

Table 32. Estimated Quantity of Water Applied in the Open Using Only One Method of Distribution: 2018 and 2013

[Excludes area under protection and institutional, research, and experimental farms. For meaning of abbreviations and symbols see introductory text.]

| Geographic area | Water applied by all methods | | | Only sprinkler systems | | | Only gravity flow systems | | | Only drip, trickle, or low-flow micro sprinkler systems | | |
|-------------------------------------|------------------------------|-------------------|----------------------------|------------------------|------------------------------|----------------------------|---------------------------|------------------------------|----------------------------|---|------------------------------|----------------------------|
| | Acres irrigated ¹ | Acre-feet applied | Average acre-feet per acre | Farms | Acres irrigated ¹ | Average acre-feet per acre | Farms | Acres irrigated ¹ | Average acre-feet per acre | Farms | Acres irrigated ¹ | Average acre-feet per acre |
| United States 2018 | 55,886,470 | 83,332,760 | 1.5 | 79,830 | 22,877,786 | 1.1 | 61,091 | 13,649,228 | 1.8 | 44,753 | 3,776,584 | 2.1 |
| 2013 | 55,283,340 | 88,455,968 | 1.6 | 81,745 | 24,068,728 | 1.2 | 53,824 | 13,296,785 | 1.9 | 37,877 | 2,489,767 | 1.9 |
| 2018 DATA | | | | | | | | | | | | |
| Alabama | 162,612 | 95,915 | 0.6 | 436 | 128,847 | 0.6 | 75 | 9,175 | 0.9 | 326 | 10,467 | 0.3 |
| Alaska | (D) | 1,207 | 0.8 | 34 | 870 | 0.9 | 19 | 85 | 0.7 | 92 | 189 | 0.7 |
| Arizona | 945,236 | 4,409,708 | 4.7 | 301 | 68,215 | 3.1 | 2,150 | 593,775 | 4.9 | 293 | 56,868 | 4.2 |
| Arkansas | 4,246,295 | 5,071,653 | 1.2 | 228 | 46,182 | 0.8 | 2,171 | 3,152,019 | 1.3 | 170 | 2,591 | 1.3 |
| California | 8,399,881 | 24,490,687 | 2.9 | 4,399 | 357,544 | 2.9 | 9,040 | 1,888,221 | 3.5 | 21,468 | 2,712,682 | 2.4 |
| Colorado | 2,458,120 | 3,840,763 | 1.6 | 2,822 | 1,061,275 | 1.5 | 9,114 | 891,277 | 1.7 | 280 | 717 | 1.0 |
| Connecticut | 4,936 | 2,906 | 0.6 | 204 | 2,492 | 0.5 | 43 | 43 | 2.0 | 107 | 344 | 0.7 |
| Delaware | 201,224 | 79,744 | 0.4 | 447 | 189,107 | 0.4 | 2 | (D) | (D) | 31 | 632 | 0.5 |
| Florida | 1,324,471 | 1,352,233 | 1.0 | 2,735 | 240,449 | 1.0 | 178 | 413,173 | 0.9 | 3,276 | 410,469 | 1.0 |
| Georgia | 1,162,380 | 817,940 | 0.7 | 2,034 | 935,625 | 0.7 | 70 | 1,225 | 0.9 | 1,174 | 110,674 | 1.0 |
| Hawaii | (D) | 35,530 | 1.4 | 366 | 3,610 | 1.3 | 40 | 146 | 1.1 | 606 | 13,874 | 1.6 |
| Idaho | 3,392,674 | 6,614,755 | 1.9 | 5,485 | 2,077,384 | 1.9 | 6,362 | 548,565 | 2.2 | 278 | 1,913 | 1.5 |
| Illinois | 564,575 | 332,220 | 0.6 | 1,266 | 552,543 | 0.6 | 21 | 21 | 1.0 | 288 | 5,362 | 1.0 |
| Indiana | 582,102 | 247,555 | 0.4 | 1,389 | 530,952 | 0.4 | 6 | 12 | 0.5 | 261 | 8,764 | 0.5 |
| Iowa | 165,621 | 60,983 | 0.4 | 565 | 160,728 | 0.4 | 5 | 25 | 0.4 | 217 | 1,340 | 0.7 |
| Kansas | 2,386,483 | 2,458,994 | 1.0 | 3,068 | 1,867,899 | 1.1 | 296 | 23,725 | 0.7 | 183 | 576 | 0.4 |
| Kentucky | 57,506 | 21,991 | 0.4 | 177 | 46,687 | 0.4 | 57 | 121 | 0.6 | 466 | 6,657 | 0.4 |
| Louisiana | 1,071,564 | 1,019,977 | 1.0 | 237 | 27,547 | 0.5 | 1,140 | 810,334 | 1.0 | 185 | 1,162 | 0.4 |
| Maine | (D) | 15,535 | 0.4 | 350 | 31,063 | 0.4 | 5 | 8 | 0.6 | 121 | 299 | 0.9 |
| Maryland | 124,486 | 68,096 | 0.5 | 453 | 109,678 | 0.5 | - | - | - | 161 | 1,935 | 0.4 |
| Massachusetts | 18,834 | 22,588 | 1.2 | 464 | 7,700 | 0.6 | 180 | 5,240 | 1.8 | 285 | 2,436 | 0.2 |
| Michigan | 824,218 | 454,261 | 0.6 | 1,777 | 750,056 | 0.5 | - | - | - | 991 | 23,119 | 1.2 |
| Minnesota | 553,858 | 248,126 | 0.4 | 1,867 | 536,179 | 0.4 | 4 | (D) | 1.0 | 151 | 1,188 | 0.3 |
| Mississippi | (D) | 1,168,359 | 0.7 | 282 | 104,296 | 0.5 | 725 | 955,807 | 0.8 | 205 | 5,197 | 0.7 |
| Missouri | 1,428,310 | 1,109,102 | 0.8 | 940 | 372,585 | 0.6 | 400 | 513,483 | 0.9 | 615 | 2,793 | 0.6 |
| Montana | 2,139,878 | 2,548,878 | 1.2 | 2,933 | 468,484 | 1.1 | 3,840 | 841,857 | 1.1 | 200 | 516 | 1.3 |
| Nebraska | 7,665,880 | 4,856,075 | 0.6 | 7,425 | 4,201,316 | 0.6 | 976 | 98,757 | 0.8 | 231 | 3,839 | 0.4 |
| Nevada | 693,466 | 1,920,216 | 2.8 | 336 | 157,200 | 3.0 | 1,186 | 321,341 | 2.5 | 21 | 55 | 2.5 |
| New Hampshire | (D) | 1,688 | 0.6 | 119 | 256 | 0.5 | 49 | 84 | 0.6 | 298 | 988 | 0.8 |
| New Jersey | 88,604 | 50,318 | 0.6 | 666 | 50,498 | 0.5 | 13 | 26 | 0.5 | 398 | 10,182 | 0.5 |
| New Mexico | 675,092 | 1,337,721 | 2.0 | 1,439 | 269,418 | 1.5 | 7,265 | 210,984 | 2.2 | 695 | 16,465 | 3.0 |
| New York | 45,847 | 33,011 | 0.7 | 434 | 19,460 | 0.7 | 73 | 1,392 | 1.2 | 645 | 10,837 | 0.8 |
| North Carolina | 131,631 | 54,315 | 0.4 | 1,101 | 101,237 | 0.4 | 80 | 1,322 | 0.1 | 575 | 5,868 | 0.8 |
| North Dakota | (D) | 189,921 | 0.6 | 537 | 218,065 | 0.6 | 86 | 16,576 | 0.8 | 7 | 17 | 0.8 |
| Ohio | 37,740 | 15,877 | 0.4 | 409 | 25,929 | 0.4 | 26 | 718 | (D) | 411 | 5,526 | 0.4 |
| Oklahoma | (D) | 661,996 | 1.1 | 1,122 | 501,116 | 1.1 | 176 | 45,174 | 1.2 | 315 | 1,346 | 0.8 |
| Oregon | 1,577,008 | 2,716,564 | 1.7 | 7,481 | 812,108 | 1.7 | 2,607 | 372,779 | 1.7 | 1,564 | 37,066 | 1.7 |
| Pennsylvania | 37,849 | 38,272 | 1.0 | 375 | 7,057 | 0.3 | 37 | 53 | 0.7 | 1,133 | 11,620 | 0.4 |
| Rhode Island | (D) | 936 | 0.3 | 41 | 2,512 | 0.2 | 5 | 40 | 0.1 | 100 | 244 | 0.9 |
| South Carolina | 252,409 | 203,351 | 0.8 | 723 | 198,296 | 0.8 | 14 | 70 | 0.2 | 500 | 19,856 | 0.8 |
| South Dakota | 378,309 | 261,342 | 0.7 | 787 | 303,518 | 0.5 | 243 | 28,969 | 1.0 | 60 | 1,576 | 1.4 |
| Tennessee | 190,003 | 80,824 | 0.4 | 573 | 158,059 | 0.4 | 66 | 4,252 | (D) | 359 | 1,610 | 0.5 |
| Texas | 4,083,451 | 5,343,356 | 1.3 | 5,800 | 2,603,403 | 1.2 | 2,334 | 664,410 | 1.9 | 2,117 | 101,966 | 1.4 |
| Utah | 1,181,301 | 2,326,069 | 2.0 | 5,219 | 482,414 | 2.0 | 5,345 | 329,835 | 2.0 | 212 | 5,603 | 3.3 |
| Vermont | 2,613 | 2,025 | 0.8 | 111 | 851 | 1.0 | 25 | 25 | 1.0 | 131 | 683 | 0.9 |
| Virginia | 47,136 | 13,542 | 0.3 | 518 | 40,279 | 0.3 | 4 | 1,324 | 0.2 | 490 | 4,346 | 0.4 |
| Washington | 1,864,760 | 4,071,696 | 2.2 | 7,009 | 1,255,061 | 2.2 | 792 | 39,081 | 1.7 | 1,639 | 152,903 | 1.8 |
| West Virginia | 6,188 | 1,740 | 0.3 | 96 | 5,790 | 0.3 | - | - | - | 117 | 283 | 0.7 |
| Wisconsin | 517,394 | 293,431 | 0.6 | 1,272 | 504,261 | 0.6 | - | - | - | 283 | 919 | 0.5 |
| Wyoming | 1,561,506 | 2,268,768 | 1.5 | 978 | 281,585 | 1.4 | 3,746 | 863,671 | 1.4 | 22 | 22 | 1.0 |
| Water Resources Regions | | | | | | | | | | | | |
| Region 01 New England | 66,062 | 44,532 | 0.7 | 1,237 | 44,133 | 0.5 | 282 | 5,415 | 1.8 | 1,001 | 4,929 | 0.5 |
| Region 02 Mid-Atlantic | 518,002 | 263,819 | 0.5 | 2,451 | 406,035 | 0.4 | 83 | 1,855 | 0.6 | 2,174 | 32,122 | 0.5 |
| Region 03 South Atlantic-Gulf | 3,032,227 | 2,521,236 | 0.8 | 7,117 | 1,601,722 | 0.7 | 409 | 425,527 | 0.9 | 6,113 | 558,825 | 1.0 |
| Region 04 Great Lakes | 1,124,241 | 574,437 | 0.5 | 2,901 | 1,020,481 | 0.5 | 95 | 1,657 | 1.0 | 1,643 | 31,407 | 1.0 |
| Region 05 Ohio | 441,080 | 208,453 | 0.5 | 1,549 | 383,265 | 0.5 | 87 | 185 | 0.6 | 1,348 | 18,120 | 0.5 |
| Region 06 Tennessee | (D) | 45,012 | 0.6 | 357 | 58,394 | 0.6 | 95 | 520 | 0.2 | 288 | 2,825 | 0.9 |
| Region 07 Upper Mississippi | 1,624,769 | 860,160 | 0.5 | 4,447 | 1,543,762 | 0.5 | 45 | 5,984 | 0.2 | 917 | 8,930 | 0.8 |
| Region 08 Lower Mississippi | (D) | 7,422,885 | 1.0 | 1,048 | 465,824 | 0.5 | 3,856 | 4,881,127 | 1.1 | 261 | 6,368 | 0.5 |
| Region 09 Souris-Red-Rainy | 207,595 | 116,902 | 0.6 | 511 | 201,851 | 0.6 | 6 | 12 | 1.2 | 38 | 130 | 0.3 |
| Region 10 Missouri | 13,105,909 | 11,265,893 | 0.9 | 14,374 | 6,587,130 | 0.7 | 9,604 | 1,637,838 | 1.3 | 951 | 7,989 | 0.7 |
| Region 11 Arkansas-White-Red | 4,876,728 | 5,714,078 | 1.2 | 4,741 | 3,361,825 | 1.2 | 2,492 | 745,070 | 1.2 | 966 | 6,678 | 1.4 |
| Region 12 Texas-Gulf | 2,693,245 | 3,509,476 | 1.3 | 4,736 | 1,458,449 | 1.1 | 1,949 | 581,955 | 2.0 | 1,815 | 96,072 | 1.3 |
| Region 13 Rio Grande | 709,230 | 1,483,424 | 2.1 | 913 | 237,124 | 2.1 | 6,518 | 314,670 | 2.0 | 717 | 9,787 | 3.2 |
| Region 14 Upper Colorado | 1,472,320 | 2,558,532 | 1.7 | 3,104 | 266,505 | 2.1 | 7,984 | 868,044 | 1.6 | 166 | 501 | 1.8 |
| Region 15 Lower Colorado | 1,035,023 | 4,726,392 | 4.6 | 567 | 79,588 | 3.0 | 2,487 | 627,311 | 4.8 | 357 | 67,480 | 4.0 |
| Region 16 Great Basin | 1,763,271 | 3,942,124 | 2.2 | 4,004 | 595,129 | 2.2 | 5,462 | 614,853 | 2.2 | 190 | 5,584 | 3.3 |
| Region 17 Pacific Northwest | 7,010,052 | 13,591,647 | 1.9 | 20,686 | 4,146,629 | 2.0 | 10,453 | 1,032,785 | 1.9 | 3,644 | 192,288 | 1.8 |
| Region 18 California | 8,483,718 | 24,447,021 | 2.9 | 4,687 | 415,360 | 2.6 | 9,125 | 1,904,189 | 3.4 | 21,466 | 2,712,486 | 2.4 |
| Region 19 Alaska | (D) | 1,207 | 0.8 | 34 | 970 | 0.9 | 19 | 85 | 0.7 | 92 | 189 | 0.7 |
| Region 20 Hawaii | (D) | 35,530 | 1.4 | 366 | 3,610 | 1.3 | 40 | 146 | 1.1 | 606 | 13,874 | 1.6 |

¹ Acres represent the acres of land with coverage by at least one of the systems. Acres are not double counted if multiple systems exist on the same acreage.