audrain        | 16132                 | 7                | 186      | 153    | 346               | 5780                 | ---       | 5330     | ---              | 719  | 327               | 3464            | 166            | 3940       | 2923                                | 3598                      |
| Barry          | 972                   | 60               | ---      | ---    | 60                | 180                  | ---       | 81       | 648              | ---  | ---               | ---             | 3              | 236        | 37                                  | 108                       |
| Barton         | 8936                  | ---              | ---      | 150    | 150               | 3556                 | ---       | 2746     | 901              | 597  | 175               | 756             | 55             | 1766       | 1286                                | 2026                      |
| Bates          | 6142                  | 12               | 24       | 37     | 73                | 1870                 | ---       | 2488     | 365              | 378  | 103               | 822             | 43             | 1427       | 1191                                | 1130                      |
| Benton         | 1676                  | 23               | 199      | ---    | 222               | 208                  | 128       | 187      | ---              | 612  | 25                | 158             | 136            | 507        | 207                                 | 127                       |
| Bollinger      | 1142                  | ---              | ---      | 13     | 13                | 329                  | ---       | 343      | 383              | 74   | ---               | ---             | ---            | 226        | 160                                 | 199                       |
| Boone          | 5819                  | 393              | 109      | 6      | 508               | 1785                 | ---       | 1442     | 514              | 26   | 79                | 1362            | 103            | 1564       | 791                                 | 1130                      |
| Buchanan       | 5974                  | 208              | 314      | ---    | 522               | 1025                 | 1         | 1344     | 96               | 153  | 1000              | 1363            | 470            | 1749       | 846                                 | 630                       |
| Butler         | 4829                  | ---              | 7        | 11     | 18                | 1481                 | 694       | 404      | ---              | 2133 | ---               | ---             | 99             | 1067       | 506                                 | 891                       |
| Caldwell       | 2706                  | ---              | 105      | ---    | 105               | 1102                 | ---       | 1010     | 273              | 51   | ---               | 121             | 44             | 381        | 539                                 | 661                       |
| Callaway       | 3743                  | 14               | ---      | ---    | 14                | 1302                 | ---       | 1185     | 492              | 25   | ---               | 689             | 36             | 918        | 594                                 | 806                       |
| Camden         | 55                    | 51               | ---      | ---    | 51                | ---                  | ---       | ---      | ---              | 1    | ---               | ---             | 3              | 3          | 2                                   | 1                         |
| Cape Girardeau | 4708                  | 261              | 150      | 66     | 477               | 1011                 | 248       | 730      | 476              | 701  | 585               | 350             | 130            | 1155       | 517                                 | 652                       |
| Carroll        | 10140                 | ---              | 1121     | 103    | 1224              | 1943                 | ---       | 1990     | ---              | 675  | 2004              | 2121            | 183            | 3073       | 1522                                | 1186                      |
| Carter         | 1                     | ---              | ---      | 1      | 1                 | ---                  | ---       | ---      | ---              | ---  | ---               | ---             | ---            | ---        | ---                                 | ---                       |
| Cass           | 8106                  | 696              | **       | 13     | 702               | 1954                 | 2         | 2455     | 150              | 170  | 158               | 2249            | 266            | 2437       | 1279                                | 1178                      |
| Cedar          | 917                   | ---              | ---      | ---    | ---               | 431                  | ---       | 272      | 189              | 25   | ---               | ---             | ---            | 120        | 128                                 | 257                       |
| Chariton       | 13733                 | 8                | 2044     | ---    | 2052              | 3943                 | ---       | 3544     | 33               | 202  | 353               | 3460            | 146            | 3648       | 2375                                | 2897                      |
| Christian      | 356                   | 348              | ---      | ---    | 348               | 3                    | ---       | ---      | ---              | 2    | ---               | ---             | 3              | 10         | 5                                   | 6                         |
| Clark          | 8458                  | ---              | 10       | 31     | 41                | 2521                 | ---       | 2395     | ---              | 75   | 505               | 2781            | 140            | 2862       | 1192                                | 1535                      |
| Clay           | 10104                 | 810              | ---      | 9163   | 9973              | 15                   | ---       | ---      | ---              | 43   | ---               | ---             | 73             | 557        | 117                                 | 20                        |
| Clinton        | 8675                  | 22               | ---      | ---    | 22                | 2238                 | ---       | 2709     | 2224             | 104  | ---               | 1371            | 7              | 2358       | 1303                                | 1344                      |
| Cole           | 1723                  | 136              | 3        | 25     | 164               | 605                  | ---       | 544      | 56               | 242  | 26                | 58              | 28             | 301        | 270                                 | 394                       |
| Cooper         | 8857                  | 8                | 130      | 1      | 139               | 3180                 | 50        | 3169     | 656              | 516  | ---               | 1025            | 122            | 1745       | 1693                                | 1950                      |
| Crawford       | 72                    | ---              | ---      | ---    | ---               | 24                   | ---       | 24       | ---              | 24   | ---               | ---             | ---            | 15         | 11                                  | 14                        |
| Dade           | 3517                  | 322              | ---      | ---    | 322               | 982                  | ---       | 501      | 1401             | 150  | ---               | ---             | 161            | 684        | 237                                 | 524                       |
| Dallas         | 1692                  | ---              | ---      | 3      | 3                 | 445                  | ---       | 462      | 773              | 7    | 1                 | ---             | 1              | 349        | 213                                 | 266                       |
| Daviess        | 1757                  | 4                | 423      | ---    | 427               | 288                  | ---       | 340      | 25               | 2    | ---               | 649             | 26             | 651        | 336                                 | 174                       |
| DeKalb         | 4210                  | ---              | 210      | ---    | 210               | 1413                 | ---       | 981      | 224              | ---  | ---               | 1382            | ---            | 1394       | 551                                 | 847                       |
| Dent           | 527                   | 1                | ---      | ---    | 1                 | 76                   | ---       | 74       | 374              | ---  | ---               | ---             | 2              | 140        | 34                                  | 44                        |
| Douglas        | 695                   | ---              | ---      | ---    | ---               | 255                  | ---       | 154      | 286              | ---  | ---               | ---             | ---            | 124        | 70                                  | 153                       |
| Dunklin        | 11477                 | 50               | 61       | 43     | 154               | 3807                 | 1046      | 788      | 581              | 1321 | 2440              | 56              | 1284           | 1984       | 846                                 | 2313                      |
| Franklin       | 5457                  | 172              | ---      | 26     | 198               | 1506                 | 146       | 1543     | 572              | 826  | 26                | 558             | 82             | 1322       | 822                                 | 946                       |
| Gasconade      | 707                   | 27               | 3        | ---    | 30                | 103                  | ---       | 220      | 101              | 130  | ---               | ---             | 123            | 150        | 105                                 | 66                        |
| Gentry         | 6869                  | 2                | 375      | ---    | 377               | 1377                 | ---       | 1260     | 872              | ---  | ---               | 2697            | 286            | 2811       | 733                                 | 853                       |
| Greene         | 4501                  | 1982             | 77       | 1      | 2060              | 506                  | 7         | 183      | 1300             | 44   | ---               | ---             | 401            | 737        | 180                                 | 402                       |
| Grundy         | 3340                  | 2                | 211      | 5      | 218               | 992                  | ---       | 968      | 294              | 53   | ---               | 814             | 1              | 957        | 564                                 | 605                       |
| Harrison       | 6113                  | ---              | 231      | ---    | 231               | 1620                 | ---       | 1770     | 51               | 24   | 75                | 2265            | 77             | 2230       | 946                                 | 974                       |
| Henry          | 5115                  | 11               | ---      | 2      | 13                | 1583                 | ---       | 2215     | 463              | 432  | ---               | ---             | 409            | 914        | 1059                                | 956                       |
| Hickory        | 686                   | 6                | ---      | 1      | 7                 | 252                  | ---       | 127      | 97               | ---  | ---               | ---             | 203            | 57         | 58                                  | 151                       |
| Holt           | 12021                 | 8                | ---      | 179    | 187               | 2851                 | ---       | 3932     | 1105             | ---  | 1074              | 2196            | 676            | 3088       | 2071                                | 1721                      |
| Howard         | 3568                  | 5                | 73       | 26     | 104               | 1167                 | ---       | 1492     | ---              | ---  | ---               | 735             | 70             | 771        | 845                                 | 740                       |
| Howell         | 2023                  | 70               | 49       | ---    | 119               | 317                  | 39        | 229      | 987              | 6    | ---               | ---             | 326            | 472        | 145                                 | 214                       |
| Iron           | ---                   | ---              | ---      | ---    | ---               | ---                  | ---       | ---      | ---              | ---  | ---               | ---             | ---            | ---        | ---                                 | ---                       |
| Jackson        | 4289                  | 3603             | 3        | 25     | 3631              | 126                  | 1         | 107      | ---              | 153  | ---               | ---             | 271            | 480        | 124                                 | 172                       |
| Jasper         | 3472                  | 544              | 539      | ---    | 1083              | 741                  | 6         | 649      | 611              | 168  | 128               | 21              | 65             | 542        | 412                                 | 590                       |
| Jefferson      | 376                   | 265              | ---      | ---    | 265               | 28                   | ---       | 25       | ---              | ---  | ---               | ---             | 58             | 64         | 16                                  | 30                        |
| Johnson        | 2155                  | 95               | ---      | ---    | 95                | 489                  | ---       | 606      | 332              | 156  | 53                | 333             | 91             | 563        | 328                                 | 294                       |
| Knox           | 5941                  | ---              | 10       | ---    | 10                | 1786                 | ---       | 1472     | 53               | ---  | 416               | 2204            | ---            | 2183       | 711                                 | 1072                      |
| Laclede        | 2647                  | 34               | ---      | 1      | 35                | 819                  | ---       | 352      | 1339             | 98   | ---               | ---             | 4              | 564        | 162                                 | 472                       |
| Lafayette      | 15322                 | 21               | 484      | 75     | 580               | 4297                 | ---       | 3877     | ---              | 1172 | 127               | 4794            | 475            | 5083       | 2220                                | 2583                      |
| Lawrence       | 43165                 | 2                | ---      | 39556  | 39558             | 1299                 | ---       | 343      | 1811             | 77   | ---               | 42              | 35             | 758        | 161                                 | 753                       |
| Lewis          | 17558                 | ---              | 20       | 3      | 23                | 3043                 | ---       | 1722     | ---              | 298  | 11231             | 1145            | 96             | 4918       | 874                                 | 1861                      |
| Lincoln        | 5676                  | 38               | ---      | 58     | 96                | 1888                 | 71        | 1573     | ---              | 401  | ---               | 1527            | 120            | 1755       | 785                                 | 1163                      |

\*\* Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2012

| Counties       | Total All Fertilizers | MIXED FERTILIZER |          |        |                   | FERTILIZER MATERIALS |           |          |                  |       |                   |                 |                | PLANT FOOD |                                     |                           |
|----------------|-----------------------|------------------|----------|--------|-------------------|----------------------|-----------|----------|------------------|-------|-------------------|-----------------|----------------|------------|-------------------------------------|---------------------------|
|                |                       | Bagged           | Bulk Dry | Liquid | Total Mixed Fert. | Potash               | Phosphate | AMM Phos | Ammonium Nitrate | Urea  | Nitrogen Solution | NH <sub>3</sub> | Misc. Material | Nitrogen   | Avail P <sub>2</sub> O <sub>5</sub> | Sol-uble K <sub>2</sub> O |
| Adair          | 2396                  | 209              | 3        | 6      | 218               | 819                  | 3         | 891      | ---              | 437   | 7                 | 8               | 13             | 346        | 452                                 | 513                       |
| Andrew         | 6800                  | 21               | ---      | 198    | 219               | 1604                 | ---       | 1901     | 858              | 445   | 150               | 1526            | 97             | 2094       | 986                                 | 977                       |
| Atchison       | 18587                 | 21               | 291      | 943    | 1255              | 3067                 | ---       | 3629     | 556              | 903   | 2775              | 5659            | 742            | 6716       | 2336                                | 1869                      |
| Audrain        | 16503                 | 79               | 186      | 74     | 339               | 3679                 | ---       | 3899     | 52               | 2463  | 1380              | 4292            | 399            | 5722       | 2084                                | 2286                      |
| Barry          | 7378                  | 260              | 39       | 2254   | 2553              | 495                  | 7         | 415      | 3770             | 116   | ---               | 19              | 3              | 1431       | 196                                 | 307                       |
| Barton         | 17580                 | 23               | 77       | 454    | 554               | 4129                 | ---       | 3514     | 3067             | 2418  | 593               | 2975            | 330            | 5505       | 1728                                | 2446                      |
| Bates          | 20472                 | 63               | ---      | 140    | 203               | 4695                 | ---       | 5242     | 2764             | 2177  | 906               | 4359            | 126            | 6682       | 2510                                | 2832                      |
| Benton         | 4954                  | 56               | 578      | 67     | 701               | 1768                 | 129       | 874      | 58               | 1015  | 130               | 196             | 83             | 923        | 697                                 | 1098                      |
| Bollinger      | 3108                  | 5                | ---      | 24     | 29                | 828                  | 101       | 798      | 596              | 556   | ---               | ---             | 200            | 656        | 417                                 | 499                       |
| Boone          | 6610                  | 956              | 287      | 77     | 1320              | 1250                 | 11        | 1051     | 913              | 55    | 617               | 1256            | 137            | 1818       | 575                                 | 817                       |
| Buchanan       | 8773                  | 746              | 272      | 76     | 1094              | 896                  | ---       | 1139     | 524              | 1110  | 532               | 2918            | 560            | 3509       | 745                                 | 575                       |
| Butler         | 24777                 | 240              | 1933     | 209    | 2382              | 6734                 | 1119      | 2215     | 305              | 8265  | 2331              | ---             | 1426           | 5544       | 2171                                | 4306                      |
| Caldwell       | 8795                  | 6                | 267      | 38     | 311               | 2087                 | ---       | 2454     | 834              | 955   | 306               | 1635            | 213            | 2638       | 1314                                | 1256                      |
| Callaway       | 9279                  | 94               | ---      | 47     | 141               | 2765                 | ---       | 2208     | 1611             | 637   | 654               | 1207            | 56             | 2421       | 1058                                | 1719                      |
| Camden         | 564                   | 553              | ---      | ---    | 553               | 1                    | ---       | ---      | ---              | ---   | ---               | ---             | 10             | 14         | 1                                   | 5                         |
| Cape Girardeau | 18120                 | 1034             | 713      | 294    | 2041              | 4072                 | 210       | 3037     | 1818             | 3128  | 1871              | 1130            | 813            | 4442       | 1709                                | 2657                      |
| Carroll        | 15117                 | 3                | 208      | 309    | 520               | 2005                 | ---       | 2239     | 97               | 1168  | 1029              | 7740            | 319            | 7647       | 1291                                | 1234                      |
| Carter         | 2                     | ---              | ---      | 2      | 2                 | ---                  | ---       | ---      | ---              | ---   | ---               | ---             | ---            | ---        | ---                                 | ---                       |
| Cass           | 24596                 | 1358             | ---      | 368    | 1726              | 4359                 | 22        | 3965     | 3302             | 1444  | 1814              | 7303            | 661            | 9256       | 2037                                | 2652                      |
| Cedar          | 3891                  | 9                | ---      | ---    | 9                 | 887                  | ---       | 886      | 1426             | 681   | ---               | ---             | 2              | 954        | 407                                 | 526                       |
| Chariton       | 24777                 | 5                | 2511     | 689    | 3205              | 4602                 | ---       | 5043     | 588              | 1916  | 2600              | 6271            | 552            | 8195       | 3198                                | 3425                      |
| Christian      | 2429                  | 1102             | ---      | 1      | 1103              | 282                  | 9         | 179      | 817              | 8     | ---               | ---             | 31             | 349        | 95                                  | 185                       |
| Clark          | 12009                 | 12               | 716      | 63     | 791               | 2352                 | ---       | 1991     | 8                | 952   | 2950              | 2536            | 429            | 3883       | 1174                                | 1621                      |
| Clay           | 12629                 | 1723             | ---      | 10436  | 12159             | 81                   | 21        | ---      | 218              | 13    | 26                | ---             | 111            | 748        | 140                                 | 56                        |
| Clinton        | 9672                  | 155              | 10       | 39     | 204               | 2099                 | ---       | 2752     | 1080             | 495   | ---               | 2591            | 451            | 3391       | 1301                                | 1266                      |
| Cole           | 6007                  | 481              | 542      | 180    | 1203              | 1164                 | 3         | 838      | 679              | 869   | 199               | 1038            | 14             | 1813       | 650                                 | 768                       |
| Cooper         | 16641                 | 48               | 431      | 145    | 624               | 3286                 | 49        | 2360     | 1105             | 2700  | 1415              | 4875            | 227            | 6518       | 1364                                | 2044                      |
| Crawford       | 1423                  | 23               | ---      | ---    | 23                | 353                  | ---       | 430      | ---              | 272   | ---               | ---             | 345            | 202        | 197                                 | 211                       |
| Dade           | 8363                  | 845              | 25       | 21     | 891               | 1552                 | ---       | 1250     | 3090             | 697   | 315               | ---             | 568            | 1883       | 606                                 | 964                       |
| Dallas         | 1968                  | 18               | ---      | 8      | 26                | 415                  | 25        | 465      | 1000             | 26    | 5                 | ---             | 6              | 438        | 226                                 | 249                       |
| Davies         | 5392                  | 23               | 393      | 1      | 417               | 1253                 | 50        | 493      | 392              | 405   | 78                | 2128            | 176            | 2242       | 371                                 | 749                       |
| DeKalb         | 5825                  | 7                | 156      | 38     | 201               | 1068                 | ---       | 1277     | 1223             | 206   | 52                | 1597            | 201            | 2155       | 676                                 | 645                       |
| Dent           | 1354                  | 70               | 23       | 1      | 94                | 550                  | ---       | 556      | 150              | ---   | ---               | ---             | 4              | 152        | 256                                 | 330                       |
| Douglas        | 2612                  | 107              | ---      | ---    | 107               | 552                  | ---       | 341      | 1607             | ---   | ---               | ---             | 5              | 606        | 156                                 | 330                       |
| Dunklin        | 63147                 | 318              | 726      | **     | 802               | 11944                | 843       | 6267     | 1184             | 12289 | 22761             | 19              | 7038           | 15389      | 3274                                | 7405                      |
| Franklin       | 13915                 | 1081             | ---      | 83     | 1164              | 2622                 | 115       | 2803     | 2428             | 3014  | 151               | 1418            | 200            | 4006       | 1399                                | 1637                      |
| Gasconade      | 5048                  | 113              | 3        | 10     | 126               | 1548                 | 25        | 1496     | 515              | 1078  | ---               | ---             | 260            | 1006       | 708                                 | 959                       |
| Gentry         | 15584                 | 13               | 908      | 84     | 1005              | 2209                 | ---       | 2185     | 3018             | 74    | 621               | 6147            | 325            | 6781       | 1280                                | 1539                      |
| Greene         | 8629                  | 5250             | ---      | 4      | 5254              | 1015                 | 125       | 613      | 599              | 131   | ---               | 7               | 885            | 853        | 463                                 | 746                       |
| Grundy         | 12483                 | 74               | 161      | 229    | 464               | 3138                 | ---       | 2728     | 2680             | 273   | 453               | 2720            | 27             | 3876       | 1449                                | 1923                      |
| Harrison       | 11594                 | 65               | 433      | 26     | 524               | 2922                 | ---       | 2220     | 1182             | 921   | 571               | 3196            | 58             | 3991       | 1288                                | 1760                      |
| Henry          | 9492                  | 137              | 135      | 102    | 374               | 2160                 | ---       | 2540     | 1866             | 1949  | 232               | ---             | 371            | 2143       | 1233                                | 1307                      |
| Hickory        | 1205                  | 1                | ---      | 3      | 4                 | 99                   | ---       | 233      | 666              | 78    | ---               | ---             | 125            | 302        | 107                                 | 59                        |
| Holt           | 15770                 | 11               | 24       | 773    | 808               | 2309                 | ---       | 3382     | 289              | 352   | 2991              | 4602            | 1037           | 5509       | 1810                                | 1450                      |
| Howard         | 5765                  | 7                | 185      | ---    | 192               | 727                  | ---       | 1080     | ---              | 805   | 611               | 2233            | 117            | 2548       | 622                                 | 479                       |
| Howell         | 8113                  | 459              | 94       | 6      | 559               | 1309                 | 49        | 1295     | 3126             | 83    | 173               | ---             | 1519           | 1815       | 665                                 | 826                       |
| Iron           | 13                    | 13               | ---      | ---    | 13                | ---                  | ---       | ---      | ---              | ---   | ---               | ---             | ---            | ---        | ---                                 | ---                       |
| Jackson        | 11380                 | 9136             | ---      | 15     | 9151              | 447                  | 96        | 532      | 143              | 375   | 94                | 4               | 538            | 1257       | 363                                 | 442                       |
| Jasper         | 11133                 | 956              | 966      | 37     | 1959              | 1618                 | 9         | 1468     | 1625             | 2142  | 1293              | 491             | 528            | 2952       | 864                                 | 1193                      |
| Jefferson      | 2305                  | 1962             | ---      | ---    | 1962              | 53                   | 20        | 123      | ---              | 128   | ---               | ---             | 19             | 202        | 66                                  | 56                        |
| Johnson        | 5918                  | 226              | 25       | 590    | 841               | 876                  | ---       | 839      | 1271             | 497   | 674               | 856             | 64             | 1741       | 520                                 | 634                       |
| Knox           | 7068                  | ---              | 165      | 2      | 167               | 1982                 | ---       | 1345     | 1258             | ---   | 907               | 1352            | 57             | 2026       | 705                                 | 1247                      |
| Laclede        | 6802                  | 402              | 198      | ---    | 600               | 1822                 | 155       | 1545     | 1812             | 655   | 96                | ---             | 117            | 1309       | 781                                 | 1065                      |
| Lafayette      | 26659                 | 88               | 366      | 337    | 791               | 5965                 | ---       | 6577     | ---              | 3443  | 1398              | 7806            | 679            | 9416       | 3666                                | 3596                      |
| Lawrence       | 52516                 | 68               | ---      | 38779  | 38847             | 2040                 | ---       | 1824     | 8271             | 1082  | 90                | ---             | 362            | 3732       | 843                                 | 1197                      |
| Lewis          | 325                   | 10               | 283      | 24     | 317               | 2880                 | ---       | 2762     | 228              | 947   | **                | 2838            | 81             | 146        | 1479                                | 1766                      |
| Lincoln        | 10722                 | 232              | ---      | 87     | 319               | 2530                 | 47        | 2200     | ---              | 2242  | 1379              | 1909            | 96             | 3472       | 1068                                | 1568                      |

\*\* Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JULY 1 THRU DECEMBER 31, 2011

| Counties       | Total All Fertilizers | MIXED FERTILIZER |          |        |                   | FERTILIZER MATERIALS |           |          |                  |      |                   |                 |                | PLANT FOOD |                                     |                           |
|----------------|-----------------------|------------------|----------|--------|-------------------|----------------------|-----------|----------|------------------|------|-------------------|-----------------|----------------|------------|-------------------------------------|---------------------------|
|                |                       | Bagged           | Bulk Dry | Liquid | Total Mixed Fert. | Potash               | Phosphate | AMM Phos | Ammonium Nitrate | Urea | Nitrogen Solution | NH <sub>3</sub> | Misc. Material | Nitrogen   | Avail P <sub>2</sub> O <sub>5</sub> | Sol-uble K <sub>2</sub> O |
| Linn           | 3834                  | 6                | 272      | ---    | 278               | 1305                 | ---       | 892      | 54               | 82   | ---               | 1215            | 8              | 1213       | 553                                 | 799                       |
| Livingston     | 5357                  | 85               | 51       | 49     | 185               | 2184                 | ---       | 1654     | 66               | 72   | 811               | 376             | 9              | 862        | 864                                 | 1359                      |
| McDonald       | 51                    | 1                | ---      | ---    | 1                 | ---                  | ---       | ---      | ---              | ---  | 49                | ---             | 1              | 14         | ---                                 | ---                       |
| Macon          | 26335                 | 14               | 26       | 21210  | 21250             | 1803                 | ---       | 1733     | ---              | 287  | ---               | 1177            | 85             | 1341       | 880                                 | 1113                      |
| Madison        | 175                   | ---              | ---      | ---    | ---               | 74                   | ---       | 25       | ---              | 76   | ---               | ---             | ---            | 39         | 11                                  | 44                        |
| Maries         | 119                   | ---              | ---      | ---    | ---               | 55                   | ---       | 64       | ---              | ---  | ---               | ---             | ---            | 7          | 33                                  | 33                        |
| Marion         | 9758                  | 17               | 529      | 914    | 1460              | 3043                 | 1         | 2374     | ---              | 232  | 585               | 1816            | 247            | 2259       | 1591                                | 1931                      |
| Mercer         | 1074                  | ---              | 101      | 47     | 148               | 426                  | ---       | 499      | ---              | ---  | ---               | ---             | 1              | 56         | 267                                 | 268                       |
| Miller         | 332                   | 24               | 24       | ---    | 48                | 25                   | ---       | 76       | ---              | 180  | ---               | ---             | 3              | 99         | 37                                  | 17                        |
| Mississippi    | 9047                  | 1                | 444      | 312    | 757               | 2416                 | ---       | 1628     | ---              | 1527 | 756               | 114             | 1849           | 1483       | 938                                 | 1449                      |
| Moniteau       | 2409                  | 1                | 53       | 77     | 131               | 678                  | ---       | 814      | ---              | 547  | 20                | 160             | 59             | 546        | 392                                 | 435                       |
| Monroe         | 9361                  | 9                | 934      | 17     | 960               | 2504                 | ---       | 3002     | 74               | 26   | 47                | 2606            | 142            | 2811       | 1802                                | 1547                      |
| Montgomery     | 6732                  | 26               | 17       | 332    | 375               | 2073                 | 50        | 1720     | ---              | 511  | 677               | 1137            | 189            | 1663       | 964                                 | 1349                      |
| Morgan         | 3411                  | 29               | ---      | 23     | 52                | 504                  | ---       | 807      | 1752             | 199  | ---               | ---             | 97             | 857        | 381                                 | 319                       |
| New Madrid     | 13086                 | 10               | **       | **     | **                | 7505                 | 1566      | **       | 172              | 2636 | 298               | ---             | 1526           | 1479       | 616                                 | 4189                      |
| Newton         | 62591                 | 53               | ---      | 60507  | 60560             | 500                  | ---       | 307      | 1078             | 45   | 25                | 75              | 1              | 520        | 151                                 | 282                       |
| Nodaway        | 14687                 | 26               | 1065     | ---    | 1091              | 3098                 | 25        | 2951     | 918              | 81   | 1180              | 5127            | 216            | 5448       | 1947                                | 1858                      |
| Oregon         | 986                   | ---              | ---      | ---    | ---               | 166                  | ---       | 151      | 669              | ---  | ---               | ---             | ---            | 251        | 69                                  | 97                        |
| Osage          | 1107                  | 1                | ---      | ---    | 1                 | 228                  | 2         | 372      | 202              | 231  | ---               | 60              | 11             | 291        | 171                                 | 141                       |
| Ozark          | 537                   | 5                | ---      | ---    | 5                 | 40                   | ---       | 113      | 379              | ---  | ---               | ---             | ---            | 147        | 52                                  | 24                        |
| Pemiscot       | 9412                  | ---              | **       | 1085   | 1035              | 2265                 | 131       | 480      | 22               | 2619 | 2690              | ---             | 170            | 2324       | 707                                 | 1312                      |
| Perry          | 5543                  | 36               | 120      | 7      | 163               | 2031                 | 125       | 1608     | 7                | 509  | 745               | 318             | 44             | 1040       | 849                                 | 1213                      |
| Pettis         | 6295                  | 38               | ---      | 5      | 43                | 1742                 | ---       | 1787     | 1365             | 206  | 598               | 426             | 128            | 1379       | 855                                 | 1073                      |
| Phelps         | 1297                  | 461              | ---      | ---    | 461               | 123                  | ---       | 103      | 434              | ---  | ---               | ---             | 176            | 205        | 52                                  | 91                        |
| Pike           | 15842                 | 17               | 1457     | 84     | 1558              | 5543                 | ---       | 4177     | 201              | 519  | 235               | 3493            | 116            | 4037       | 2547                                | 3576                      |
| Platte         | 3661                  | 473              | 3        | ---    | 476               | 848                  | ---       | 690      | 975              | 17   | ---               | 625             | 30             | 974        | 362                                 | 526                       |
| Polk           | 1415                  | 2                | ---      | ---    | 2                 | 519                  | ---       | 375      | 398              | 78   | ---               | 40              | 3              | 271        | 172                                 | 309                       |
| Pulaski        | 1303                  | 21               | 24       | ---    | 45                | 369                  | ---       | 244      | 567              | 25   | 50                | ---             | 3              | 265        | 113                                 | 222                       |
| Putnam         | 2875                  | ---              | 963      | 741    | 1704              | 744                  | ---       | 268      | 107              | 27   | 25                | ---             | ---            | 117        | 162                                 | 460                       |
| Ralls          | 6470                  | 7                | 257      | 680    | 944               | 1523                 | ---       | 1817     | ---              | ---  | 349               | 1824            | 13             | 1937       | 1123                                | 1077                      |
| Randolph       | 3259                  | 277              | 77       | 3      | 357               | 1153                 | ---       | 838      | 338              | 247  | ---               | 319             | 7              | 659        | 433                                 | 730                       |
| Ray            | 4641                  | 9                | 408      | ---    | 417               | 1287                 | ---       | 1362     | 78               | 412  | 200               | 752             | 133            | 1144       | 836                                 | 779                       |
| Reynolds       | ---                   | ---              | ---      | ---    | ---               | ---                  | ---       | ---      | ---              | ---  | ---               | ---             | ---            | ---        | ---                                 | ---                       |
| Ripley         | 571                   | ---              | 15       | 106    | 121               | 75                   | 35        | ---      | ---              | 226  | ---               | ---             | 114            | 112        | 38                                  | 66                        |
| St. Charles    | 11764                 | 3006             | 96       | 494    | 3596              | 1389                 | ---       | 1893     | ---              | 497  | 2706              | 1146            | 537            | 2789       | 1148                                | 953                       |
| St. Clair      | 3651                  | 45               | 116      | ---    | 161               | 1419                 | ---       | 231      | 1588             | 141  | ---               | ---             | 111            | 680        | 110                                 | 846                       |
| St. Francois   | 370                   | 38               | ---      | ---    | 38                | 100                  | ---       | 76       | ---              | 152  | ---               | ---             | 4              | 86         | 36                                  | 62                        |
| Ste. Genevieve | 3594                  | 55               | ---      | 52     | 107               | 894                  | 150       | 1018     | ---              | 428  | 676               | 316             | 5              | 864        | 555                                 | 554                       |
| St. Louis      | 4058                  | 3057             | 32       | 1      | 3090              | 23                   | 11        | 27       | ---              | 110  | 2                 | ---             | 795            | 572        | 154                                 | 219                       |
| Saline         | 19094                 | 5                | 508      | 9      | 522               | 5893                 | ---       | 6474     | 25               | ---  | ---               | 5621            | 559            | 5393       | 3473                                | 3696                      |
| Schuyler       | 1051                  | ---              | 125      | ---    | 125               | 297                  | ---       | 289      | ---              | 138  | ---               | 194             | 8              | 276        | 138                                 | 182                       |
| Scotland       | 6369                  | ---              | 922      | 6      | 928               | 1919                 | ---       | 1418     | ---              | 899  | 152               | 1000            | 53             | 1509       | 804                                 | 1235                      |
| Scott          | 21908                 | 99               | **       | 13990  | 13503             | 3912                 | 25        | 2655     | 7                | 640  | 167               | 218             | 781            | 1128       | 1142                                | 2157                      |
| Shannon        | 1247                  | ---              | 133      | ---    | 133               | 150                  | 25        | 100      | 813              | ---  | ---               | ---             | 26             | 315        | 78                                  | 110                       |
| Shelby         | 11924                 | 11               | 541      | **     | 548               | 4702                 | ---       | 4185     | 173              | 326  | 222               | 1605            | 163            | 2231       | 2317                                | 2896                      |
| Stoddard       | 20300                 | 7                | 998      | 136    | 1141              | 6528                 | 585       | 4558     | 49               | 4517 | 503               | 79              | 2340           | 3642       | 2570                                | 4207                      |
| Stone          | 126                   | 1                | ---      | ---    | 1                 | 99                   | ---       | ---      | 26               | ---  | ---               | ---             | ---            | 9          | ---                                 | 61                        |
| Sullivan       | 633                   | 4                | ---      | ---    | 4                 | 365                  | ---       | 237      | ---              | 27   | ---               | ---             | ---            | 51         | 112                                 | 225                       |
| Taney          | 187                   | 185              | ---      | ---    | 185               | ---                  | 1         | ---      | ---              | ---  | ---               | ---             | 1              | ---        | ---                                 | ---                       |
| Texas          | 3932                  | ---              | ---      | 21     | 21                | 2018                 | 25        | 253      | 1443             | ---  | ---               | ---             | 172            | 545        | 120                                 | 1206                      |
| Vernon         | 7382                  | ---              | 120      | 1301   | 1421              | 2223                 | ---       | 2438     | 391              | 398  | 127               | 334             | 50             | 1061       | 1201                                | 1391                      |
| Warren         | 6238                  | 55               | ---      | 29     | 84                | 1263                 | 15        | 1802     | 25               | 2145 | 231               | 80              | 593            | 1459       | 856                                 | 789                       |
| Washington     | 296                   | ---              | ---      | ---    | ---               | 75                   | ---       | 76       | ---              | 50   | ---               | ---             | 95             | 37         | 34                                  | 45                        |
| Wayne          | 510                   | 1                | ---      | ---    | 1                 | 78                   | ---       | 227      | 152              | ---  | 26                | ---             | 26             | 105        | 104                                 | 47                        |
| Webster        | 1622                  | 143              | 71       | ---    | 214               | 412                  | 25        | 205      | 740              | ---  | ---               | ---             | 26             | 317        | 112                                 | 273                       |
| Worth          | 1535                  | ---              | 26       | 30     | 56                | 404                  | ---       | 409      | 300              | ---  | ---               | 365             | 1              | 453        | 230                                 | 248                       |
| Wright         | 734                   | 44               | ---      | ---    | 44                | 153                  | ---       | 131      | 406              | ---  | ---               | ---             | ---            | 166        | 65                                  | 97                        |

\*\* Credits exceeded shipments.

APPROXIMATE TONNAGE BY COUNTIES OF FERTILIZERS SHIPPED FOR USE IN MISSOURI, JANUARY 1 THRU JUNE 30, 2012

| Counties       | Total All Fertilizers | MIXED FERTILIZER |          |        |                   | FERTILIZER MATERIALS |           |          |                  |       |                   |                 |                | PLANT FOOD |                                     |                           |
|----------------|-----------------------|------------------|----------|--------|-------------------|----------------------|-----------|----------|------------------|-------|-------------------|-----------------|----------------|------------|-------------------------------------|---------------------------|
|                |                       | Bagged           | Bulk Dry | Liquid | Total Mixed Fert. | Potash               | Phosphate | AMM Phos | Ammonium Nitrate | Urea  | Nitrogen Solution | NH <sub>3</sub> | Misc. Material | Nitrogen   | Avail P <sub>2</sub> O <sub>5</sub> | Sol-uble K <sub>2</sub> O |
| Linn           | 10285                 | 34               | 323      | 76     | 433               | 2710                 | ---       | 2255     | 988              | 1220  | 391               | 2236            | 52             | 3208       | 1275                                | 1668                      |
| Livingston     | 11265                 | 138              | 179      | 24     | 341               | 3385                 | ---       | 2483     | 889              | 1213  | 1949              | 889             | 116            | 2638       | 1285                                | 2102                      |
| McDonald       | 1023                  | 118              | ---      | ---    | 118               | ---                  | ---       | ---      | 27               | ---   | 877               | ---             | 1              | 273        | ---                                 | ---                       |
| Macon          | 25212                 | 88               | 7        | 18868  | 18963             | 1803                 | ---       | 1765     | ---              | 1156  | 99                | 1332            | 94             | 1897       | 946                                 | 1125                      |
| Madison        | 140                   | 37               | 1        | ---    | 38                | ---                  | ---       | 49       | ---              | 50    | ---               | ---             | 3              | 32         | 22                                  | ---                       |
| Maries         | 18                    | ---              | ---      | 15     | 15                | ---                  | ---       | ---      | ---              | ---   | ---               | ---             | 3              | ---        | 1                                   | ---                       |
| Marion         | 18147                 | 163              | 631      | 2120   | 2914              | 3880                 | ---       | 2888     | 230              | 175   | 3333              | 4435            | 292            | 5526       | 2062                                | 2715                      |
| Mercer         | 1866                  | ---              | 74       | 1      | 75                | 705                  | ---       | 617      | 10               | 279   | 180               | ---             | ---            | 266        | 336                                 | 450                       |
| Miller         | 3694                  | 216              | ---      | ---    | 216               | 1081                 | ---       | 678      | 351              | 1313  | ---               | ---             | 55             | 872        | 313                                 | 673                       |
| Mississippi    | 59592                 | 5                | 2950     | 1142   | 4097              | 6778                 | 948       | 2062     | ---              | 4478  | 34393             | 1419            | 5417           | 15506      | 2208                                | 4198                      |
| Moniteau       | 4571                  | 24               | 96       | 104    | 224               | 1184                 | ---       | 1006     | ---              | 891   | 456               | 799             | 11             | 1401       | 498                                 | 751                       |
| Monroe         | 13767                 | 4                | 638      | 82     | 724               | 4278                 | ---       | 3320     | 1644             | 252   | 429               | 2735            | 385            | 3708       | 1891                                | 2606                      |
| Montgomery     | 16403                 | 51               | ---      | 205    | 256               | 2723                 | 25        | 3273     | 279              | 4057  | 2063              | 3223            | 504            | 5910       | 1645                                | 1701                      |
| Morgan         | 5993                  | 153              | ---      | 14     | 167               | 1059                 | 51        | 787      | 1544             | 992   | 1034              | ---             | 359            | 1496       | 402                                 | 663                       |
| New Madrid     | 54409                 | 124              | 367      | 229    | 720               | 10431                | **        | 3191     | 228              | 19391 | 19041             | ---             | 2307           | 16099      | 1204                                | 6232                      |
| Newton         | 77630                 | 271              | ---      | 68499  | 68770             | 1168                 | ---       | 819      | 3711             | 925   | 1610              | 534             | 93             | 2792       | 395                                 | 687                       |
| Nodaway        | 23211                 | 90               | 1664     | 164    | 1918              | 4744                 | ---       | 5055     | 2824             | 1546  | 807               | 6040            | 277            | 7760       | 3113                                | 2907                      |
| Oregon         | 4632                  | 36               | ---      | ---    | 36                | 872                  | 76        | 983      | 2451             | 25    | ---               | ---             | 189            | 1067       | 487                                 | 523                       |
| Osage          | 12447                 | 29               | 55       | 70     | 154               | 3413                 | ---       | 2955     | 1137             | 4224  | 101               | 399             | 64             | 3242       | 1394                                | 2124                      |
| Ozark          | 3635                  | 11               | ---      | ---    | 11                | 840                  | 13        | 849      | 1797             | ---   | ---               | ---             | 125            | 787        | 396                                 | 503                       |
| Pemiscot       | 27725                 | 3                | ---      | 178    | 181               | 3209                 | 143       | 1290     | ---              | 13035 | 7784              | ---             | 2083           | 9124       | 729                                 | 1929                      |
| Perry          | 15357                 | 148              | 180      | 18     | 346               | 3630                 | 221       | 2714     | 553              | 3149  | 1735              | 2644            | 365            | 4988       | 1432                                | 2143                      |
| Pettis         | 26461                 | 346              | 27       | 11403  | 11776             | 3793                 | ---       | 3167     | 1669             | 1534  | 872               | 3378            | 272            | 4887       | 1554                                | 2380                      |
| Phelps         | 8838                  | 6906             | ---      | ---    | 6906              | 560                  | 30        | 639      | 509              | 77    | 19                | ---             | 98             | 767        | 346                                 | 453                       |
| Pike           | 26246                 | 25               | 819      | 168    | 1012              | 5836                 | ---       | 5286     | 180              | 1920  | 2979              | 4652            | 4381           | 7028       | 2818                                | 3721                      |
| Platte         | 6160                  | 575              | 372      | 81     | 1028              | 815                  | 9         | 1186     | 1050             | 17    | 170               | 1468            | 417            | 2022       | 700                                 | 576                       |
| Polk           | 7254                  | 150              | 189      | ---    | 339               | 1564                 | 25        | 2567     | 2265             | 416   | ---               | ---             | 78             | 1444       | 1198                                | 927                       |
| Pulaski        | 6175                  | 481              | 24       | 1      | 506               | 1571                 | 3         | 1801     | 1298             | 994   | ---               | ---             | 2              | 1232       | 830                                 | 946                       |
| Putnam         | 8790                  | ---              | 2403     | 27     | 2430              | 1626                 | ---       | 1702     | 1712             | 209   | 1100              | 11              | ---            | 1353       | 855                                 | 985                       |
| Ralls          | 6021                  | 4                | ---      | 1652   | 1656              | 1280                 | ---       | 845      | 253              | 218   | 675               | 977             | 117            | 1408       | 706                                 | 1132                      |
| Randolph       | 10610                 | 2466             | 221      | 282    | 2969              | 2165                 | ---       | 1614     | 1856             | 284   | 982               | 141             | 599            | 1725       | 1022                                | 1507                      |
| Ray            | 11177                 | 21               | 130      | 233    | 384               | 1233                 | ---       | 1418     | 1512             | 730   | 453               | 5147            | 300            | 5447       | 838                                 | 756                       |
| Reynolds       | ---                   | ---              | ---      | ---    | ---               | ---                  | ---       | ---      | ---              | ---   | ---               | ---             | ---            | ---        | ---                                 | ---                       |
| Ripley         | 2752                  | 4                | 127      | 109    | 240               | 476                  | 136       | 254      | ---              | 653   | ---               | ---             | 993            | 411        | 220                                 | 313                       |
| St. Charles    | 26244                 | 6817             | 118      | 710    | 7645              | 1732                 | 32        | 1421     | ---              | 530   | 12186             | 1452            | 1246           | 6415       | 925                                 | 1222                      |
| St. Clair      | 6792                  | 131              | 112      | ---    | 243               | 1405                 | ---       | 2072     | 1585             | 958   | 226               | ---             | 303            | 1510       | 956                                 | 845                       |
| St. Francois   | 1996                  | 436              | 49       | ---    | 485               | 377                  | 83        | 506      | ---              | 534   | ---               | ---             | 11             | 353        | 274                                 | 234                       |
| Ste. Genevieve | 7768                  | 83               | ---      | 215    | 298               | 1589                 | 124       | 1295     | 147              | 1852  | 960               | 1464            | 39             | 2674       | 718                                 | 975                       |
| St. Louis      | 14383                 | 13011            | 69       | 1      | 13081             | 167                  | 126       | 49       | ---              | 25    | ---               | 82              | 853            | 1183       | 169                                 | 412                       |
| Saline         | 16027                 | 73               | 18       | 88     | 179               | 2802                 | ---       | 3131     | 53               | 2029  | 212               | 7253            | 368            | 7399       | 1640                                | 1709                      |
| Schuyler       | 2472                  | 5                | 120      | 241    | 366               | 677                  | ---       | 570      | ---              | 351   | 34                | 472             | 2              | 672        | 286                                 | 421                       |
| Scotland       | 8489                  | 16               | 796      | 824    | 1636              | 1842                 | ---       | 1484     | ---              | 337   | 741               | 2344            | 105            | 2642       | 841                                 | 1451                      |
| Scott          | 56851                 | 596              | 125      | 11706  | 12427             | 6495                 | 75        | 4100     | ---              | 6523  | 18561             | 1154            | 7516           | 11674      | 1987                                | 3928                      |
| Shannon        | 660                   | ---              | 149      | ---    | 149               | 281                  | ---       | 226      | ---              | ---   | ---               | ---             | 4              | 42         | 105                                 | 167                       |
| Shelby         | 21259                 | 3                | 974      | 21     | 998               | 7364                 | ---       | 6575     | 2447             | 646   | 861               | 2167            | 202            | 4159       | 3468                                | 4547                      |
| Stoddard       | 77814                 | 55               | 2122     | 661    | 2838              | 14486                | 633       | 10639    | 218              | 26362 | 9975              | 1714            | 10949          | 21303      | 5602                                | 9204                      |
| Stone          | 1207                  | 9                | ---      | ---    | 9                 | 251                  | ---       | 231      | 714              | ---   | ---               | ---             | 2              | 281        | 106                                 | 154                       |
| Sullivan       | 3128                  | 5                | 131      | ---    | 136               | 834                  | ---       | 826      | 551              | 373   | 383               | ---             | 25             | 631        | 437                                 | 539                       |
| Taney          | 650                   | 611              | ---      | ---    | 611               | ---                  | 17        | ---      | ---              | ---   | 7                 | ---             | 15             | 15         | 1                                   | 3                         |
| Texas          | 21135                 | 56               | ---      | ---    | 56                | 2631                 | 50        | 4935     | 12705            | 294   | ---               | ---             | 464            | 5330       | 2292                                | 1572                      |
| Vernon         | 21968                 | 69               | 390      | 202    | 661               | 4592                 | ---       | 4645     | 4864             | 2797  | 1018              | 3137            | 254            | 6715       | 2233                                | 2777                      |
| Warren         | 5810                  | 110              | ---      | 42     | 152               | 597                  | 71        | 1117     | 230              | 702   | 104               | 457             | 2380           | 1034       | 557                                 | 376                       |
| Washington     | 1611                  | 33               | ---      | ---    | 33                | 413                  | ---       | 781      | ---              | 360   | ---               | ---             | 24             | 306        | 359                                 | 248                       |
| Wayne          | 2050                  | 39               | ---      | ---    | 39                | 530                  | ---       | 694      | 600              | ---   | ---               | 58              | 129            | 403        | 322                                 | 320                       |
| Webster        | 6309                  | 537              | 175      | 14     | 726               | 1317                 | 148       | 950      | 2137             | 325   | 128               | ---             | 578            | 1345       | 530                                 | 837                       |
| Worth          | 3648                  | 4                | 210      | 27     | 241               | 585                  | ---       | 889      | 383              | 546   | 150               | 803             | 51             | 1260       | 531                                 | 351                       |
| Wright         | 4597                  | 139              | 12       | ---    | 151               | 1043                 | 1         | 1001     | 2160             | 26    | ---               | ---             | 215            | 975        | 474                                 | 638                       |

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