

Irrigation water withdrawals, 2005.

[Values may not sum to totals because of independent rounding]



| State                   | Irrigated land<br>(in thousand acres) |                      |         |        | Withdrawals<br>(in million gallons per day) |                  |         | Withdrawals<br>(in thousand acre-feet per year) |                  |         | Application<br>rate<br>(in acre-feet<br>per acre) |
|-------------------------|---------------------------------------|----------------------|---------|--------|---|------------------|---------|---|------------------|---------|---|
|                         | By type of irrigation                 |                      |         | Total  | By source                                   |                  |         | By source                                       |                  |         |   |
|                         | Sprinkler                             | Micro-<br>irrigation | Surface |        | Ground-<br>water                            | Surface<br>water | Total   | Ground-<br>water                                | Surface<br>water | Total   |   |
| Alabama.....            | 132                                   | 3.25                 | 0.17    | 136    | 74.2  | 87.0             | 161     | 83.2  | 97.5             | 181     | 1.33  |
| Alaska.....             | 2.40                                  | 0                    | .07     | 2.47   | 1.03  | .02              | 1.05    | 1.15  | .02              | 1.18    | .48   |
| Arizona.....            | 213                                   | 21.0                 | 716     | 949    | 2,260                                       | 2,540            | 4,810   | 2,540   | 2,850            | 5,390   | 5.68  |
| Arkansas.....           | 482                                   | 84.8                 | 4,300   | 4,870  | 7,020                                       | 1,510            | 8,530   | 7,870   | 1,690            | 9,570   | 1.96  |
| California.....         | 1,460                                 | 2,650                | 4,940   | 9,050  | 8,620                                       | 15,700           | 24,400  | 9,660   | 17,700           | 27,300  | 3.02  |
| Colorado.....           | 1,150                                 | 3.16                 | 1,880   | 3,030  | 2,320                                       | 10,000           | 12,300  | 2,600   | 11,200           | 13,800  | 4.56  |
| Connecticut.....        | 24.2                                  | 1.82                 | 0       | 26.1   | .74   | 21.8             | 22.5    | .83   | 24.4             | 25.2    | .97   |
| Delaware.....           | 95.9                                  | 1.23                 | 0       | 97.1   | 55.3  | 9.77             | 65.1    | 62.0  | 11.0             | 73.0    | .75   |
| District of Columbia    | .32                                   | 0                    | 0       | .32    | 0   | 0                | 0       | 0   | 0                | 0       | 0   |
| Florida.....            | 447                                   | 668                  | 752     | 1,870  | 1,450                                       | 1,620            | 3,070   | 1,620   | 1,820            | 3,440   | 1.84  |
| Georgia.....            | 1,420                                 | 92.9                 | 0       | 1,510  | 486   | 265              | 752     | 545   | 297              | 843     | .56   |
| Hawaii.....             | 16.9                                  | 102                  | 0       | 119    | 23.6  | 74.2             | 97.8    | 26.5  | 83.2             | 110     | .92   |
| Idaho.....              | 2,310                                 | 4.57                 | 1,220   | 3,530  | 3,870                                       | 12,700           | 16,600  | 4,340   | 14,200           | 18,600  | 5.26  |
| Illinois.....           | 460                                   | 0                    | 0       | 460    | 479   | 24.5             | 504     | 537   | 27.5             | 565     | 1.23  |
| Indiana.....            | 313                                   | 0                    | 0       | 313    | 97.4  | 54.0             | 151     | 109   | 60.5             | 170     | .54   |
| Iowa.....               | 123                                   | 0                    | 0       | 123    | 31.6  | 1.69             | 33.3    | 35.5  | 1.89             | 37.4    | .30   |
| Kansas.....             | 2,780                                 | 13.0                 | 330     | 3,120  | 2,620                                       | 114              | 2,740   | 2,940   | 128              | 3,070   | .98   |
| Kentucky.....           | 34.5                                  | 2.18                 | 1.44    | 38.1   | .93   | 18.0             | 18.9    | 1.04  | 20.1             | 21.2    | .56   |
| Louisiana.....          | 99.3                                  | 0                    | 956     | 1,060  | 684   | 308              | 992     | 767   | 345              | 1,110   | 1.05  |
| Maine.....              | 29.9                                  | .03                  | .91     | 30.9   | 1.15  | 2.77             | 3.92    | 1.29  | 3.11             | 4.39    | .14   |
| Maryland.....           | 75.2                                  | 5.28                 | 0       | 80.5   | 34.8  | 15.0             | 49.8    | 39.0  | 16.8             | 55.8    | .69   |
| Massachusetts.....      | 21.7                                  | 1.89                 | 0       | 23.6   | 47.1  | 98.0             | 145     | 52.8  | 110              | 163     | 6.90  |
| Michigan.....           | 449                                   | 16.2                 | 1.28    | 467    | 198   | 110              | 308     | 222   | 124              | 345     | .74   |
| Minnesota.....          | 448                                   | 0                    | 19.4    | 467    | 216   | 28.4             | 244     | 242   | 31.8             | 274     | .59   |
| Mississippi.....        | 399                                   | 0                    | 1,130   | 1,530  | 1,430                                       | 131              | 1,560   | 1,600   | 147              | 1,750   | 1.14  |
| Missouri.....           | 514                                   | 1.15                 | 762     | 1,280  | 1,340                                       | 38.9             | 1,370   | 1,500   | 43.6             | 1,540   | 1.21  |
| Montana.....            | 919                                   | .64                  | 1,350   | 2,270  | 140   | 9,530            | 9,670   | 157   | 10,700           | 10,800  | 4.77  |
| Nebraska.....           | 5,870                                 | .76                  | 2,480   | 8,350  | 7,310                                       | 1,150            | 8,460   | 8,190   | 1,290            | 9,480   | 1.14  |
| Nevada.....             | 255                                   | .18                  | 320     | 575    | 670   | 828              | 1,500   | 751   | 928              | 1,680   | 2.92  |
| New Hampshire.....      | 5.49                                  | 0                    | 0       | 5.49   | .45   | 4.07             | 4.52    | .50   | 4.56             | 5.07    | .92   |
| New Jersey.....         | 109                                   | 13.7                 | 2.71    | 125    | 43.2  | 51.9             | 95.1    | 48.4  | 58.2             | 107     | .85   |
| New Mexico.....         | 408                                   | 19.1                 | 441     | 868    | 1,270                                       | 1,550            | 2,810   | 1,420   | 1,730            | 3,160   | 3.64  |
| New York.....           | 81.2                                  | 24.2                 | 0       | 105    | 20.3  | 30.8             | 51.1    | 22.8  | 34.5             | 57.2    | .54   |
| North Carolina.....     | 275                                   | 7.01                 | 0       | 282    | 77.4  | 214              | 292     | 86.8  | 240              | 327     | 1.16  |
| North Dakota.....       | 214                                   | 0                    | 45.5    | 259    | 77.8  | 73.0             | 151     | 87.3  | 81.8             | 169     | .65   |
| Ohio.....               | 70.4                                  | 0                    | 0       | 70.4   | 17.7  | 24.9             | 42.6    | 19.8  | 27.9             | 47.7    | .68   |
| Oklahoma.....           | 384                                   | 1.91                 | 86.9    | 472    | 361   | 134              | 495     | 405   | 150              | 555     | 1.17  |
| Oregon.....             | 1,010                                 | 7.85                 | 949     | 1,970  | 1,930                                       | 3,780            | 5,710   | 2,170   | 4,230            | 6,400   | 3.25  |
| Pennsylvania.....       | 67.1                                  | 16.9                 | 0       | 84.1   | 8.29  | 16.0             | 24.3    | 9.29  | 18.0             | 27.3    | .32   |
| Rhode Island.....       | 6.94                                  | 0                    | .70     | 7.64   | 5.49  | 0                | 5.49    | 6.15  | 0                | 6.15    | .81   |
| South Carolina.....     | 182                                   | 20.7                 | 5.84    | 208    | 48.1  | 43.4             | 91.6    | 54.0  | 48.7             | 103     | .49   |
| South Dakota.....       | 298                                   | 0                    | 124     | 422    | 149   | 143              | 292     | 167   | 160              | 327     | .78   |
| Tennessee.....          | 49.9                                  | 7.31                 | 5.69    | 62.9   | 33.4  | 22.0             | 55.4    | 37.5  | 24.7             | 62.1    | .99   |
| Texas.....              | 4,060                                 | 74.7                 | 2,070   | 6,210  | 6,120                                       | 1,680            | 7,800   | 6,860   | 1,890            | 8,740   | 1.41  |
| Utah.....               | 574                                   | 1.45                 | 631     | 1,210  | 389   | 3,610            | 4,000   | 436   | 4,040            | 4,480   | 3.71  |
| Vermont.....            | 4.56                                  | 0                    | 0       | 4.56   | .30   | 2.83             | 3.13    | .34   | 3.17             | 3.51    | .77   |
| Virginia.....           | 111                                   | 19.6                 | 0       | 131    | 14.7  | 33.2             | 47.9    | 16.5  | 37.2             | 53.7    | .41   |
| Washington.....         | 1,470                                 | 102                  | 268     | 1,840  | 629   | 2,890            | 3,520   | 705   | 3,240            | 3,950   | 2.14  |
| West Virginia.....      | 2.32                                  | 0                    | .99     | 3.31   | .01   | .01              | .02     | .01   | .01              | .02     | .01   |
| Wisconsin.....          | 373                                   | 0                    | 12.8    | 386    | 387   | 15.2             | 402     | 433   | 17.1             | 450     | 1.17  |
| Wyoming.....            | 180                                   | 4.03                 | 818     | 1,000  | 422   | 3,570            | 3,990   | 474   | 4,000            | 4,470   | 4.47  |
| Puerto Rico.....        | 0                                     | 54.5                 | 0       | 54.5   | 30.0  | 15.2             | 45.2    | 33.6  | 17.0             | 50.6    | .93   |
| U.S. Virgin Islands.... | 0                                     | 0                    | 0       | 0      | 0   | 0                | 0       | 0   | 0                | 0       | 0   |
| TOTAL                   | 30,500                                | 4,050                | 26,600  | 61,100 | 53,500                                      | 74,900           | 128,000 | 60,000  | 84,000           | 144,000 | 2.35  |

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Source: Kenny, J.F., Barber, N.L., Hutson, S.S., Linsey, K.S., Lovelace, J.K., and Maupin, M.A., 2009, Estimated use of water in the United States in 2005: U.S. Geological Survey Circular 1344, 52 p.