United States
Department of
Agriculture

National
Agricultural
Statistics
Service

# Crop Production
## 2013 Summary

## January 2014

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**Corn** for grain production is estimated at a record 13.9 billion bushels, down slightly from the November 1 forecast but 29 percent above 2012. The average yield in the United States is estimated at 158.8 bushels per acre. This is down 1.6 bushels from the November forecast but 35.4 bushels above the 2012 average yield of 123.4. Area harvested for grain is estimated at 87.7 million acres, up slightly from both the November forecast and 2012.

**Sorghum** grain production in 2013 is estimated at 389 million bushels, down 6 percent from the November 1 forecast but up 58 percent from 2012. Planted area is estimated at 8.06 million acres, up 29 percent from last year. Area harvested for grain, at 6.53 million acres, is up 32 percent from 2012. Average grain yield, at 59.6 bushels per acre, is down 2.6 bushels from the previous forecast but up 9.8 bushels from last year.

**Rice:** Production in 2013 is estimated 190 million cwt, up 1 percent from the previous forecast but down 5 percent from 2012. Planted area is estimated at 2.49 million acres, down 8 percent from 2012. Area harvested, at 2.47 million acres, is also down 8 percent from the previous crop year. The average yield for all United States rice is estimated at a record high 7,694 pounds per acre, up 34 pounds from the previous forecast and 245 pounds above the previous record high set last crop year.

**Soybean** production in 2013 totaled 3.29 billion bushels, up 1 percent from the November 1 forecast and up 8 percent from 2012. United States production is the third largest on record. The average yield per acre is estimated at 43.3 bushels, 0.3 bushel above the November 1 forecast and 3.5 bushels above last year's yield. Harvested area is down slightly from 2012 to 75.9 million acres and is the fourth highest on record.

**All cotton** production is estimated at 13.2 million 480-pound bales, up 1 percent from last month but down 24 percent from 2012. The United States yield is estimated at 826 pounds per acre, up 20 pounds from the December 1 forecast but down 61 pounds from last year. Harvested area, at 7.66 million acres, is down 1 percent from last month and down 18 percent from last year.

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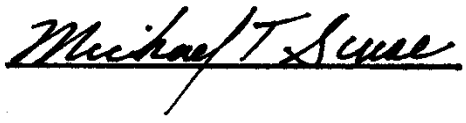
This report was approved on January 10, 2014.



Acting Secretary of
Agriculture
Michael T. Scuse

Agricultural Statistics Board
Chairperson
Hubert Hamer

## Contents

## Principal Crops Area Planted and Harvested – States and United States: 2011-2013

[Crops included are corn, sorghum, oats, barley, rye, winter wheat, Durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, cotton, dry edible beans, potatoes, canola, proso millet, and sugarbeets. Harvested acreage is used for all hay, tobacco, and sugarcane in computing total area planted. Includes double cropped acres and unharvested small grains planted as cover crops]

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 2,265 | 2,390 | 2,410 | 2,169 | 2,298 | 2,309 |
| Arizona | 791 | 785 | 745 | 785 | 776 | 733 |
| Arkansas | 7,901 | 7,948 | 7,682 | 7,639 | 7,771 | 7,560 |
| California | 4,335 | 4,361 | 4,009 | 3,857 | 3,797 | 3,508 |
| Colorado | 6,300 | 6,039 | 5,916 | 5,763 | 5,367 | 4,890 |
| Connecticut | 89 | 85 | 74 | 84 | 80 | 70 |
| Delaware | 492 | 496 | 492 | 480 | 483 | 472 |
| Florida | 1,085 | 1,204 | 1,187 | 1,057 | 1,180 | 1,163 |
| Georgia | 3,737 | 3,815 | 3,848 | 3,314 | 3,480 | 3,557 |
| Hawaii | 17 | 17 | 18 | 17 | 17 | 18 |
| Idaho | 4,371 | 4,404 | 4,502 | 4,219 | 4,260 | 4,338 |
| Illinois | 22,949 | 23,158 | 23,055 | 22,793 | 22,680 | 22,854 |
| Indiana | 12,315 | 12,395 | 12,330 | 12,237 | 12,275 | 12,270 |
| Iowa | 24,732 | 24,838 | 24,320 | 24,336 | 24,546 | 23,981 |
| Kansas | 22,995 | 23,622 | 23,474 | 20,924 | 22,320 | 21,881 |
| Kentucky | 5,798 | 6,177 | 6,567 | 5,673 | 6,027 | 6,447 |
| Louisiana | 3,528 | 3,600 | 3,563 | 3,461 | 3,559 | 3,525 |
| Maine | 262 | 264 | 269 | 251 | 256 | 260 |
| Maryland | 1,502 | 1,552 | 1,607 | 1,403 | 1,422 | 1,489 |
| Massachusetts | 95 | 89 | 104 | 90 | 86 | 101 |
| Michigan | 6,568 | 6,652 | 6,504 | 6,513 | 6,570 | 6,433 |
| Minnesota | 19,597 | 20,009 | 19,454 | 19,332 | 19,755 | 19,066 |
| Mississippi | 4,577 | 4,615 | 4,504 | 4,437 | 4,545 | 4,441 |
| Missouri | 13,771 | 14,074 | 14,624 | 13,348 | 13,725 | 14,373 |
| Montana | 8,725 | 9,192 | 9,566 | 8,489 | 8,863 | 9,135 |
| Nebraska | 19,281 | 19,551 | 19,553 | 18,933 | 18,896 | 18,756 |
| Nevada | 481 | 456 | 380 | 470 | 441 | 365 |
| New Hampshire | 68 | 66 | 64 | 67 | 65 | 63 |
| New Jersey | 320 | 331 | 312 | 313 | 322 | 304 |
| New Mexico | 1,033 | 1,024 | 975 | 612 | 604 | 555 |
| New York | 2,934 | 3,252 | 3,148 | 2,871 | 3,196 | 3,093 |
| North Carolina | 4,858 | 4,880 | 5,035 | 4,689 | 4,740 | 4,876 |
| North Dakota | 18,245 | 22,970 | 20,387 | 17,768 | 22,642 | 19,995 |
| Ohio | 10,004 | 10,173 | 10,164 | 9,911 | 10,039 | 10,083 |
| Oklahoma | 9,559 | 10,439 | 10,497 | 6,542 | 8,607 | 7,874 |
| Oregon | 2,239 | 2,132 | 2,144 | 2,200 | 2,104 | 2,099 |
| Pennsylvania | 3,729 | 3,759 | 3,651 | 3,623 | 3,661 | 3,551 |
| Rhode Island | 12 | 10 | 11 | 12 | 10 | 11 |
| South Carolina | 1,638 | 1,644 | 1,604 | 1,587 | 1,597 | 1,556 |
| South Dakota | 16,588 | 17,512 | 17,855 | 16,309 | 16,853 | 16,874 |
| Tennessee | 4,897 | 4,889 | 5,246 | 4,735 | 4,741 | 5,099 |
| Texas | 21,317 | 22,600 | 24,019 | 11,903 | 16,389 | 16,292 |
| Utah | 1,066 | 981 | 1,026 | 1,014 | 916 | 964 |
| Vermont | 265 | 276 | 272 | 257 | 266 | 265 |
| Virginia | 2,951 | 2,895 | 2,869 | 2,871 | 2,799 | 2,754 |
| Washington | 3,738 | 3,670 | 3,667 | 3,685 | 3,615 | 3,605 |
| West Virginia | 718 | 710 | 674 | 711 | 704 | 670 |
| Wisconsin | 8,026 | 8,098 | 7,951 | 7,868 | 7,889 | 7,633 |
| Wyoming | 1,546 | 1,312 | 1,420 | 1,483 | 1,229 | 1,350 |
| United States [1] | 315,143 | 326,251 | 324,795 | 293,284 | 308,649 | 303,755 |

[1] States do not add to United States due to canola, potato, and rye unallocated acreage.

## Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2011-2013

| State | Area planted for all purposes | | | Area harvested for grain | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 270 | 310 | 320 | 250 | 295 | 295 |
| Arizona | 60 | 75 | 85 | 35 | 32 | 51 |
| Arkansas | 560 | 710 | 880 | 520 | 695 | 870 |
| California | 630 | 610 | 600 | 150 | 180 | 180 |
| Colorado | 1,500 | 1,420 | 1,220 | 1,300 | 1,010 | 990 |
| Connecticut [1] | 27 | 27 | 27 | (NA) | (NA) | (NA) |
| Delaware | 190 | 185 | 180 | 182 | 178 | 174 |
| Florida | 70 | 75 | 115 | 33 | 40 | 78 |
| Georgia | 345 | 345 | 510 | 270 | 310 | 465 |
| Idaho | 350 | 360 | 350 | 120 | 135 | 120 |
| Illinois | 12,600 | 12,800 | 12,000 | 12,400 | 12,250 | 11,800 |
| Indiana | 5,900 | 6,250 | 6,000 | 5,750 | 6,030 | 5,850 |
| Iowa | 14,100 | 14,200 | 13,600 | 13,700 | 13,700 | 13,100 |
| Kansas | 4,900 | 4,700 | 4,300 | 4,200 | 3,950 | 4,000 |
| Kentucky | 1,380 | 1,650 | 1,530 | 1,300 | 1,530 | 1,430 |
| Louisiana | 580 | 540 | 680 | 570 | 530 | 670 |
| Maine [1] | 29 | 30 | 31 | (NA) | (NA) | (NA) |
| Maryland | 500 | 495 | 480 | 430 | 435 | 420 |
| Massachusetts [1] | 17 | 16 | 16 | (NA) | (NA) | (NA) |
| Michigan | 2,500 | 2,650 | 2,600 | 2,190 | 2,390 | 2,250 |
| Minnesota | 8,100 | 8,750 | 8,600 | 7,700 | 8,330 | 8,150 |
| Mississippi | 810 | 820 | 860 | 740 | 795 | 830 |
| Missouri | 3,300 | 3,600 | 3,350 | 3,070 | 3,300 | 3,200 |
| Montana | 77 | 105 | 120 | 36 | 60 | 75 |
| Nebraska | 9,850 | 10,000 | 9,950 | 9,600 | 9,100 | 9,550 |
| Nevada [1] | 8 | 8 | 7 | (NA) | (NA) | (NA) |
| New Hampshire [1] | 15 | 14 | 14 | (NA) | (NA) | (NA) |
| New Jersey | 90 | 95 | 90 | 81 | 86 | 80 |
| New Mexico | 130 | 125 | 120 | 45 | 43 | 39 |
| New York | 1,100 | 1,170 | 1,200 | 620 | 680 | 690 |
| North Carolina | 870 | 860 | 930 | 815 | 820 | 870 |
| North Dakota | 2,230 | 3,600 | 3,850 | 2,060 | 3,460 | 3,600 |
| Ohio | 3,400 | 3,900 | 3,900 | 3,220 | 3,650 | 3,740 |
| Oklahoma | 380 | 360 | 370 | 190 | 295 | 310 |
| Oregon | 83 | 85 | 80 | 51 | 52 | 36 |
| Pennsylvania | 1,420 | 1,460 | 1,480 | 960 | 1,000 | 1,090 |
| Rhode Island [1] | 2 | 1 | 2 | (NA) | (NA) | (NA) |
| South Carolina | 360 | 330 | 350 | 330 | 310 | 335 |
| South Dakota | 5,200 | 6,150 | 6,200 | 4,950 | 5,300 | 5,860 |
| Tennessee | 790 | 1,040 | 890 | 735 | 960 | 820 |
| Texas | 2,050 | 1,850 | 2,350 | 1,470 | 1,550 | 2,000 |
| Utah | 85 | 92 | 83 | 30 | 34 | 31 |
| Vermont [1] | 90 | 91 | 92 | (NA) | (NA) | (NA) |
| Virginia | 490 | 510 | 510 | 340 | 350 | 360 |
| Washington | 195 | 185 | 190 | 125 | 115 | 105 |
| West Virginia | 48 | 51 | 53 | 31 | 35 | 36 |
| Wisconsin | 4,150 | 4,350 | 4,100 | 3,320 | 3,300 | 3,050 |
| Wyoming | 105 | 105 | 100 | 70 | 60 | 68 |
| United States | 91,936 | 97,155 | 95,365 | 83,989 | 87,375 | 87,668 |

See footnote(s) at end of table.

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## Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Alabama | 114.0 | 98.0 | 148.0 | 28,500 | 28,910 | 43,660 |
| Arizona | 180.0 | 195.0 | 180.0 | 6,300 | 6,240 | 9,180 |
| Arkansas | 142.0 | 178.0 | 187.0 | 73,840 | 123,710 | 162,690 |
| California | 185.0 | 185.0 | 195.0 | 27,750 | 33,300 | 35,100 |
| Colorado | 133.0 | 133.0 | 131.0 | 172,900 | 134,330 | 129,690 |
| Connecticut [1] | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Delaware | 130.0 | 135.0 | 166.0 | 23,660 | 24,030 | 28,884 |
| Florida | 100.0 | 112.0 | 130.0 | 3,300 | 4,480 | 10,140 |
| Georgia | 158.0 | 180.0 | 175.0 | 42,660 | 55,800 | 81,375 |
| Idaho | 185.0 | 190.0 | 180.0 | 22,200 | 25,650 | 21,600 |
| Illinois | 157.0 | 105.0 | 178.0 | 1,946,800 | 1,286,250 | 2,100,400 |
| Indiana | 146.0 | 99.0 | 177.0 | 839,500 | 596,970 | 1,035,450 |
| Iowa | 172.0 | 137.0 | 165.0 | 2,356,400 | 1,876,900 | 2,161,500 |
| Kansas | 107.0 | 96.0 | 127.0 | 449,400 | 379,200 | 508,000 |
| Kentucky | 139.0 | 68.0 | 170.0 | 180,700 | 104,040 | 243,100 |
| Louisiana | 135.0 | 173.0 | 173.0 | 76,950 | 91,690 | 115,910 |
| Maine [1] | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Maryland | 109.0 | 122.0 | 158.0 | 46,870 | 53,070 | 66,360 |
| Massachusetts [1] | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Michigan | 153.0 | 133.0 | 155.0 | 335,070 | 317,870 | 348,750 |
| Minnesota | 156.0 | 165.0 | 160.0 | 1,201,200 | 1,374,450 | 1,304,000 |
| Mississippi | 128.0 | 165.0 | 176.0 | 94,720 | 131,175 | 146,080 |
| Missouri | 114.0 | 75.0 | 136.0 | 349,980 | 247,500 | 435,200 |
| Montana | 130.0 | 110.0 | 115.0 | 4,680 | 6,600 | 8,625 |
| Nebraska | 160.0 | 142.0 | 170.0 | 1,536,000 | 1,292,200 | 1,623,500 |
| Nevada [1] | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| New Hampshire [1] | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| New Jersey | 123.0 | 118.0 | 139.0 | 9,963 | 10,148 | 11,120 |
| New Mexico | 180.0 | 170.0 | 190.0 | 8,100 | 7,310 | 7,410 |
| New York | 133.0 | 134.0 | 138.0 | 82,460 | 91,120 | 95,220 |
| North Carolina | 84.0 | 117.0 | 142.0 | 68,460 | 95,940 | 123,540 |
| North Dakota | 105.0 | 122.0 | 110.0 | 216,300 | 422,120 | 396,000 |
| Ohio | 158.0 | 123.0 | 177.0 | 508,760 | 448,950 | 661,980 |
| Oklahoma | 90.0 | 110.0 | 145.0 | 17,100 | 32,450 | 44,950 |
| Oregon | 215.0 | 210.0 | 190.0 | 10,965 | 10,920 | 6,840 |
| Pennsylvania | 111.0 | 132.0 | 147.0 | 106,560 | 132,000 | 160,230 |
| Rhode Island [1] | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| South Carolina | 65.0 | 122.0 | 130.0 | 21,450 | 37,820 | 43,550 |
| South Dakota | 132.0 | 101.0 | 138.0 | 653,400 | 535,300 | 808,680 |
| Tennessee | 131.0 | 85.0 | 156.0 | 96,285 | 81,600 | 127,920 |
| Texas | 93.0 | 130.0 | 138.0 | 136,710 | 201,500 | 276,000 |
| Utah | 164.0 | 167.0 | 170.0 | 4,920 | 5,678 | 5,270 |
| Vermont [1] | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Virginia | 118.0 | 103.0 | 154.0 | 40,120 | 36,050 | 55,440 |
| Washington | 225.0 | 215.0 | 215.0 | 28,125 | 24,725 | 22,575 |
| West Virginia | 114.0 | 128.0 | 147.0 | 3,534 | 4,480 | 5,292 |
| Wisconsin | 156.0 | 121.0 | 146.0 | 517,920 | 399,300 | 445,300 |
| Wyoming | 130.0 | 142.0 | 127.0 | 9,100 | 8,520 | 8,636 |
| United States | 147.2 | 123.4 | 158.8 | 12,359,612 | 10,780,296 | 13,925,147 |

(NA) Not available.
[1] Area harvested for grain not estimated.

## Corn for Silage Area Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area harvested | | | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| Alabama | 5 | 6 | 9 | 9.0 | 12.0 | 17.0 | 45 | 72 | 153 |
| Arizona | 25 | 43 | 33 | 30.0 | 28.0 | 30.0 | 750 | 1,204 | 990 |
| Arkansas | 4 | 3 | 2 | 6.0 | 7.0 | 18.0 | 24 | 21 | 36 |
| California | 475 | 425 | 415 | 26.0 | 26.5 | 26.5 | 12,350 | 11,263 | 10,998 |
| Colorado | 105 | 160 | 100 | 23.0 | 20.0 | 23.0 | 2,415 | 3,200 | 2,300 |
| Connecticut | 22 | 22 | 23 | 16.0 | 20.0 | 19.0 | 352 | 440 | 437 |
| Delaware | 6 | 5 | 5 | 14.0 | 17.0 | 17.0 | 84 | 85 | 85 |
| Florida | 32 | 33 | 35 | 18.0 | 20.0 | 18.0 | 576 | 660 | 630 |
| Georgia | 50 | 30 | 35 | 19.0 | 21.0 | 20.0 | 950 | 630 | 700 |
| Idaho | 225 | 220 | 225 | 27.5 | 27.0 | 26.0 | 6,188 | 5,940 | 5,850 |
| Illinois | 130 | 220 | 90 | 21.0 | 9.0 | 19.0 | 2,730 | 1,980 | 1,710 |
| Indiana | 120 | 170 | 140 | 20.0 | 12.5 | 23.0 | 2,400 | 2,125 | 3,220 |
| Iowa | 200 | 325 | 390 | 20.5 | 15.0 | 19.0 | 4,100 | 4,875 | 7,410 |
| Kansas | 350 | 450 | 150 | 11.0 | 9.0 | 13.0 | 3,850 | 4,050 | 1,950 |
| Kentucky | 65 | 90 | 80 | 19.5 | 12.5 | 21.0 | 1,268 | 1,125 | 1,680 |
| Louisiana | 3 | 5 | 3 | 12.0 | 15.0 | 18.0 | 36 | 75 | 54 |
| Maine | 25 | 25 | 27 | 17.5 | 16.0 | 17.5 | 438 | 400 | 473 |
| Maryland | 60 | 55 | 55 | 16.0 | 19.0 | 21.0 | 960 | 1,045 | 1,155 |
| Massachusetts | 13 | 13 | 13 | 18.0 | 19.0 | 18.0 | 234 | 247 | 234 |
| Michigan | 300 | 240 | 340 | 18.0 | 15.0 | 17.5 | 5,400 | 3,600 | 5,950 |
| Minnesota | 350 | 350 | 380 | 18.0 | 19.0 | 16.5 | 6,300 | 6,650 | 6,270 |
| Mississippi | 15 | 10 | 10 | 11.0 | 14.0 | 16.0 | 165 | 140 | 160 |
| Missouri | 90 | 220 | 80 | 10.0 | 8.0 | 14.0 | 900 | 1,760 | 1,120 |
| Montana | 38 | 42 | 41 | 21.0 | 20.0 | 23.0 | 798 | 840 | 943 |
| Nebraska | 160 | 550 | 260 | 18.0 | 8.0 | 16.0 | 2,880 | 4,400 | 4,160 |
| Nevada | 8 | 6 | 6 | 25.0 | 26.0 | 24.0 | 200 | 156 | 144 |
| New Hampshire | 14 | 13 | 13 | 20.5 | 20.0 | 20.0 | 287 | 260 | 260 |
| New Jersey | 8 | 8 | 9 | 17.5 | 13.0 | 20.0 | 140 | 104 | 180 |
| New Mexico | 81 | 80 | 79 | 24.0 | 25.0 | 25.0 | 1,944 | 2,000 | 1,975 |
| New York | 470 | 475 | 500 | 16.0 | 17.0 | 17.0 | 7,520 | 8,075 | 8,500 |
| North Carolina | 35 | 30 | 45 | 18.0 | 17.0 | 17.0 | 630 | 510 | 765 |
| North Dakota | 150 | 100 | 140 | 15.0 | 13.5 | 12.0 | 2,250 | 1,350 | 1,680 |
| Ohio | 140 | 200 | 150 | 18.0 | 16.0 | 19.5 | 2,520 | 3,200 | 2,925 |
| Oklahoma | 55 | 45 | 37 | 6.5 | 15.5 | 21.0 | 358 | 698 | 777 |
| Oregon | 31 | 32 | 43 | 28.0 | 27.0 | 27.0 | 868 | 864 | 1,161 |
| Pennsylvania | 420 | 440 | 380 | 15.5 | 18.0 | 20.5 | 6,510 | 7,920 | 7,790 |
| Rhode Island | 2 | 1 | 2 | 16.0 | 20.0 | 20.5 | 32 | 20 | 41 |
| South Carolina | 14 | 15 | 10 | 12.0 | 15.0 | 18.0 | 168 | 225 | 180 |
| South Dakota | 200 | 600 | 280 | 15.5 | 8.0 | 13.0 | 3,100 | 4,800 | 3,640 |
| Tennessee | 38 | 45 | 50 | 17.0 | 12.0 | 19.0 | 646 | 540 | 950 |
| Texas | 220 | 190 | 200 | 12.0 | 19.0 | 19.0 | 2,640 | 3,610 | 3,800 |
| Utah | 54 | 56 | 49 | 25.0 | 22.0 | 23.0 | 1,350 | 1,232 | 1,127 |
| Vermont | 82 | 81 | 85 | 15.0 | 19.0 | 15.0 | 1,230 | 1,539 | 1,275 |
| Virginia | 130 | 150 | 125 | 16.5 | 17.0 | 20.0 | 2,145 | 2,550 | 2,500 |
| Washington | 70 | 70 | 85 | 27.0 | 25.0 | 27.0 | 1,890 | 1,750 | 2,295 |
| West Virginia | 15 | 15 | 16 | 15.0 | 16.0 | 19.0 | 225 | 240 | 304 |
| Wisconsin | 805 | 980 | 980 | 19.5 | 14.5 | 16.5 | 15,698 | 14,210 | 16,170 |
| Wyoming | 25 | 35 | 31 | 22.0 | 22.0 | 24.0 | 550 | 770 | 744 |
| United States | 5,935 | 7,379 | 6,256 | 18.4 | 15.4 | 18.8 | 109,094 | 113,450 | 117,851 |

## Corn for Grain Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in 10 corn producing States during 2013. Randomly selected plots in corn for grain fields were visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are rounded actual field counts from this survey.

### Corn for Grain Plant Population per Acre – Selected States: 2009-2013

| State and month | 2009 | 2010 | 2011 | 2012 | 2013 | State and month | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | (number) | (number) | (number) | (number) | (number) | | (number) | (number) | (number) | (number) | (number) |
| **Illinois** | | | | | | **Nebraska** | | | | | |
| September | 29,650 | 29,750 | 30,450 | 29,700 | 30,700 | All corn | | | | | |
| October | 29,550 | 29,600 | 30,450 | 29,750 | (NA) | September | 25,700 | 25,700 | 25,400 | 26,150 | 26,000 |
| November | 29,600 | 29,650 | 30,400 | 29,750 | 30,850 | October | 25,700 | 25,600 | 25,400 | 26,150 | (NA) |
| Final | 29,550 | 29,650 | 30,450 | 29,800 | 30,850 | November | 25,700 | 25,550 | 25,450 | 26,150 | 26,100 |
| | | | | | | Final | 25,750 | 25,550 | 25,450 | 26,150 | 26,100 |
| **Indiana** | | | | | | | | | | | |
| September | 28,350 | 28,300 | 29,200 | 29,250 | 30,250 | Irrigated | | | | | |
| October | 28,400 | 28,350 | 29,200 | 29,200 | (NA) | September | 28,250 | 27,750 | 28,150 | 29,100 | 29,150 |
| November | 28,350 | 28,350 | 29,150 | 29,200 | 30,400 | October | 28,250 | 27,600 | 28,200 | 29,000 | (NA) |
| Final | 28,350 | 28,350 | 29,150 | 29,200 | 30,450 | November | 28,250 | 27,600 | 28,250 | 29,000 | 29,300 |
| | | | | | | Final | 28,300 | 27,600 | 28,250 | 29,000 | 29,250 |
| **Iowa** | | | | | | | | | | | |
| September | 29,500 | 30,050 | 30,850 | 30,150 | 30,250 | Non-irrigated | | | | | |
| October | 29,450 | 30,000 | 30,750 | 30,100 | (NA) | September | 21,750 | 22,350 | 21,250 | 21,600 | 21,000 |
| November | 29,400 | 29,950 | 30,750 | 30,100 | 30,000 | October | 21,700 | 22,350 | 21,200 | 21,850 | (NA) |
| Final | 29,400 | 29,950 | 30,750 | 30,100 | 30,050 | November | 21,700 | 22,300 | 21,200 | 21,850 | 21,050 |
| | | | | | | Final | 21,700 | 22,300 | 21,200 | 21,850 | 21,050 |
| **Kansas** | | | | | | | | | | | |
| September | 22,650 | 21,850 | 21,500 | 23,050 | 22,900 | **Ohio** | | | | | |
| October | 22,600 | 21,950 | 21,550 | 23,200 | (NA) | September | 28,300 | 28,400 | 29,550 | 29,200 | 28,800 |
| November | 22,600 | 21,950 | 21,500 | 23,200 | 22,850 | October | 28,450 | 28,200 | 29,350 | 29,100 | (NA) |
| Final | 22,600 | 21,950 | 21,500 | 23,200 | 22,850 | November | 28,200 | 28,200 | 29,350 | 29,100 | 28,700 |
| | | | | | | Final | 28,200 | 28,200 | 29,350 | 29,100 | 28,650 |
| **Minnesota** | | | | | | | | | | | |
| September | 30,800 | 29,850 | 30,250 | 30,000 | 31,350 | **South Dakota** | | | | | |
| October | 30,600 | 29,750 | 30,200 | 30,000 | (NA) | September | 24,300 | 24,550 | 25,300 | 24,200 | 25,300 |
| November | 30,600 | 29,900 | 30,250 | 30,000 | 30,950 | October | 24,250 | 24,450 | 25,250 | 23,900 | (NA) |
| Final | 30,600 | 29,900 | 30,250 | 30,000 | 30,950 | November | 24,300 | 24,350 | 25,500 | 24,000 | 25,100 |
| | | | | | | Final | 24,300 | 24,350 | 25,500 | 24,000 | 25,100 |
| **Missouri** | | | | | | | | | | | |
| September | 25,700 | 25,700 | 25,850 | 26,650 | 27,700 | **Wisconsin** | | | | | |
| October | 25,500 | 25,500 | 25,800 | 26,550 | (NA) | September | 28,150 | 28,600 | 29,000 | 29,000 | 29,050 |
| November | 25,500 | 25,500 | 25,800 | 26,550 | 27,800 | October | 28,150 | 28,300 | 28,900 | 28,550 | (NA) |
| Final | 25,500 | 25,500 | 25,800 | 26,550 | 27,850 | November | 27,700 | 28,300 | 28,950 | 28,600 | 29,150 |
| | | | | | | Final | 27,650 | 28,300 | 28,950 | 28,600 | 29,150 |

(NA) Not available.

## Corn for Grain Number of Ears per Acre – Selected States: 2009-2013

| State and month | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| | (number) | (number) | (number) | (number) | (number) |
| **Illinois** | | | | | |
| September | 29,150 | 28,650 | 29,650 | 24,000 | 29,900 |
| October | 28,900 | 28,500 | 29,550 | 24,250 | (NA) |
| November | 28,900 | 28,550 | 29,550 | 24,250 | 30,150 |
| Final | 28,900 | 28,550 | 29,600 | 24,300 | 30,150 |
| **Indiana** | | | | | |
| September | 27,950 | 27,900 | 27,950 | 26,500 | 29,850 |
| October | 28,100 | 27,750 | 27,800 | 26,150 | (NA) |
| November | 28,000 | 27,750 | 27,750 | 26,150 | 29,750 |
| Final | 27,950 | 27,750 | 27,750 | 26,150 | 29,850 |
| **Iowa** | | | | | |
| September | 29,250 | 29,450 | 30,100 | 28,250 | 29,700 |
| October | 29,200 | 29,450 | 30,050 | 28,150 | (NA) |
| November | 29,200 | 29,300 | 30,050 | 28,150 | 29,500 |
| Final | 29,200 | 29,300 | 30,050 | 28,150 | 29,550 |
| **Kansas** | | | | | |
| September | 22,750 | 21,250 | 20,900 | 20,350 | 22,500 |
| October | 22,650 | 21,250 | 20,650 | 20,550 | (NA) |
| November | 22,750 | 21,250 | 20,650 | 20,550 | 22,200 |
| Final | 22,700 | 21,250 | 20,650 | 20,550 | 22,200 |
| **Minnesota** | | | | | |
| September | 30,250 | 29,750 | 29,750 | 29,450 | 30,750 |
| October | 30,750 | 29,600 | 29,300 | 29,400 | (NA) |
| November | 30,800 | 29,700 | 29,350 | 29,400 | 30,850 |
| Final | 30,800 | 29,700 | 29,350 | 29,400 | 30,850 |
| **Missouri** | | | | | |
| September | 24,800 | 25,100 | 24,600 | 23,050 | 26,950 |
| October | 24,800 | 24,750 | 24,650 | 22,900 | (NA) |
| November | 24,800 | 24,700 | 24,550 | 22,900 | 27,050 |
| Final | 24,800 | 24,700 | 24,550 | 22,900 | 27,100 |

| State and month | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| | (number) | (number) | (number) | (number) | (number) |
| **Nebraska** | | | | | |
| All corn | | | | | |
| September | 25,650 | 25,250 | 24,500 | 24,500 | 26,050 |
| October | 25,650 | 25,250 | 24,350 | 24,050 | (NA) |
| November | 25,600 | 25,100 | 24,350 | 24,050 | 25,700 |
| Final | 25,650 | 25,100 | 24,350 | 24,050 | 25,700 |
| Irrigated | | | | | |
| September | 27,900 | 27,100 | 26,950 | 28,600 | 29,150 |
| October | 27,950 | 27,100 | 26,800 | 28,300 | (NA) |
| November | 27,900 | 26,950 | 26,800 | 28,300 | 28,700 |
| Final | 27,950 | 26,950 | 26,800 | 28,300 | 28,700 |
| Non-irrigated | | | | | |
| September | 22,100 | 22,350 | 20,800 | 18,250 | 21,200 |
| October | 22,050 | 22,250 | 20,650 | 17,600 | (NA) |
| November | 22,000 | 22,200 | 20,650 | 17,550 | 20,950 |
| Final | 22,000 | 22,200 | 20,650 | 17,550 | 20,950 |
| **Ohio** | | | | | |
| September | 27,700 | 27,700 | 28,700 | 27,700 | 28,350 |
| October | 27,950 | 27,650 | 28,950 | 27,150 | (NA) |
| November | 27,650 | 27,650 | 29,150 | 27,100 | 28,200 |
| Final | 27,650 | 27,650 | 29,150 | 27,100 | 28,300 |
| **South Dakota** | | | | | |
| September | 26,150 | 24,850 | 25,800 | 22,150 | 25,600 |
| October | 26,050 | 24,800 | 25,150 | 21,550 | (NA) |
| November | 26,050 | 24,450 | 25,250 | 21,550 | 25,300 |
| Final | 26,050 | 24,450 | 25,250 | 21,550 | 25,300 |
| **Wisconsin** | | | | | |
| September | 27,500 | 28,700 | 28,650 | 27,650 | 28,900 |
| October | 28,850 | 28,500 | 28,650 | 27,300 | (NA) |
| November | 28,150 | 28,550 | 28,650 | 27,100 | 28,900 |
| Final | 28,100 | 28,550 | 28,650 | 27,150 | 28,850 |

(NA) Not available.

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## Sorghum Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2011-2013

| State | Area planted for all purposes | | | Area harvested for grain | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Arizona | 22 | 31 | 33 | 6 | 10 | 17 |
| Arkansas | 100 | 140 | 130 | 90 | 135 | 125 |
| Colorado | 220 | 245 | 400 | 140 | 150 | 240 |
| Georgia | 50 | 55 | 55 | 35 | 40 | 40 |
| Illinois | 22 | 30 | 23 | 20 | 27 | 20 |
| Kansas | 2,600 | 2,500 | 3,100 | 2,000 | 2,100 | 2,800 |
| Louisiana | 130 | 125 | 115 | 124 | 123 | 113 |
| Mississippi | 52 | 48 | 65 | 50 | 46 | 62 |
| Missouri | 40 | 65 | 70 | 33 | 55 | 60 |
| Nebraska | 150 | 145 | 285 | 70 | 60 | 140 |
| New Mexico | 95 | 90 | 125 | 21 | 19 | 68 |
| Oklahoma | 300 | 270 | 320 | 80 | 150 | 270 |
| South Dakota | 150 | 200 | 340 | 110 | 140 | 275 |
| Texas | 1,550 | 2,300 | 3,000 | 1,150 | 1,900 | 2,300 |
| United States | 5,481 | 6,244 | 8,061 | 3,929 | 4,955 | 6,530 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Arizona | 100.0 | 115.0 | 75.0 | 600 | 1,150 | 1,275 |
| Arkansas | 72.0 | 84.0 | 102.0 | 6,480 | 11,340 | 12,750 |
| Colorado | 35.0 | 20.0 | 24.0 | 4,900 | 3,000 | 5,760 |
| Georgia | 35.0 | 55.0 | 50.0 | 1,225 | 2,200 | 2,000 |
| Illinois | 91.0 | 60.0 | 94.0 | 1,820 | 1,620 | 1,880 |
| Kansas | 55.0 | 39.0 | 59.0 | 110,000 | 81,900 | 165,200 |
| Louisiana | 87.0 | 100.0 | 107.0 | 10,788 | 12,300 | 12,091 |
| Mississippi | 74.0 | 84.0 | 94.0 | 3,700 | 3,864 | 5,828 |
| Missouri | 72.0 | 58.0 | 82.0 | 2,376 | 3,190 | 4,920 |
| Nebraska | 94.0 | 59.0 | 67.0 | 6,580 | 3,540 | 9,380 |
| New Mexico | 64.0 | 42.0 | 34.0 | 1,344 | 798 | 2,312 |
| Oklahoma | 21.0 | 27.0 | 55.0 | 1,680 | 4,050 | 14,850 |
| South Dakota | 60.0 | 42.0 | 80.0 | 6,600 | 5,880 | 22,000 |
| Texas | 49.0 | 59.0 | 56.0 | 56,350 | 112,100 | 128,800 |
| United States | 54.6 | 49.8 | 59.6 | 214,443 | 246,932 | 389,046 |

## Sorghum for Silage Area Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area harvested | | | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| Arizona | 15 | 20 | 15 | 22.0 | 25.0 | 22.0 | 330 | 500 | 330 |
| Arkansas | 1 | 1 | 1 | 10.0 | 9.0 | 17.0 | 10 | 9 | 17 |
| Colorado | 14 | 20 | 30 | 13.0 | 7.0 | 13.0 | 182 | 140 | 390 |
| Georgia | 13 | 10 | 10 | 13.0 | 15.0 | 10.0 | 169 | 150 | 100 |
| Illinois | 1 | 1 | 2 | 11.0 | 9.0 | 16.0 | 11 | 9 | 32 |
| Kansas | 85 | 75 | 110 | 7.0 | 6.0 | 14.0 | 595 | 450 | 1,540 |
| Louisiana | 1 | 1 | 1 | 11.0 | 13.0 | 14.0 | 11 | 13 | 14 |
| Mississippi | 1 | 1 | 2 | 11.0 | 14.0 | 14.0 | 11 | 14 | 28 |
| Missouri | 5 | 6 | 8 | 11.0 | 8.0 | 17.0 | 55 | 48 | 136 |
| Nebraska | 10 | 11 | 30 | 13.0 | 10.0 | 10.0 | 130 | 110 | 300 |
| New Mexico | 11 | 21 | 16 | 14.0 | 16.0 | 13.0 | 154 | 336 | 208 |
| Oklahoma | 12 | 16 | 10 | 5.0 | 6.0 | 20.0 | 60 | 96 | 200 |
| South Dakota | 15 | 20 | 25 | 12.0 | 9.0 | 13.0 | 180 | 180 | 325 |
| Texas | 40 | 160 | 120 | 10.0 | 13.0 | 15.0 | 400 | 2,080 | 1,800 |
| United States | 224 | 363 | 380 | 10.3 | 11.4 | 14.3 | 2,298 | 4,135 | 5,420 |

## Oat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted [1] | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 45 | 60 | 60 | 15 | 15 | 20 |
| Arkansas | 15 | 12 | 11 | 10 | 7 | 7 |
| California | 200 | 230 | 180 | 15 | 25 | 20 |
| Colorado | 45 | 55 | 55 | 10 | 6 | 12 |
| Georgia | 60 | 60 | 50 | 25 | 20 | 18 |
| Idaho | 70 | 70 | 70 | 15 | 15 | 15 |
| Illinois | 30 | 30 | 40 | 20 | 20 | 25 |
| Indiana | 15 | 15 | 20 | 7 | 5 | 10 |
| Iowa | 120 | 130 | 220 | 50 | 58 | 60 |
| Kansas | 60 | 105 | 100 | 25 | 30 | 20 |
| Maine | 28 | 29 | 28 | 26 | 28 | 27 |
| Michigan | 40 | 50 | 50 | 30 | 35 | 35 |
| Minnesota | 180 | 190 | 240 | 110 | 135 | 105 |
| Missouri | 15 | 20 | 30 | 8 | 8 | 14 |
| Montana | 45 | 45 | 50 | 20 | 18 | 22 |
| Nebraska | 60 | 75 | 150 | 20 | 18 | 25 |
| New York | 55 | 70 | 75 | 34 | 50 | 46 |
| North Carolina | 45 | 40 | 35 | 20 | 13 | 13 |
| North Dakota | 170 | 200 | 225 | 85 | 110 | 135 |
| Ohio | 50 | 70 | 50 | 38 | 46 | 25 |
| Oklahoma | 35 | 75 | 60 | 5 | 10 | 7 |
| Oregon | 35 | 35 | 30 | 12 | 19 | 13 |
| Pennsylvania | 90 | 100 | 95 | 60 | 65 | 50 |
| South Carolina | 22 | 28 | 20 | 13 | 15 | 9 |
| South Dakota | 120 | 160 | 260 | 70 | 50 | 120 |
| Texas | 550 | 500 | 450 | 60 | 75 | 50 |
| Utah | 35 | 30 | 40 | 4 | 3 | 5 |
| Virginia | 11 | 11 | 10 | 3 | 4 | 2 |
| Washington | 10 | 15 | 20 | 3 | 6 | 5 |
| Wisconsin | 210 | 220 | 255 | 115 | 130 | 105 |
| Wyoming | 30 | 30 | 31 | 11 | 6 | 10 |
| United States | 2,496 | 2,760 | 3,010 | 939 | 1,045 | 1,030 |

See footnote(s) at end of table.

--continued

## Oat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Alabama | 60.0 | 55.0 | 60.0 | 900 | 825 | 1,200 |
| Arkansas | 90.0 | 80.0 | 73.0 | 900 | 560 | 511 |
| California | 100.0 | 90.0 | 80.0 | 1,500 | 2,250 | 1,600 |
| Colorado | 70.0 | 70.0 | 65.0 | 700 | 420 | 780 |
| Georgia | 62.0 | 53.0 | 60.0 | 1,550 | 1,060 | 1,080 |
| Idaho | 70.0 | 65.0 | 73.0 | 1,050 | 975 | 1,095 |
| Illinois | 68.0 | 76.0 | 69.0 | 1,360 | 1,520 | 1,725 |
| Indiana | 61.0 | 70.0 | 71.0 | 427 | 350 | 710 |
| Iowa | 65.0 | 65.0 | 66.0 | 3,250 | 3,770 | 3,960 |
| Kansas | 38.0 | 33.0 | 42.0 | 950 | 990 | 840 |
| Maine | 45.0 | 65.0 | 67.0 | 1,170 | 1,820 | 1,809 |
| Michigan | 64.0 | 60.0 | 62.0 | 1,920 | 2,100 | 2,170 |
| Minnesota | 54.0 | 62.0 | 57.0 | 5,940 | 8,370 | 5,985 |
| Missouri | 49.0 | 52.0 | 53.0 | 392 | 416 | 742 |
| Montana | 50.0 | 45.0 | 54.0 | 1,000 | 810 | 1,188 |
| Nebraska | 65.0 | 57.0 | 65.0 | 1,300 | 1,026 | 1,625 |
| New York | 50.0 | 65.0 | 67.0 | 1,700 | 3,250 | 3,082 |
| North Carolina | 80.0 | 75.0 | 70.0 | 1,600 | 975 | 910 |
| North Dakota | 52.0 | 62.0 | 62.0 | 4,420 | 6,820 | 8,370 |
| Ohio | 54.0 | 56.0 | 63.0 | 2,052 | 2,576 | 1,575 |
| Oklahoma | 40.0 | 45.0 | 38.0 | 200 | 450 | 266 |
| Oregon | 100.0 | 95.0 | 100.0 | 1,200 | 1,805 | 1,300 |
| Pennsylvania | 46.0 | 61.0 | 62.0 | 2,760 | 3,965 | 3,100 |
| South Carolina | 60.0 | 54.0 | 59.0 | 780 | 810 | 531 |
| South Dakota | 59.0 | 68.0 | 77.0 | 4,130 | 3,400 | 9,240 |
| Texas | 35.0 | 49.0 | 46.0 | 2,100 | 3,675 | 2,300 |
| Utah | 81.0 | 76.0 | 62.0 | 324 | 228 | 310 |
| Virginia | 65.0 | 75.0 | 70.0 | 195 | 300 | 140 |
| Washington | 59.0 | 82.0 | 68.0 | 177 | 492 | 340 |
| Wisconsin | 62.0 | 60.0 | 65.0 | 7,130 | 7,800 | 6,825 |
| Wyoming | 52.0 | 36.0 | 57.0 | 572 | 216 | 570 |
| United States | 57.1 | 61.3 | 64.0 | 53,649 | 64,024 | 65,879 |

[1] Includes area planted in preceding fall.

## Barley Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted [1] | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Arizona | 65 | 48 | 75 | 64 | 47 | 69 |
| California | 100 | 120 | 90 | 75 | 80 | 40 |
| Colorado | 66 | 58 | 63 | 63 | 55 | 58 |
| Delaware | 35 | 38 | 43 | 32 | 34 | 33 |
| Idaho | 520 | 610 | 630 | 500 | 590 | 600 |
| Kansas | 9 | 10 | 17 | 6 | 7 | 11 |
| Maine | 16 | 17 | 20 | 14 | 16 | 17 |
| Maryland | 50 | 60 | 75 | 36 | 40 | 52 |
| Michigan | 10 | 11 | 10 | 8 | 9 | 9 |
| Minnesota | 70 | 115 | 90 | 60 | 100 | 75 |
| Montana | 700 | 900 | 990 | 620 | 790 | 830 |
| New York | 10 | 10 | 11 | 9 | 8 | 8 |
| North Carolina | 22 | 23 | 19 | 14 | 17 | 14 |
| North Dakota | 400 | 1,060 | 760 | 350 | 1,010 | 720 |
| Oregon | 38 | 56 | 63 | 32 | 53 | 50 |
| Pennsylvania | 65 | 65 | 75 | 55 | 53 | 60 |
| South Dakota | 25 | 34 | 34 | 16 | 22 | 18 |
| Utah | 35 | 44 | 40 | 22 | 26 | 30 |
| Virginia | 90 | 65 | 67 | 70 | 37 | 41 |
| Washington | 125 | 185 | 195 | 115 | 175 | 185 |
| Wisconsin | 33 | 33 | 33 | 15 | 15 | 16 |
| Wyoming | 75 | 75 | 80 | 63 | 60 | 64 |
| United States | 2,559 | 3,637 | 3,480 | 2,239 | 3,244 | 3,000 |

See footnote(s) at end of table.

--continued

## Barley: Yield and Production, by State and United States, 2011-2013

| State | Yield | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Arizona | 125.0 | 105.0 | 118.0 | 8,000 | 4,935 | 8,142 |
| California | 63.0 | 55.0 | 75.0 | 4,725 | 4,400 | 3,000 |
| Colorado | 126.0 | 123.0 | 133.0 | 7,938 | 6,765 | 7,714 |
| Delaware | 88.0 | 84.0 | 78.0 | 2,816 | 2,856 | 2,574 |
| Idaho | 93.0 | 91.0 | 93.0 | 46,500 | 53,690 | 55,800 |
| Kansas | 29.0 | 59.0 | 48.0 | 174 | 413 | 528 |
| Maine | 35.0 | 60.0 | 53.0 | 490 | 960 | 901 |
| Maryland | 80.0 | 82.0 | 85.0 | 2,880 | 3,280 | 4,420 |
| Michigan | 48.0 | 48.0 | 52.0 | 384 | 432 | 468 |
| Minnesota | 51.0 | 57.0 | 69.0 | 3,060 | 5,700 | 5,175 |
| Montana | 50.0 | 53.0 | 54.0 | 31,000 | 41,870 | 44,820 |
| New York | 46.0 | 47.0 | 52.0 | 414 | 376 | 416 |
| North Carolina | 81.0 | 63.0 | 67.0 | 1,134 | 1,071 | 938 |
| North Dakota | 47.0 | 61.0 | 64.0 | 16,450 | 61,610 | 46,080 |
| Oregon | 75.0 | 72.0 | 70.0 | 2,400 | 3,816 | 3,500 |
| Pennsylvania | 65.0 | 68.0 | 68.0 | 3,575 | 3,604 | 4,080 |
| South Dakota | 33.0 | 36.0 | 55.0 | 528 | 792 | 990 |
| Utah | 83.0 | 80.0 | 79.0 | 1,826 | 2,080 | 2,370 |
| Virginia | 88.0 | 82.0 | 82.0 | 6,160 | 3,034 | 3,362 |
| Washington | 74.0 | 72.0 | 72.0 | 8,510 | 12,600 | 13,320 |
| Wisconsin | 47.0 | 44.0 | 49.0 | 705 | 660 | 784 |
| Wyoming | 97.0 | 89.0 | 89.0 | 6,111 | 5,340 | 5,696 |
| United States | 69.6 | 67.9 | 71.7 | 155,780 | 220,284 | 215,078 |

[1] Includes area planted in preceding fall.

## All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted [1] | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 220 | 220 | 300 | 195 | 190 | 270 |
| Arizona | 87 | 115 | 92 | 85 | 112 | 89 |
| Arkansas | 620 | 550 | 680 | 520 | 450 | 615 |
| California | 790 | 750 | 685 | 535 | 445 | 407 |
| Colorado | 2,345 | 2,363 | 2,310 | 2,044 | 2,182 | 1,649 |
| Delaware | 80 | 85 | 85 | 75 | 80 | 78 |
| Florida | 12 | 20 | 25 | 8 | 15 | 19 |
| Georgia | 250 | 290 | 420 | 200 | 230 | 350 |
| Idaho | 1,471 | 1,313 | 1,311 | 1,401 | 1,253 | 1,241 |
| Illinois | 800 | 660 | 875 | 765 | 645 | 830 |
| Indiana | 430 | 350 | 470 | 400 | 300 | 440 |
| Iowa | 22 | 18 | 30 | 16 | 13 | 21 |
| Kansas | 8,800 | 9,400 | 9,500 | 7,900 | 9,000 | 8,400 |
| Kentucky | 540 | 580 | 700 | 440 | 470 | 610 |
| Louisiana | 240 | 285 | 260 | 235 | 275 | 250 |
| Maryland | 260 | 310 | 345 | 190 | 210 | 260 |
| Michigan | 700 | 570 | 630 | 680 | 540 | 600 |
| Minnesota | 1,580 | 1,390 | 1,230 | 1,526 | 1,347 | 1,187 |
| Mississippi | 360 | 370 | 400 | 335 | 345 | 385 |
| Missouri | 790 | 790 | 1,100 | 680 | 690 | 1,000 |
| Montana | 5,100 | 5,800 | 5,455 | 4,975 | 5,615 | 5,220 |
| Nebraska | 1,520 | 1,380 | 1,470 | 1,450 | 1,300 | 1,130 |
| Nevada | 23 | 26 | 28 | 12 | 13 | 14 |
| New Jersey | 35 | 33 | 34 | 31 | 27 | 29 |
| New Mexico | 435 | 450 | 440 | 95 | 90 | 70 |
| New York | 120 | 100 | 125 | 93 | 85 | 115 |
| North Carolina | 700 | 830 | 990 | 610 | 750 | 920 |
| North Dakota | 6,800 | 7,840 | 6,115 | 6,590 | 7,760 | 6,035 |
| Ohio | 880 | 500 | 690 | 850 | 450 | 665 |
| Oklahoma | 5,100 | 5,400 | 5,600 | 3,200 | 4,300 | 3,400 |
| Oregon | 990 | 885 | 880 | 982 | 878 | 868 |
| Pennsylvania | 185 | 165 | 185 | 170 | 145 | 160 |
| South Carolina | 190 | 235 | 270 | 180 | 220 | 255 |
| South Dakota | 2,908 | 2,405 | 2,494 | 2,817 | 2,235 | 1,839 |
| Tennessee | 420 | 420 | 610 | 310 | 340 | 540 |
| Texas | 5,300 | 5,700 | 6,200 | 1,900 | 3,000 | 2,250 |
| Utah | 151 | 155 | 138 | 144 | 137 | 124 |
| Virginia | 270 | 280 | 320 | 250 | 240 | 275 |
| Washington | 2,380 | 2,210 | 2,190 | 2,345 | 2,175 | 2,155 |
| West Virginia | 10 | 8 | 9 | 6 | 4 | 7 |
| Wisconsin | 345 | 265 | 315 | 335 | 245 | 265 |
| Wyoming | 150 | 150 | 150 | 130 | 120 | 120 |
| United States | 54,409 | 55,666 | 56,156 | 45,705 | 48,921 | 45,157 |

See footnote(s) at end of table.

--continued

## All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Alabama | 73.0 | 59.0 | 69.0 | 14,235 | 11,210 | 18,630 |
| Arizona | 98.8 | 93.9 | 99.5 | 8,399 | 10,520 | 8,858 |
| Arkansas | 58.0 | 55.0 | 62.0 | 30,160 | 24,750 | 38,130 |
| California | 90.2 | 91.1 | 83.3 | 48,235 | 40,525 | 33,900 |
| Colorado | 40.0 | 34.3 | 27.3 | 81,828 | 74,848 | 45,018 |
| Delaware | 69.0 | 74.0 | 68.0 | 5,175 | 5,920 | 5,304 |
| Florida | 45.0 | 41.0 | 59.0 | 360 | 615 | 1,121 |
| Georgia | 55.0 | 49.0 | 60.0 | 11,000 | 11,270 | 21,000 |
| Idaho | 82.8 | 78.2 | 82.1 | 115,979 | 98,006 | 101,872 |
| Illinois | 61.0 | 63.0 | 67.0 | 46,665 | 40,635 | 55,610 |
| Indiana | 62.0 | 67.0 | 73.0 | 24,800 | 20,100 | 32,120 |
| Iowa | 45.0 | 53.0 | 52.0 | 720 | 689 | 1,092 |
| Kansas | 35.0 | 42.0 | 38.0 | 276,500 | 378,000 | 319,200 |
| Kentucky | 70.0 | 62.0 | 75.0 | 30,800 | 29,140 | 45,750 |
| Louisiana | 63.0 | 49.0 | 58.0 | 14,805 | 13,475 | 14,500 |
| Maryland | 66.0 | 68.0 | 67.0 | 12,540 | 14,280 | 17,420 |
| Michigan | 75.0 | 76.0 | 75.0 | 51,000 | 41,040 | 45,000 |
| Minnesota | 46.2 | 56.9 | 56.7 | 70,456 | 76,705 | 67,281 |
| Mississippi | 64.0 | 57.0 | 58.0 | 21,440 | 19,665 | 22,330 |
| Missouri | 50.0 | 57.0 | 56.0 | 34,000 | 39,330 | 56,000 |
| Montana | 35.2 | 34.8 | 38.9 | 174,970 | 195,590 | 203,070 |
| Nebraska | 45.0 | 41.0 | 35.0 | 65,250 | 53,300 | 39,550 |
| Nevada | 108.8 | 75.9 | 86.8 | 1,305 | 987 | 1,215 |
| New Jersey | 49.0 | 56.0 | 54.0 | 1,519 | 1,512 | 1,566 |
| New Mexico | 22.0 | 27.0 | 44.0 | 2,090 | 2,430 | 3,080 |
| New York | 56.0 | 63.0 | 68.0 | 5,208 | 5,355 | 7,820 |
| North Carolina | 68.0 | 57.0 | 57.0 | 41,480 | 42,750 | 52,440 |
| North Dakota | 30.3 | 43.7 | 45.4 | 199,858 | 339,210 | 273,750 |
| Ohio | 58.0 | 69.0 | 70.0 | 49,300 | 31,050 | 46,550 |
| Oklahoma | 22.0 | 36.0 | 31.0 | 70,400 | 154,800 | 105,400 |
| Oregon | 75.9 | 65.6 | 62.1 | 74,515 | 57,576 | 53,904 |
| Pennsylvania | 51.0 | 65.0 | 68.0 | 8,670 | 9,425 | 10,880 |
| South Carolina | 60.0 | 53.0 | 54.0 | 10,800 | 11,660 | 13,770 |
| South Dakota | 37.2 | 45.8 | 42.2 | 104,796 | 102,435 | 77,558 |
| Tennessee | 69.0 | 63.0 | 71.0 | 21,390 | 21,420 | 38,340 |
| Texas | 26.0 | 32.0 | 29.0 | 49,400 | 96,000 | 65,250 |
| Utah | 49.4 | 45.4 | 44.5 | 7,120 | 6,224 | 5,512 |
| Virginia | 71.0 | 65.0 | 62.0 | 17,750 | 15,600 | 17,050 |
| Washington | 71.6 | 67.3 | 66.9 | 167,880 | 146,345 | 144,240 |
| West Virginia | 59.0 | 65.0 | 52.0 | 354 | 260 | 364 |
| Wisconsin | 65.0 | 75.0 | 58.0 | 21,775 | 18,375 | 15,370 |
| Wyoming | 34.0 | 25.0 | 24.0 | 4,420 | 3,000 | 2,880 |
| United States | 43.7 | 46.3 | 47.2 | 1,999,347 | 2,266,027 | 2,129,695 |

[1] Includes area planted in preceding fall.

## Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted [1] | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 220 | 220 | 300 | 195 | 190 | 270 |
| Arizona | 7 | 10 | 12 | 6 | 8 | 10 |
| Arkansas | 620 | 550 | 680 | 520 | 450 | 615 |
| California | 670 | 610 | 610 | 420 | 310 | 340 |
| Colorado | 2,300 | 2,350 | 2,300 | 2,000 | 2,170 | 1,640 |
| Delaware | 80 | 85 | 85 | 75 | 80 | 78 |
| Florida | 12 | 20 | 25 | 8 | 15 | 19 |
| Georgia | 250 | 290 | 420 | 200 | 230 | 350 |
| Idaho | 820 | 780 | 770 | 770 | 740 | 720 |
| Illinois | 800 | 660 | 875 | 765 | 645 | 830 |
| Indiana | 430 | 350 | 470 | 400 | 300 | 440 |
| Iowa | 22 | 18 | 30 | 16 | 13 | 21 |
| Kansas | 8,800 | 9,400 | 9,500 | 7,900 | 9,000 | 8,400 |
| Kentucky | 540 | 580 | 700 | 440 | 470 | 610 |
| Louisiana | 240 | 285 | 260 | 235 | 275 | 250 |
| Maryland | 260 | 310 | 345 | 190 | 210 | 260 |
| Michigan | 700 | 570 | 630 | 680 | 540 | 600 |
| Minnesota | 30 | 40 | 30 | 26 | 37 | 27 |
| Mississippi | 360 | 370 | 400 | 335 | 345 | 385 |
| Missouri | 790 | 790 | 1,100 | 680 | 690 | 1,000 |
| Montana | 2,250 | 2,300 | 2,000 | 2,190 | 2,170 | 1,900 |
| Nebraska | 1,520 | 1,380 | 1,470 | 1,450 | 1,300 | 1,130 |
| Nevada | 15 | 20 | 20 | 9 | 11 | 11 |
| New Jersey | 35 | 33 | 34 | 31 | 27 | 29 |
| New Mexico | 435 | 450 | 440 | 95 | 90 | 70 |
| New York | 120 | 100 | 125 | 93 | 85 | 115 |
| North Carolina | 700 | 830 | 990 | 610 | 750 | 920 |
| North Dakota | 400 | 750 | 220 | 375 | 730 | 205 |
| Ohio | 880 | 500 | 690 | 850 | 450 | 665 |
| Oklahoma | 5,100 | 5,400 | 5,600 | 3,200 | 4,300 | 3,400 |
| Oregon | 830 | 790 | 790 | 825 | 785 | 780 |
| Pennsylvania | 185 | 165 | 185 | 170 | 145 | 160 |
| South Carolina | 190 | 235 | 270 | 180 | 220 | 255 |
| South Dakota | 1,650 | 1,320 | 1,300 | 1,590 | 1,210 | 670 |
| Tennessee | 420 | 420 | 610 | 310 | 340 | 540 |
| Texas | 5,300 | 5,700 | 6,200 | 1,900 | 3,000 | 2,250 |
| Utah | 130 | 140 | 120 | 124 | 124 | 110 |
| Virginia | 270 | 280 | 320 | 250 | 240 | 275 |
| Washington | 1,760 | 1,700 | 1,690 | 1,730 | 1,670 | 1,660 |
| West Virginia | 10 | 8 | 9 | 6 | 4 | 7 |
| Wisconsin | 345 | 265 | 315 | 335 | 245 | 265 |
| Wyoming | 150 | 150 | 150 | 130 | 120 | 120 |
| United States | 40,646 | 41,224 | 43,090 | 32,314 | 34,734 | 32,402 |

See footnote(s) at end of table.

--continued

## Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Alabama | 73.0 | 59.0 | 69.0 | 14,235 | 11,210 | 18,630 |
| Arizona | 70.0 | 80.0 | 80.0 | 420 | 640 | 800 |
| Arkansas | 58.0 | 55.0 | 62.0 | 30,160 | 24,750 | 38,130 |
| California | 85.0 | 85.0 | 80.0 | 35,700 | 26,350 | 27,200 |
| Colorado | 39.0 | 34.0 | 27.0 | 78,000 | 73,780 | 44,280 |
| Delaware | 69.0 | 74.0 | 68.0 | 5,175 | 5,920 | 5,304 |
| Florida | 45.0 | 41.0 | 59.0 | 360 | 615 | 1,121 |
| Georgia | 55.0 | 49.0 | 60.0 | 11,000 | 11,270 | 21,000 |
| Idaho | 82.0 | 80.0 | 86.0 | 63,140 | 59,200 | 61,920 |
| Illinois | 61.0 | 63.0 | 67.0 | 46,665 | 40,635 | 55,610 |
| Indiana | 62.0 | 67.0 | 73.0 | 24,800 | 20,100 | 32,120 |
| Iowa | 45.0 | 53.0 | 52.0 | 720 | 689 | 1,092 |
| Kansas | 35.0 | 42.0 | 38.0 | 276,500 | 378,000 | 319,200 |
| Kentucky | 70.0 | 62.0 | 75.0 | 30,800 | 29,140 | 45,750 |
| Louisiana | 63.0 | 49.0 | 58.0 | 14,805 | 13,475 | 14,500 |
| Maryland | 66.0 | 68.0 | 67.0 | 12,540 | 14,280 | 17,420 |
| Michigan | 75.0 | 76.0 | 75.0 | 51,000 | 41,040 | 45,000 |
| Minnesota | 56.0 | 55.0 | 43.0 | 1,456 | 2,035 | 1,161 |
| Mississippi | 64.0 | 57.0 | 58.0 | 21,440 | 19,665 | 22,330 |
| Missouri | 50.0 | 57.0 | 56.0 | 34,000 | 39,330 | 56,000 |
| Montana | 41.0 | 39.0 | 43.0 | 89,790 | 84,630 | 81,700 |
| Nebraska | 45.0 | 41.0 | 35.0 | 65,250 | 53,300 | 39,550 |
| Nevada | 115.0 | 77.0 | 90.0 | 1,035 | 847 | 990 |
| New Jersey | 49.0 | 56.0 | 54.0 | 1,519 | 1,512 | 1,566 |
| New Mexico | 22.0 | 27.0 | 44.0 | 2,090 | 2,430 | 3,080 |
| New York | 56.0 | 63.0 | 68.0 | 5,208 | 5,355 | 7,820 |
| North Carolina | 68.0 | 57.0 | 57.0 | 41,480 | 42,750 | 52,440 |
| North Dakota | 37.0 | 55.0 | 43.0 | 13,875 | 40,150 | 8,815 |
| Ohio | 58.0 | 69.0 | 70.0 | 49,300 | 31,050 | 46,550 |
| Oklahoma | 22.0 | 36.0 | 31.0 | 70,400 | 154,800 | 105,400 |
| Oregon | 77.0 | 66.0 | 62.0 | 63,525 | 51,810 | 48,360 |
| Pennsylvania | 51.0 | 65.0 | 68.0 | 8,670 | 9,425 | 10,880 |
| South Carolina | 60.0 | 53.0 | 54.0 | 10,800 | 11,660 | 13,770 |
| South Dakota | 42.0 | 50.0 | 39.0 | 66,780 | 60,500 | 26,130 |
| Tennessee | 69.0 | 63.0 | 71.0 | 21,390 | 21,420 | 38,340 |
| Texas | 26.0 | 32.0 | 29.0 | 49,400 | 96,000 | 65,250 |
| Utah | 50.0 | 46.0 | 44.0 | 6,200 | 5,704 | 4,840 |
| Virginia | 71.0 | 65.0 | 62.0 | 17,750 | 15,600 | 17,050 |
| Washington | 75.0 | 71.0 | 69.0 | 129,750 | 118,570 | 114,540 |
| West Virginia | 59.0 | 65.0 | 52.0 | 354 | 260 | 364 |
| Wisconsin | 65.0 | 75.0 | 58.0 | 21,775 | 18,375 | 15,370 |
| Wyoming | 34.0 | 25.0 | 24.0 | 4,420 | 3,000 | 2,880 |
| United States | 46.2 | 47.3 | 47.4 | 1,493,677 | 1,641,272 | 1,534,253 |

[1] Includes area planted in preceding fall.

## Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Colorado | 45 | 13 | 10 | 44 | 12 | 9 |
| Idaho | 640 | 520 | 530 | 620 | 500 | 510 |
| Minnesota | 1,550 | 1,350 | 1,200 | 1,500 | 1,310 | 1,160 |
| Montana | 2,450 | 2,950 | 2,950 | 2,400 | 2,900 | 2,830 |
| Nevada | 8 | 6 | 8 | 3 | 2 | 3 |
| North Dakota | 5,650 | 5,750 | 5,100 | 5,500 | 5,700 | 5,060 |
| Oregon | 160 | 95 | 90 | 157 | 93 | 88 |
| South Dakota | 1,250 | 1,080 | 1,190 | 1,220 | 1,020 | 1,165 |
| Utah | 21 | 15 | 18 | 20 | 13 | 14 |
| Washington | 620 | 510 | 500 | 615 | 505 | 495 |
| United States | 12,394 | 12,289 | 11,596 | 12,079 | 12,055 | 11,334 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Colorado | 87.0 | 89.0 | 82.0 | 3,828 | 1,068 | 738 |
| Idaho | 84.0 | 76.0 | 77.0 | 52,080 | 38,000 | 39,270 |
| Minnesota | 46.0 | 57.0 | 57.0 | 69,000 | 74,670 | 66,120 |
| Montana | 31.0 | 33.0 | 37.0 | 74,400 | 95,700 | 104,710 |
| Nevada | 90.0 | 70.0 | 75.0 | 270 | 140 | 225 |
| North Dakota | 30.5 | 45.0 | 46.5 | 167,750 | 256,500 | 235,290 |
| Oregon | 70.0 | 62.0 | 63.0 | 10,990 | 5,766 | 5,544 |
| South Dakota | 31.0 | 41.0 | 44.0 | 37,820 | 41,820 | 51,260 |
| Utah | 46.0 | 40.0 | 48.0 | 920 | 520 | 672 |
| Washington | 62.0 | 55.0 | 60.0 | 38,130 | 27,775 | 29,700 |
| United States | 37.7 | 45.0 | 47.1 | 455,188 | 541,959 | 533,529 |

## Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Arizona | 80 | 105 | 80 | 79 | 104 | 79 |
| California | 120 | 140 | 75 | 115 | 135 | 67 |
| Idaho | 11 | 13 | 11 | 11 | 13 | 11 |
| Montana | 400 | 550 | 505 | 385 | 545 | 490 |
| North Dakota | 750 | 1,340 | 795 | 715 | 1,330 | 770 |
| South Dakota | 8 | 5 | 4 | 7 | 5 | 4 |
| United States | 1,369 | 2,153 | 1,470 | 1,312 | 2,132 | 1,421 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Arizona | 101.0 | 95.0 | 102.0 | 7,979 | 9,880 | 8,058 |
| California | 109.0 | 105.0 | 100.0 | 12,535 | 14,175 | 6,700 |
| Idaho | 69.0 | 62.0 | 62.0 | 759 | 806 | 682 |
| Montana | 28.0 | 28.0 | 34.0 | 10,780 | 15,260 | 16,660 |
| North Dakota | 25.5 | 32.0 | 38.5 | 18,233 | 42,560 | 29,645 |
| South Dakota | 28.0 | 23.0 | 42.0 | 196 | 115 | 168 |
| United States | 38.5 | 38.8 | 43.6 | 50,482 | 82,796 | 61,913 |

## Wheat Production by Class – United States: 2011-2013

[Wheat class estimates are based on the latest available data including both surveys and administrative data]

| Crop | 2011 | 2012 | 2013 |
|---|---|---|---|
| | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| **Winter** | | | |
| Hard red | 780,089 | 1,000,005 | 744,029 |
| Soft red | 457,535 | 419,801 | 564,907 |
| Hard white | 12,368 | 13,171 | 11,154 |
| Soft white | 243,685 | 208,295 | 214,163 |
| **Spring** | | | |
| Hard red | 397,689 | 504,520 | 490,394 |
| Hard white | 11,878 | 8,465 | 10,502 |
| Soft white | 45,621 | 28,974 | 32,633 |
| Durum | 50,482 | 82,796 | 61,913 |
| **Total** | 1,999,347 | 2,266,027 | 2,129,695 |

## Rice Area Planted and Harvested, Yield, and Production by Class – States and United States: 2011-2013

| Class and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Long grain** | | | | | | |
| Arkansas | 940 | 1,175 | 955 | 910 | 1,170 | 950 |
| California | 7 | 6 | 6 | 7 | 6 | 6 |
| Louisiana | 375 | 375 | 396 | 370 | 370 | 392 |
| Mississippi | 160 | 130 | 125 | 157 | 129 | 124 |
| Missouri | 137 | 176 | 157 | 122 | 173 | 154 |
| Texas | 175 | 132 | 142 | 173 | 131 | 141 |
| United States | 1,794 | 1,994 | 1,781 | 1,739 | 1,979 | 1,767 |
| **Medium grain** | | | | | | |
| Arkansas | 255 | 115 | 120 | 243 | 114 | 119 |
| California | 535 | 500 | 515 | 530 | 495 | 510 |
| Louisiana | 48 | 27 | 22 | 48 | 27 | 21 |
| Missouri | 6 | 4 | 2 | 6 | 4 | 2 |
| Texas | 7 | 3 | 3 | 7 | 3 | 3 |
| United States | 851 | 649 | 662 | 834 | 643 | 655 |
| **Short grain** [1] | | | | | | |
| Arkansas | 1 | 1 | 1 | 1 | 1 | 1 |
| California | 43 | 56 | 45 | 43 | 56 | 45 |
| United States | 44 | 57 | 46 | 44 | 57 | 46 |
| **All rice** | | | | | | |
| Arkansas | 1,196 | 1,291 | 1,076 | 1,154 | 1,285 | 1,070 |
| California | 585 | 562 | 566 | 580 | 557 | 561 |
| Louisiana | 423 | 402 | 418 | 418 | 397 | 413 |
| Mississippi | 160 | 130 | 125 | 157 | 129 | 124 |
| Missouri | 143 | 180 | 159 | 128 | 177 | 156 |
| Texas | 182 | 135 | 145 | 180 | 134 | 144 |
| United States | 2,689 | 2,700 | 2,489 | 2,617 | 2,679 | 2,468 |

See footnote(s) at end of table.

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## Rice Area Planted and Harvested, Yield, and Production by Class – States and United States: 2011-2013 (continued)

| Class and State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| **Long grain** | | | | | | |
| Arkansas | 6,760 | 7,490 | 7,560 | 61,516 | 87,633 | 71,820 |
| California | 5,500 | 5,000 | 5,700 | 385 | 300 | 342 |
| Louisiana | 6,300 | 6,440 | 7,330 | 23,310 | 23,828 | 28,734 |
| Mississippi | 6,850 | 7,200 | 7,400 | 10,755 | 9,288 | 9,176 |
| Missouri | 6,500 | 7,000 | 7,030 | 7,930 | 12,110 | 10,826 |
| Texas | 7,200 | 8,400 | 7,800 | 12,456 | 11,004 | 10,998 |
| United States | 6,691 | 7,285 | 7,464 | 116,352 | 144,163 | 131,896 |
| **Medium grain** | | | | | | |
| Arkansas | 6,800 | 7,280 | 7,570 | 16,524 | 8,299 | 9,008 |
| California | 8,500 | 8,300 | 8,670 | 45,050 | 41,085 | 44,217 |
| Louisiana | 6,500 | 6,340 | 6,670 | 3,120 | 1,712 | 1,401 |
| Missouri | 6,300 | 6,540 | 7,080 | 378 | 262 | 142 |
| Texas | 7,000 | 7,100 | 4,900 | 490 | 213 | 147 |
| United States | 7,861 | 8,020 | 8,384 | 65,562 | 51,571 | 54,915 |
| **Short grain** [1] | | | | | | |
| Arkansas | 6,000 | 6,000 | 6,000 | 60 | 60 | 60 |
| California | 6,900 | 6,700 | 6,700 | 2,967 | 3,752 | 3,015 |
| United States | 6,880 | 6,688 | 6,685 | 3,027 | 3,812 | 3,075 |
| **All** | | | | | | |
| Arkansas | 6,770 | 7,470 | 7,560 | 78,100 | 95,992 | 80,888 |
| California | 8,350 | 8,100 | 8,480 | 48,402 | 45,137 | 47,574 |
| Louisiana | 6,320 | 6,430 | 7,300 | 26,430 | 25,540 | 30,135 |
| Mississippi | 6,850 | 7,200 | 7,400 | 10,755 | 9,288 | 9,176 |
| Missouri | 6,490 | 6,990 | 7,030 | 8,308 | 12,372 | 10,968 |
| Texas | 7,190 | 8,370 | 7,740 | 12,946 | 11,217 | 11,145 |
| United States | 7,067 | 7,449 | 7,694 | 184,941 | 199,546 | 189,886 |

[1] Sweet rice acreage, yield, and production included with short grain.

## Rye Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted [1] | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Georgia | 200 | 230 | 190 | 35 | 25 | 40 |
| Oklahoma | 260 | 250 | 260 | 55 | 60 | 80 |
| Other States [2] | 806 | 820 | 996 | 152 | 163 | 158 |
| United States | 1,266 | 1,300 | 1,446 | 242 | 248 | 278 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Georgia | 27.0 | 22.0 | 27.0 | 945 | 550 | 1,080 |
| Oklahoma | 15.0 | 21.0 | 20.0 | 825 | 1,260 | 1,600 |
| Other States [2] | 30.0 | 31.5 | 31.6 | 4,556 | 5,134 | 4,989 |
| United States | 26.1 | 28.0 | 27.6 | 6,326 | 6,944 | 7,669 |

[1] Includes area planted in preceding fall.
[2] Other States include Illinois, Kansas, Michigan, Minnesota, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, and Wisconsin.

## Proso Millet Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Colorado | 250 | 210 | 370 | 230 | 120 | 330 |
| Nebraska | 80 | 70 | 160 | 73 | 55 | 143 |
| South Dakota | 40 | 55 | 190 | 35 | 30 | 165 |
| United States | 370 | 335 | 720 | 338 | 205 | 638 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Colorado | 27.0 | 14.0 | 25.0 | 6,210 | 1,680 | 8,250 |
| Nebraska | 23.0 | 12.0 | 32.0 | 1,679 | 660 | 4,576 |
| South Dakota | 36.0 | 25.0 | 34.0 | 1,260 | 750 | 5,610 |
| United States | 27.1 | 15.1 | 28.9 | 9,149 | 3,090 | 18,436 |

## All Hay Area Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| Alabama | 800 | 860 | 790 | 2.40 | 2.60 | 2.70 |
| Arizona | 285 | 295 | 285 | 7.77 | 7.85 | 7.65 |
| Arkansas | 1,400 | 1,450 | 1,335 | 1.61 | 1.21 | 2.10 |
| California | 1,410 | 1,550 | 1,440 | 5.66 | 5.62 | 5.53 |
| Colorado | 1,620 | 1,460 | 1,310 | 2.54 | 2.58 | 2.25 |
| Connecticut | 60 | 58 | 47 | 2.02 | 2.03 | 2.26 |
| Delaware | 15 | 16 | 18 | 2.53 | 2.63 | 3.30 |
| Florida | 260 | 320 | 300 | 2.40 | 2.30 | 2.20 |
| Georgia | 590 | 580 | 580 | 2.20 | 2.50 | 2.70 |
| Idaho | 1,350 | 1,340 | 1,480 | 3.76 | 3.55 | 3.36 |
| Illinois | 540 | 580 | 660 | 2.92 | 2.57 | 3.07 |
| Indiana | 670 | 630 | 640 | 2.84 | 2.34 | 2.80 |
| Iowa | 1,140 | 1,140 | 1,170 | 3.04 | 2.47 | 2.89 |
| Kansas | 2,400 | 2,750 | 2,750 | 1.83 | 1.58 | 2.38 |
| Kentucky | 2,310 | 2,380 | 2,600 | 2.31 | 2.07 | 2.28 |
| Louisiana | 430 | 460 | 400 | 2.10 | 2.70 | 2.20 |
| Maine | 132 | 130 | 135 | 1.95 | 1.58 | 1.46 |
| Maryland | 220 | 205 | 225 | 2.65 | 2.51 | 2.33 |
| Massachusetts | 74 | 69 | 84 | 1.84 | 2.06 | 2.12 |
| Michigan | 1,000 | 970 | 940 | 2.75 | 1.91 | 2.68 |
| Minnesota | 1,830 | 1,750 | 1,900 | 3.02 | 2.28 | 2.05 |
| Mississippi | 720 | 750 | 720 | 2.40 | 2.60 | 2.50 |
| Missouri | 3,750 | 3,660 | 4,050 | 1.67 | 1.44 | 1.97 |
| Montana | 2,700 | 2,200 | 2,800 | 2.07 | 1.87 | 1.95 |
| Nebraska | 2,480 | 2,570 | 2,500 | 2.27 | 1.58 | 1.97 |
| Nevada | 450 | 415 | 345 | 3.20 | 3.22 | 3.37 |
| New Hampshire | 53 | 52 | 50 | 1.98 | 1.90 | 2.50 |
| New Jersey | 105 | 105 | 97 | 2.15 | 2.48 | 2.42 |
| New Mexico | 280 | 285 | 230 | 4.43 | 4.75 | 4.18 |
| New York | 1,340 | 1,560 | 1,430 | 2.03 | 1.68 | 2.05 |
| North Carolina | 775 | 662 | 858 | 2.20 | 2.51 | 2.41 |
| North Dakota | 2,480 | 2,190 | 2,620 | 2.11 | 1.44 | 1.94 |
| Ohio | 1,120 | 1,100 | 1,070 | 2.48 | 2.12 | 2.46 |
| Oklahoma | 2,500 | 3,190 | 3,130 | 0.93 | 1.37 | 1.59 |
| Oregon | 1,030 | 1,000 | 1,020 | 3.22 | 3.07 | 3.14 |
| Pennsylvania | 1,450 | 1,420 | 1,260 | 2.41 | 2.10 | 2.32 |
| Rhode Island | 9 | 8 | 8 | 2.00 | 1.88 | 1.88 |
| South Carolina | 300 | 250 | 290 | 2.10 | 2.20 | 2.20 |
| South Dakota | 3,550 | 3,100 | 3,050 | 2.43 | 1.32 | 1.94 |
| Tennessee | 1,880 | 1,765 | 1,915 | 2.11 | 2.01 | 2.31 |
| Texas | 3,700 | 5,100 | 5,640 | 1.20 | 1.86 | 1.57 |
| Utah | 760 | 660 | 725 | 3.65 | 3.62 | 3.77 |
| Vermont | 175 | 185 | 180 | 1.82 | 1.75 | 1.72 |
| Virginia | 1,370 | 1,305 | 1,240 | 2.27 | 2.32 | 2.49 |
| Washington | 780 | 780 | 760 | 4.33 | 3.83 | 4.24 |
| West Virginia | 640 | 630 | 590 | 2.04 | 1.63 | 1.97 |
| Wisconsin | 1,600 | 1,450 | 1,600 | 2.55 | 2.08 | 2.35 |
| Wyoming | 1,120 | 875 | 990 | 2.10 | 2.16 | 2.11 |
| United States | 55,653 | 56,260 | 58,257 | 2.36 | 2.13 | 2.33 |

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## All Hay Area Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| Alabama | 1,920 | 2,236 | 2,133 |
| Arizona | 2,215 | 2,316 | 2,179 |
| Arkansas | 2,247 | 1,748 | 2,810 |
| California | 7,980 | 8,715 | 7,956 |
| Colorado | 4,110 | 3,761 | 2,941 |
| Connecticut | 121 | 118 | 106 |
| Delaware | 38 | 42 | 59 |
| Florida | 624 | 736 | 660 |
| Georgia | 1,298 | 1,450 | 1,566 |
| Idaho | 5,070 | 4,760 | 4,976 |
| Illinois | 1,576 | 1,490 | 2,024 |
| Indiana | 1,903 | 1,477 | 1,792 |
| Iowa | 3,460 | 2,814 | 3,377 |
| Kansas | 4,400 | 4,340 | 6,545 |
| Kentucky | 5,334 | 4,922 | 5,940 |
| Louisiana | 903 | 1,242 | 880 |
| Maine | 258 | 206 | 197 |
| Maryland | 584 | 514 | 524 |
| Massachusetts | 136 | 142 | 178 |
| Michigan | 2,750 | 1,851 | 2,518 |
| Minnesota | 5,530 | 3,995 | 3,895 |
| Mississippi | 1,728 | 1,950 | 1,800 |
| Missouri | 6,250 | 5,254 | 7,975 |
| Montana | 5,590 | 4,120 | 5,460 |
| Nebraska | 5,624 | 4,072 | 4,935 |
| Nevada | 1,440 | 1,336 | 1,161 |
| New Hampshire | 105 | 99 | 125 |
| New Jersey | 226 | 260 | 235 |
| New Mexico | 1,239 | 1,355 | 962 |
| New York | 2,721 | 2,627 | 2,930 |
| North Carolina | 1,707 | 1,660 | 2,064 |
| North Dakota | 5,224 | 3,156 | 5,090 |
| Ohio | 2,772 | 2,330 | 2,635 |
| Oklahoma | 2,330 | 4,375 | 4,971 |
| Oregon | 3,312 | 3,074 | 3,204 |
| Pennsylvania | 3,499 | 2,978 | 2,918 |
| Rhode Island | 18 | 15 | 15 |
| South Carolina | 630 | 550 | 638 |
| South Dakota | 8,625 | 4,090 | 5,905 |
| Tennessee | 3,976 | 3,551 | 4,427 |
| Texas | 4,440 | 9,490 | 8,880 |
| Utah | 2,774 | 2,386 | 2,730 |
| Vermont | 318 | 323 | 310 |
| Virginia | 3,104 | 3,033 | 3,084 |
| Washington | 3,376 | 2,986 | 3,223 |
| West Virginia | 1,306 | 1,028 | 1,165 |
| Wisconsin | 4,075 | 3,015 | 3,760 |
| Wyoming | 2,350 | 1,890 | 2,088 |
| United States | 131,216 | 119,878 | 135,946 |

## Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| Arizona | 250 | 250 | 250 | 8.30 | 8.40 | 8.10 |
| Arkansas | 10 | 10 | 5 | 2.30 | 2.00 | 3.30 |
| California | 880 | 950 | 900 | 6.90 | 6.90 | 6.80 |
| Colorado | 800 | 750 | 650 | 3.60 | 3.50 | 2.90 |
| Connecticut | 7 | 7 | 7 | 2.10 | 3.00 | 2.00 |
| Delaware | 5 | 6 | 6 | 3.00 | 2.70 | 3.50 |
| Idaho | 1,000 | 1,040 | 1,120 | 4.30 | 4.00 | 3.80 |
| Illinois | 280 | 330 | 340 | 3.40 | 3.00 | 3.60 |
| Indiana | 300 | 280 | 280 | 4.00 | 2.90 | 3.70 |
| Iowa | 820 | 730 | 730 | 3.40 | 2.90 | 3.30 |
| Kansas | 650 | 650 | 550 | 3.00 | 2.80 | 3.50 |
| Kentucky | 210 | 180 | 200 | 3.40 | 2.90 | 3.30 |
| Maine | 7 | 10 | 10 | 2.80 | 1.40 | 2.20 |
| Maryland | 35 | 30 | 30 | 4.00 | 4.30 | 3.80 |
| Massachusetts | 9 | 9 | 9 | 2.10 | 2.40 | 3.10 |
| Michigan | 700 | 660 | 610 | 3.20 | 2.10 | 3.10 |
| Minnesota | 1,100 | 850 | 950 | 3.70 | 2.90 | 2.60 |
| Missouri | 250 | 260 | 350 | 2.60 | 1.90 | 2.70 |
| Montana | 2,000 | 1,500 | 1,800 | 2.20 | 2.00 | 2.20 |
| Nebraska | 780 | 770 | 700 | 4.05 | 2.95 | 3.45 |
| Nevada | 250 | 240 | 210 | 4.40 | 4.40 | 4.50 |
| New Hampshire | 4 | 5 | 5 | 1.70 | 2.00 | 1.60 |
| New Jersey | 20 | 17 | 17 | 3.20 | 3.90 | 3.00 |
| New Mexico | 210 | 200 | 145 | 5.20 | 5.50 | 5.40 |
| New York | 350 | 410 | 350 | 2.40 | 2.20 | 2.20 |
| North Carolina | 5 | 7 | 8 | 2.50 | 3.20 | 3.00 |
| North Dakota | 1,550 | 1,290 | 1,620 | 2.35 | 1.40 | 2.00 |
| Ohio | 380 | 350 | 330 | 3.40 | 2.80 | 3.50 |
| Oklahoma | 200 | 190 | 230 | 1.30 | 2.50 | 2.70 |
| Oregon | 400 | 380 | 400 | 4.50 | 4.50 | 4.60 |
| Pennsylvania | 410 | 400 | 340 | 2.70 | 2.60 | 2.90 |
| Rhode Island | 1 | 1 | 1 | 2.40 | 1.50 | 2.00 |
| South Dakota | 2,350 | 1,850 | 1,800 | 2.70 | 1.40 | 2.10 |
| Tennessee | 20 | 15 | 15 | 3.50 | 3.40 | 3.80 |
| Texas | 100 | 100 | 140 | 4.80 | 4.90 | 4.50 |
| Utah | 580 | 500 | 550 | 4.10 | 4.10 | 4.20 |
| Vermont | 30 | 35 | 35 | 1.90 | 1.50 | 1.80 |
| Virginia | 90 | 85 | 90 | 3.20 | 4.10 | 3.60 |
| Washington | 380 | 400 | 410 | 5.20 | 4.90 | 5.30 |
| West Virginia | 20 | 20 | 20 | 3.30 | 2.60 | 4.10 |
| Wisconsin | 1,150 | 1,050 | 1,100 | 2.80 | 2.30 | 2.60 |
| Wyoming | 620 | 475 | 450 | 2.50 | 2.80 | 3.20 |
| United States | 19,213 | 17,292 | 17,763 | 3.40 | 3.01 | 3.24 |

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## Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| Arizona | 2,075 | 2,100 | 2,025 |
| Arkansas | 23 | 20 | 17 |
| California | 6,072 | 6,555 | 6,120 |
| Colorado | 2,880 | 2,625 | 1,885 |
| Connecticut | 15 | 21 | 14 |
| Delaware | 15 | 16 | 21 |
| Idaho | 4,300 | 4,160 | 4,256 |
| Illinois | 952 | 990 | 1,224 |
| Indiana | 1,200 | 812 | 1,036 |
| Iowa | 2,788 | 2,117 | 2,409 |
| Kansas | 1,950 | 1,820 | 1,925 |
| Kentucky | 714 | 522 | 660 |
| Maine | 20 | 14 | 22 |
| Maryland | 140 | 129 | 114 |
| Massachusetts | 19 | 22 | 28 |
| Michigan | 2,240 | 1,386 | 1,891 |
| Minnesota | 4,070 | 2,465 | 2,470 |
| Missouri | 650 | 494 | 945 |
| Montana | 4,400 | 3,000 | 3,960 |
| Nebraska | 3,159 | 2,272 | 2,415 |
| Nevada | 1,100 | 1,056 | 945 |
| New Hampshire | 7 | 10 | 8 |
| New Jersey | 64 | 66 | 51 |
| New Mexico | 1,092 | 1,100 | 783 |
| New York | 840 | 902 | 770 |
| North Carolina | 13 | 22 | 24 |
| North Dakota | 3,643 | 1,806 | 3,240 |
| Ohio | 1,292 | 980 | 1,155 |
| Oklahoma | 260 | 475 | 621 |
| Oregon | 1,800 | 1,710 | 1,840 |
| Pennsylvania | 1,107 | 1,040 | 986 |
| Rhode Island | 2 | 2 | 2 |
| South Dakota | 6,345 | 2,590 | 3,780 |
| Tennessee | 70 | 51 | 57 |
| Texas | 480 | 490 | 630 |
| Utah | 2,378 | 2,050 | 2,310 |
| Vermont | 57 | 53 | 63 |
| Virginia | 288 | 349 | 324 |
| Washington | 1,976 | 1,960 | 2,173 |
| West Virginia | 66 | 52 | 82 |
| Wisconsin | 3,220 | 2,415 | 2,860 |
| Wyoming | 1,550 | 1,330 | 1,440 |
| United States | 65,332 | 52,049 | 57,581 |

## All Other Hay Area Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| Alabama [1] | 800 | 860 | 790 | 2.40 | 2.60 | 2.70 |
| Arizona | 35 | 45 | 35 | 4.00 | 4.80 | 4.40 |
| Arkansas | 1,390 | 1,440 | 1,330 | 1.60 | 1.20 | 2.10 |
| California | 530 | 600 | 540 | 3.60 | 3.60 | 3.40 |
| Colorado | 820 | 710 | 660 | 1.50 | 1.60 | 1.60 |
| Connecticut | 53 | 51 | 40 | 2.00 | 1.90 | 2.30 |
| Delaware | 10 | 10 | 12 | 2.30 | 2.60 | 3.20 |
| Florida [1] | 260 | 320 | 300 | 2.40 | 2.30 | 2.20 |
| Georgia [1] | 590 | 580 | 580 | 2.20 | 2.50 | 2.70 |
| Idaho | 350 | 300 | 360 | 2.20 | 2.00 | 2.00 |
| Illinois | 260 | 250 | 320 | 2.40 | 2.00 | 2.50 |
| Indiana | 370 | 350 | 360 | 1.90 | 1.90 | 2.10 |
| Iowa | 320 | 410 | 440 | 2.10 | 1.70 | 2.20 |
| Kansas | 1,750 | 2,100 | 2,200 | 1.40 | 1.20 | 2.10 |
| Kentucky | 2,100 | 2,200 | 2,400 | 2.20 | 2.00 | 2.20 |
| Louisiana [1] | 430 | 460 | 400 | 2.10 | 2.70 | 2.20 |
| Maine | 125 | 120 | 125 | 1.90 | 1.60 | 1.40 |
| Maryland | 185 | 175 | 195 | 2.40 | 2.20 | 2.10 |
| Massachusetts | 65 | 60 | 75 | 1.80 | 2.00 | 2.00 |
| Michigan | 300 | 310 | 330 | 1.70 | 1.50 | 1.90 |
| Minnesota | 730 | 900 | 950 | 2.00 | 1.70 | 1.50 |
| Mississippi [1] | 720 | 750 | 720 | 2.40 | 2.60 | 2.50 |
| Missouri | 3,500 | 3,400 | 3,700 | 1.60 | 1.40 | 1.90 |
| Montana | 700 | 700 | 1,000 | 1.70 | 1.60 | 1.50 |
| Nebraska | 1,700 | 1,800 | 1,800 | 1.45 | 1.00 | 1.40 |
| Nevada | 200 | 175 | 135 | 1.70 | 1.60 | 1.60 |
| New Hampshire | 49 | 47 | 45 | 2.00 | 1.90 | 2.60 |
| New Jersey | 85 | 88 | 80 | 1.90 | 2.20 | 2.30 |
| New Mexico | 70 | 85 | 85 | 2.10 | 3.00 | 2.10 |
| New York | 990 | 1,150 | 1,080 | 1.90 | 1.50 | 2.00 |
| North Carolina | 770 | 655 | 850 | 2.20 | 2.50 | 2.40 |
| North Dakota | 930 | 900 | 1,000 | 1.70 | 1.50 | 1.85 |
| Ohio | 740 | 750 | 740 | 2.00 | 1.80 | 2.00 |
| Oklahoma | 2,300 | 3,000 | 2,900 | 0.90 | 1.30 | 1.50 |
| Oregon | 630 | 620 | 620 | 2.40 | 2.20 | 2.20 |
| Pennsylvania | 1,040 | 1,020 | 920 | 2.30 | 1.90 | 2.10 |
| Rhode Island | 8 | 7 | 7 | 2.00 | 1.90 | 1.90 |
| South Carolina [1] | 300 | 250 | 290 | 2.10 | 2.20 | 2.20 |
| South Dakota | 1,200 | 1,250 | 1,250 | 1.90 | 1.20 | 1.70 |
| Tennessee | 1,860 | 1,750 | 1,900 | 2.10 | 2.00 | 2.30 |
| Texas | 3,600 | 5,000 | 5,500 | 1.10 | 1.80 | 1.50 |
| Utah | 180 | 160 | 175 | 2.20 | 2.10 | 2.40 |
| Vermont | 145 | 150 | 145 | 1.80 | 1.80 | 1.70 |
| Virginia | 1,280 | 1,220 | 1,150 | 2.20 | 2.20 | 2.40 |
| Washington | 400 | 380 | 350 | 3.50 | 2.70 | 3.00 |
| West Virginia | 620 | 610 | 570 | 2.00 | 1.60 | 1.90 |
| Wisconsin | 450 | 400 | 500 | 1.90 | 1.50 | 1.80 |
| Wyoming | 500 | 400 | 540 | 1.60 | 1.40 | 1.20 |
| United States | 36,440 | 38,968 | 40,494 | 1.81 | 1.74 | 1.94 |

See footnote(s) at end of table.

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## All Other Hay Area Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| Alabama [1] | 1,920 | 2,236 | 2,133 |
| Arizona | 140 | 216 | 154 |
| Arkansas | 2,224 | 1,728 | 2,793 |
| California | 1,908 | 2,160 | 1,836 |
| Colorado | 1,230 | 1,136 | 1,056 |
| Connecticut | 106 | 97 | 92 |
| Delaware | 23 | 26 | 38 |
| Florida [1] | 624 | 736 | 660 |
| Georgia [1] | 1,298 | 1,450 | 1,566 |
| Idaho | 770 | 600 | 720 |
| Illinois | 624 | 500 | 800 |
| Indiana | 703 | 665 | 756 |
| Iowa | 672 | 697 | 968 |
| Kansas | 2,450 | 2,520 | 4,620 |
| Kentucky | 4,620 | 4,400 | 5,280 |
| Louisiana [1] | 903 | 1,242 | 880 |
| Maine | 238 | 192 | 175 |
| Maryland | 444 | 385 | 410 |
| Massachusetts | 117 | 120 | 150 |
| Michigan | 510 | 465 | 627 |
| Minnesota | 1,460 | 1,530 | 1,425 |
| Mississippi [1] | 1,728 | 1,950 | 1,800 |
| Missouri | 5,600 | 4,760 | 7,030 |
| Montana | 1,190 | 1,120 | 1,500 |
| Nebraska | 2,465 | 1,800 | 2,520 |
| Nevada | 340 | 280 | 216 |
| New Hampshire | 98 | 89 | 117 |
| New Jersey | 162 | 194 | 184 |
| New Mexico | 147 | 255 | 179 |
| New York | 1,881 | 1,725 | 2,160 |
| North Carolina | 1,694 | 1,638 | 2,040 |
| North Dakota | 1,581 | 1,350 | 1,850 |
| Ohio | 1,480 | 1,350 | 1,480 |
| Oklahoma | 2,070 | 3,900 | 4,350 |
| Oregon | 1,512 | 1,364 | 1,364 |
| Pennsylvania | 2,392 | 1,938 | 1,932 |
| Rhode Island | 16 | 13 | 13 |
| South Carolina [1] | 630 | 550 | 638 |
| South Dakota | 2,280 | 1,500 | 2,125 |
| Tennessee | 3,906 | 3,500 | 4,370 |
| Texas | 3,960 | 9,000 | 8,250 |
| Utah | 396 | 336 | 420 |
| Vermont | 261 | 270 | 247 |
| Virginia | 2,816 | 2,684 | 2,760 |
| Washington | 1,400 | 1,026 | 1,050 |
| West Virginia | 1,240 | 976 | 1,083 |
| Wisconsin | 855 | 600 | 900 |
| Wyoming | 800 | 560 | 648 |
| United States | 65,884 | 67,829 | 78,365 |

[1] Alfalfa and alfalfa mixtures included in all other hay.

## Forage Production

Forage production is the sum of all dry hay production and haylage/greenchop production after converting the haylage/greenchop production to a dry equivalent basis (13 percent moisture) by multiplying the green weight (weight at harvest) by 0.4943. The conversion factor (0.4943) is based on the assumption that one ton of dry hay is 0.87 ton of dry matter, one ton of haylage is 0.45 ton dry matter and one ton of greenchop is 0.25 ton dry matter. The total haylage/greenchop production is assumed to be comprised of 90 percent haylage and 10 percent greenchop. Therefore, the conversion factor used to adjust haylage/greenchop production to a dry equivalent basis = ((0.45*0.9)+(0.25*0.1))/0.87 = 0.4943. The factors assumed here may vary by State and can be adjusted. Adjustments would result in a slightly different conversion factor.

### All Forage Area Harvested, Yield, and Production – States and 18 State Total: 2011-2013

[All forage production is the sum of the following dry equivalents: alfalfa hay harvested as dry hay, all other hay harvested as dry hay, alfalfa haylage and greenchop, all other haylage and greenchop; after converting alfalfa and all other haylage and greenchop to a dry equivalent basis]

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| California | 1,810 | 1,790 | 1,660 | 6.24 | 5.77 | 5.83 |
| Idaho | 1,405 | 1,405 | 1,520 | 4.02 | 3.82 | 3.62 |
| Illinois | 565 | 610 | 680 | 3.03 | 2.72 | 3.12 |
| Iowa | 1,200 | 1,185 | 1,220 | 3.15 | 2.68 | 3.07 |
| Kansas | 2,450 | 2,795 | 2,780 | 1.88 | 1.63 | 2.39 |
| Michigan | 1,210 | 1,170 | 1,180 | 3.03 | 2.20 | 3.02 |
| Minnesota | 2,098 | 1,980 | 2,165 | 3.16 | 2.48 | 2.25 |
| Missouri | 3,770 | 3,700 | 4,085 | 1.68 | 1.45 | 2.01 |
| Nebraska | 2,500 | 2,590 | 2,530 | 2.32 | 1.62 | 2.00 |
| New Mexico | 293 | 317 | 244 | 4.44 | 4.62 | 4.16 |
| New York | 1,840 | 2,070 | 2,020 | 2.57 | 2.07 | 2.47 |
| Ohio | 1,170 | 1,170 | 1,110 | 2.59 | 2.39 | 2.68 |
| Pennsylvania | 1,690 | 1,690 | 1,540 | 2.65 | 2.42 | 2.79 |
| South Dakota | 3,570 | 3,135 | 3,085 | 2.46 | 1.33 | 1.98 |
| Texas | 3,780 | 5,230 | 5,744 | 1.23 | 1.87 | 1.63 |
| Vermont | 290 | 305 | 310 | 2.90 | 2.95 | 2.73 |
| Washington | 840 | 840 | 805 | 4.34 | 3.95 | 4.44 |
| Wisconsin | 2,600 | 2,500 | 2,650 | 3.31 | 2.66 | 2.65 |
| 18 State total | 33,081 | 34,482 | 35,328 | 2.71 | 2.31 | 2.54 |

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| California | 11,296 | 10,328 | 9,672 |
| Idaho | 5,650 | 5,363 | 5,496 |
| Illinois | 1,714 | 1,657 | 2,120 |
| Iowa | 3,778 | 3,179 | 3,747 |
| Kansas | 4,601 | 4,545 | 6,658 |
| Michigan | 3,670 | 2,574 | 3,568 |
| Minnesota | 6,630 | 4,918 | 4,882 |
| Missouri | 6,320 | 5,364 | 8,197 |
| Nebraska | 5,794 | 4,205 | 5,062 |
| New Mexico | 1,302 | 1,463 | 1,014 |
| New York | 4,735 | 4,288 | 4,998 |
| Ohio | 3,033 | 2,791 | 2,978 |
| Pennsylvania | 4,482 | 4,093 | 4,294 |
| South Dakota | 8,771 | 4,165 | 6,093 |
| Texas | 4,650 | 9,769 | 9,345 |
| Vermont | 842 | 900 | 847 |
| Washington | 3,646 | 3,315 | 3,578 |
| Wisconsin | 8,596 | 6,647 | 7,022 |
| 18 State total | 89,510 | 79,564 | 89,571 |

## All Alfalfa Forage Area Harvested, Yield, and Production – States and 18 State Total: 2011-2013

[All alfalfa forage production is the sum of alfalfa harvested as dry hay and alfalfa haylage and greenchop production after converting it to a dry equivalent basis]

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| California | 900 | 990 | 960 | 6.96 | 6.80 | 6.71 |
| Idaho | 1,040 | 1,085 | 1,135 | 4.64 | 4.30 | 4.10 |
| Illinois | 300 | 350 | 360 | 3.57 | 3.17 | 3.59 |
| Iowa | 860 | 760 | 770 | 3.53 | 3.21 | 3.56 |
| Kansas | 675 | 655 | 560 | 3.02 | 2.80 | 3.50 |
| Michigan | 900 | 850 | 840 | 3.46 | 2.44 | 3.43 |
| Minnesota | 1,340 | 1,040 | 1,185 | 3.80 | 3.17 | 2.86 |
| Missouri | 255 | 270 | 345 | 2.67 | 1.94 | 2.95 |
| Nebraska | 790 | 780 | 710 | 4.12 | 3.04 | 3.48 |
| New Mexico | 212 | 211 | 145 | 5.19 | 5.32 | 5.50 |
| New York | 600 | 680 | 650 | 3.45 | 2.97 | 3.16 |
| Ohio | 410 | 410 | 360 | 3.69 | 3.00 | 3.91 |
| Pennsylvania | 560 | 580 | 490 | 3.26 | 3.13 | 4.11 |
| South Dakota | 2,360 | 1,865 | 1,820 | 2.73 | 1.41 | 2.15 |
| Texas | 100 | 100 | 144 | 4.92 | 4.96 | 4.47 |
| Vermont | 70 | 75 | 90 | 3.94 | 4.12 | 3.28 |
| Washington | 410 | 420 | 425 | 5.06 | 4.86 | 5.26 |
| Wisconsin | 2,050 | 2,000 | 2,000 | 3.68 | 2.89 | 2.88 |
| 18 State total | 13,832 | 13,121 | 12,989 | 3.81 | 3.24 | 3.54 |

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| California | 6,265 | 6,733 | 6,446 |
| Idaho | 4,825 | 4,664 | 4,658 |
| Illinois | 1,070 | 1,111 | 1,293 |
| Iowa | 3,032 | 2,438 | 2,738 |
| Kansas | 2,039 | 1,836 | 1,959 |
| Michigan | 3,117 | 2,071 | 2,879 |
| Minnesota | 5,088 | 3,295 | 3,386 |
| Missouri | 680 | 524 | 1,019 |
| Nebraska | 3,258 | 2,369 | 2,474 |
| New Mexico | 1,101 | 1,122 | 797 |
| New York | 2,068 | 2,018 | 2,055 |
| Ohio | 1,511 | 1,232 | 1,408 |
| Pennsylvania | 1,827 | 1,814 | 2,015 |
| South Dakota | 6,452 | 2,626 | 3,909 |
| Texas | 492 | 496 | 644 |
| Vermont | 276 | 309 | 295 |
| Washington | 2,076 | 2,040 | 2,237 |
| Wisconsin | 7,545 | 5,786 | 5,766 |
| 18 State total | 52,722 | 42,484 | 45,978 |

## All Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2011-2013

[Includes all types of forage harvested as haylage or greenchop (green weight). Forage harvested as dry hay and corn and sorghum silage/greenchop are not included]

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| California | 440 | 280 | 265 | 15.25 | 11.66 | 13.10 |
| Idaho | 100 | 105 | 90 | 11.74 | 11.62 | 11.68 |
| Illinois | 38 | 63 | 49 | 7.34 | 5.33 | 3.96 |
| Iowa | 90 | 120 | 105 | 7.16 | 6.17 | 7.13 |
| Kansas | 80 | 55 | 46 | 5.10 | 7.55 | 4.96 |
| Michigan | 270 | 230 | 295 | 6.90 | 6.36 | 7.20 |
| Minnesota | 318 | 280 | 331 | 6.99 | 6.67 | 6.03 |
| Missouri | 30 | 80 | 75 | 4.67 | 2.78 | 6.00 |
| Nebraska | 55 | 55 | 50 | 6.25 | 4.87 | 5.16 |
| New Mexico | 13 | 32 | 17 | 9.92 | 6.81 | 6.24 |
| New York | 650 | 660 | 760 | 6.27 | 5.09 | 5.51 |
| Ohio | 97 | 158 | 112 | 5.45 | 5.91 | 6.20 |
| Pennsylvania | 390 | 400 | 465 | 5.10 | 5.64 | 5.98 |
| South Dakota | 45 | 45 | 55 | 6.58 | 3.36 | 6.91 |
| Texas | 85 | 140 | 110 | 5.00 | 4.03 | 8.55 |
| Vermont | 155 | 170 | 165 | 6.85 | 6.87 | 6.59 |
| Washington | 80 | 110 | 85 | 6.84 | 6.05 | 8.45 |
| Wisconsin | 1,360 | 1,260 | 1,230 | 6.73 | 5.83 | 5.37 |
| 18 State total | 4,296 | 4,243 | 4,305 | 7.44 | 6.24 | 6.51 |

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| California | 6,708 | 3,264 | 3,472 |
| Idaho | 1,174 | 1,220 | 1,051 |
| Illinois | 279 | 336 | 194 |
| Iowa | 644 | 740 | 749 |
| Kansas | 408 | 415 | 228 |
| Michigan | 1,863 | 1,462 | 2,123 |
| Minnesota | 2,224 | 1,868 | 1,996 |
| Missouri | 140 | 222 | 450 |
| Nebraska | 344 | 268 | 258 |
| New Mexico | 129 | 218 | 106 |
| New York | 4,075 | 3,359 | 4,184 |
| Ohio | 529 | 933 | 694 |
| Pennsylvania | 1,989 | 2,255 | 2,783 |
| South Dakota | 296 | 151 | 380 |
| Texas | 425 | 564 | 940 |
| Vermont | 1,062 | 1,168 | 1,087 |
| Washington | 547 | 666 | 718 |
| Wisconsin | 9,146 | 7,348 | 6,600 |
| 18 State total | 31,982 | 26,457 | 28,013 |

## Alfalfa Haylage and Greenchop Area Harvested, Yield, and Production – States and 18 State Total: 2011-2013

[Includes only alfalfa and alfalfa mixtures that were harvested as haylage or greenchop (green weight). Alfalfa harvested as dry hay is not included]

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| California | 50 | 60 | 75 | 7.80 | 6.00 | 8.80 |
| Idaho | 85 | 85 | 65 | 12.50 | 12.00 | 12.50 |
| Illinois | 31 | 42 | 38 | 7.70 | 5.80 | 3.70 |
| Iowa | 65 | 100 | 90 | 7.60 | 6.50 | 7.40 |
| Kansas | 45 | 10 | 16 | 4.00 | 3.20 | 4.30 |
| Michigan | 250 | 210 | 270 | 7.10 | 6.60 | 7.40 |
| Minnesota | 290 | 240 | 285 | 7.10 | 7.00 | 6.50 |
| Missouri | 10 | 20 | 25 | 6.00 | 3.00 | 6.00 |
| Nebraska | 40 | 40 | 25 | 5.00 | 4.90 | 4.80 |
| New Mexico | 2 | 11 | 3 | 9.40 | 4.00 | 9.50 |
| New York | 350 | 370 | 400 | 7.10 | 6.10 | 6.50 |
| Ohio | 60 | 85 | 80 | 7.40 | 6.00 | 6.40 |
| Pennsylvania | 260 | 270 | 285 | 5.60 | 5.80 | 7.30 |
| South Dakota | 35 | 25 | 40 | 6.20 | 2.90 | 6.50 |
| Texas | 5 | 2 | 4 | 5.00 | 6.00 | 7.00 |
| Vermont | 60 | 70 | 70 | 7.40 | 7.40 | 6.70 |
| Washington | 39 | 30 | 25 | 5.20 | 5.40 | 5.20 |
| Wisconsin | 1,250 | 1,100 | 1,050 | 7.00 | 6.20 | 5.60 |
| 18 State total | 2,927 | 2,770 | 2,846 | 7.00 | 6.35 | 6.49 |

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| California | 390 | 360 | 660 |
| Idaho | 1,063 | 1,020 | 813 |
| Illinois | 239 | 244 | 141 |
| Iowa | 494 | 650 | 666 |
| Kansas | 180 | 32 | 69 |
| Michigan | 1,775 | 1,386 | 1,998 |
| Minnesota | 2,059 | 1,680 | 1,853 |
| Missouri | 60 | 60 | 150 |
| Nebraska | 200 | 196 | 120 |
| New Mexico | 19 | 44 | 29 |
| New York | 2,485 | 2,257 | 2,600 |
| Ohio | 444 | 510 | 512 |
| Pennsylvania | 1,456 | 1,566 | 2,081 |
| South Dakota | 217 | 73 | 260 |
| Texas | 25 | 12 | 28 |
| Vermont | 444 | 518 | 469 |
| Washington | 203 | 162 | 130 |
| Wisconsin | 8,750 | 6,820 | 5,880 |
| 18 State total | 20,503 | 17,590 | 18,459 |

## New Seedings of Alfalfa and Alfalfa Mixtures – States and United States: 2011-2013

| State | Area seeded | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Arizona | 55 | 65 | 65 |
| Arkansas | 1 | 1 | 1 |
| California | 135 | 130 | 125 |
| Colorado | 95 | 70 | 85 |
| Connecticut | 1 | 1 | 1 |
| Delaware | 1 | 2 | 1 |
| Idaho | 130 | 140 | 125 |
| Illinois | 25 | 44 | 48 |
| Indiana | 35 | 40 | 35 |
| Iowa | 85 | 115 | 145 |
| Kansas | 85 | 80 | 65 |
| Kentucky | 25 | 27 | 32 |
| Maine | 1 | 2 | 2 |
| Maryland | 6 | 5 | 4 |
| Massachusetts | 1 | 1 | 1 |
| Michigan | 90 | 95 | 95 |
| Minnesota | 180 | 200 | 230 |
| Missouri | 30 | 30 | 50 |
| Montana | 80 | 85 | 100 |
| Nebraska | 120 | 120 | 140 |
| Nevada | 24 | 20 | 24 |
| New Hampshire | 1 | 1 | 1 |
| New Jersey | 2 | 3 | 2 |
| New Mexico | 22 | 30 | 15 |
| New York | 85 | 110 | 80 |
| North Carolina | 1 | 1 | 1 |
| North Dakota | 54 | 53 | 73 |
| Ohio | 45 | 65 | 45 |
| Oklahoma | 30 | 20 | 35 |
| Oregon | 50 | 58 | 30 |
| Pennsylvania | 70 | 90 | 80 |
| South Dakota | 130 | 100 | 110 |
| Tennessee | 5 | 2 | 2 |
| Texas | 10 | 10 | 20 |
| Utah | 70 | 55 | 90 |
| Vermont | 6 | 6 | 12 |
| Virginia | 14 | 10 | 10 |
| Washington | 55 | 70 | 50 |
| West Virginia | 4 | 2 | 2 |
| Wisconsin | 430 | 390 | 460 |
| Wyoming | 32 | 40 | 25 |
| United States | 2,321 | 2,389 | 2,517 |

## Peanut Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 170.0 | 220.0 | 140.0 | 166.0 | 219.0 | 138.0 |
| Florida | 170.0 | 210.0 | 140.0 | 157.0 | 195.0 | 130.0 |
| Georgia | 475.0 | 735.0 | 430.0 | 454.0 | 730.0 | 426.0 |
| Mississippi | 15.0 | 52.0 | 34.0 | 14.0 | 49.0 | 33.0 |
| New Mexico | 6.6 | 10.0 | 7.0 | 6.6 | 10.0 | 7.0 |
| North Carolina | 82.0 | 107.0 | 82.0 | 81.0 | 106.0 | 81.0 |
| Oklahoma | 24.0 | 24.0 | 17.0 | 21.0 | 22.0 | 16.0 |
| South Carolina | 77.0 | 110.0 | 81.0 | 73.0 | 107.0 | 78.0 |
| Texas | 105.0 | 150.0 | 120.0 | 93.0 | 146.0 | 117.0 |
| Virginia | 16.0 | 20.0 | 16.0 | 15.0 | 20.0 | 16.0 |
| United States | 1,140.6 | 1,638.0 | 1,067.0 | 1,080.6 | 1,604.0 | 1,042.0 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Alabama | 2,950 | 4,000 | 3,550 | 489,700 | 876,000 | 489,900 |
| Florida | 3,500 | 3,900 | 3,950 | 549,500 | 760,500 | 513,500 |
| Georgia | 3,625 | 4,580 | 4,430 | 1,645,750 | 3,343,400 | 1,887,180 |
| Mississippi | 4,000 | 4,400 | 3,500 | 56,000 | 215,600 | 115,500 |
| New Mexico | 3,000 | 2,600 | 3,300 | 19,800 | 26,000 | 23,100 |
| North Carolina | 3,600 | 4,100 | 3,900 | 291,600 | 434,600 | 315,900 |
| Oklahoma | 2,600 | 3,650 | 3,700 | 54,600 | 80,300 | 59,200 |
| South Carolina | 3,300 | 3,900 | 3,500 | 240,900 | 417,300 | 273,000 |
| Texas | 2,680 | 3,600 | 3,700 | 249,240 | 525,600 | 432,900 |
| Virginia | 4,100 | 4,200 | 4,000 | 61,500 | 84,000 | 64,000 |
| United States | 3,386 | 4,217 | 4,006 | 3,658,590 | 6,763,300 | 4,174,180 |

## Canola Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Idaho | 19.0 | 38.0 | 44.0 | 18.5 | 37.0 | 43.0 |
| Minnesota | 29.0 | 31.0 | 17.0 | 28.0 | 30.0 | 16.5 |
| Montana | 31.0 | 51.0 | 72.0 | 30.5 | 49.5 | 69.0 |
| North Dakota | 860.0 | 1,460.0 | 920.0 | 850.0 | 1,455.0 | 915.0 |
| Oklahoma | 100.0 | 140.0 | 205.0 | 85.0 | 115.0 | 149.0 |
| Oregon | 5.3 | 7.3 | 13.0 | 4.9 | 6.9 | 12.1 |
| Washington | 10.5 | 15.0 | 37.0 | 10.2 | 14.5 | 36.0 |
| Other States [1] | 16.7 | 22.7 | 40.0 | 15.9 | 21.1 | 23.9 |
| United States | 1,071.5 | 1,765.0 | 1,348.0 | 1,043.0 | 1,729.0 | 1,264.5 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Idaho | 2,100 | 1,800 | 1,850 | 38,850 | 66,600 | 79,550 |
| Minnesota | 1,400 | 1,470 | 1,950 | 39,200 | 44,100 | 32,175 |
| Montana | 1,370 | 1,240 | 1,540 | 41,785 | 61,380 | 106,260 |
| North Dakota | 1,500 | 1,400 | 1,820 | 1,275,000 | 2,037,000 | 1,665,300 |
| Oklahoma | 1,000 | 1,400 | 1,400 | 85,000 | 161,000 | 208,600 |
| Oregon | 3,050 | 2,200 | 1,600 | 14,945 | 15,180 | 19,360 |
| Washington | 1,900 | 1,900 | 1,700 | 19,380 | 27,550 | 61,200 |
| Other States [1] | 1,500 | 1,640 | 1,592 | 23,850 | 34,600 | 38,060 |
| United States | 1,475 | 1,416 | 1,748 | 1,538,010 | 2,447,410 | 2,210,505 |

[1] Other States include Colorado and Kansas.

## Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2011-2013

| Varietal type and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Oil** | | | | | | |
| California | 40.0 | 48.0 | 56.0 | 39.5 | 47.5 | 55.5 |
| Colorado | 110.0 | 75.0 | 50.0 | 97.0 | 61.0 | 39.0 |
| Kansas | 115.0 | 70.0 | 55.0 | 105.0 | 65.0 | 50.0 |
| Minnesota | 28.0 | 38.0 | 33.0 | 27.0 | 37.0 | 32.0 |
| Nebraska | 38.0 | 33.0 | 28.0 | 35.0 | 29.5 | 25.5 |
| North Dakota | 510.0 | 770.0 | 425.0 | 500.0 | 755.0 | 405.0 |
| Oklahoma | 4.5 | 4.0 | 3.0 | 3.9 | 3.8 | 2.9 |
| South Dakota | 415.0 | 580.0 | 560.0 | 403.0 | 560.0 | 540.0 |
| Texas | 29.0 | 40.0 | 69.0 | 23.0 | 33.0 | 60.0 |
| United States | 1,289.5 | 1,658.0 | 1,279.0 | 1,233.4 | 1,591.8 | 1,209.9 |
| **Non-oil** | | | | | | |
| California | 4.0 | 2.8 | 2.5 | 4.0 | 2.8 | 2.5 |
| Colorado | 18.0 | 11.0 | 17.0 | 16.0 | 9.0 | 16.0 |
| Kansas | 19.0 | 17.0 | 16.0 | 17.0 | 16.0 | 15.0 |
| Minnesota | 12.0 | 11.0 | 10.0 | 10.0 | 10.5 | 9.5 |
| Nebraska | 21.0 | 8.5 | 15.0 | 19.0 | 7.3 | 13.0 |
| North Dakota | 70.0 | 90.0 | 74.0 | 61.0 | 88.0 | 72.0 |
| Oklahoma | 0.5 | 0.7 | 2.0 | 0.4 | 0.6 | 1.7 |
| South Dakota | 70.0 | 65.0 | 115.0 | 64.0 | 63.0 | 110.0 |
| Texas | 39.0 | 55.0 | 45.0 | 33.0 | 52.0 | 25.0 |
| United States | 253.5 | 261.0 | 296.5 | 224.4 | 249.2 | 264.7 |
| **All** | | | | | | |
| California | 44.0 | 50.8 | 58.5 | 43.5 | 50.3 | 58.0 |
| Colorado | 128.0 | 86.0 | 67.0 | 113.0 | 70.0 | 55.0 |
| Kansas | 134.0 | 87.0 | 71.0 | 122.0 | 81.0 | 65.0 |
| Minnesota | 40.0 | 49.0 | 43.0 | 37.0 | 47.5 | 41.5 |
| Nebraska | 59.0 | 41.5 | 43.0 | 54.0 | 36.8 | 38.5 |
| North Dakota | 580.0 | 860.0 | 499.0 | 561.0 | 843.0 | 477.0 |
| Oklahoma | 5.0 | 4.7 | 5.0 | 4.3 | 4.4 | 4.6 |
| South Dakota | 485.0 | 645.0 | 675.0 | 467.0 | 623.0 | 650.0 |
| Texas | 68.0 | 95.0 | 114.0 | 56.0 | 85.0 | 85.0 |
| United States | 1,543.0 | 1,919.0 | 1,575.5 | 1,457.8 | 1,841.0 | 1,474.6 |

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## Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2011-2013 (continued)

| Varietal type and State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| **Oil** | | | | | | |
| California | 1,000 | 1,300 | 1,300 | 39,500 | 61,750 | 72,150 |
| Colorado | 1,000 | 680 | 800 | 97,000 | 41,480 | 31,200 |
| Kansas | 1,180 | 900 | 1,160 | 123,900 | 58,500 | 58,000 |
| Minnesota | 1,300 | 1,700 | 1,600 | 35,100 | 62,900 | 51,200 |
| Nebraska | 1,300 | 700 | 850 | 45,500 | 20,650 | 21,675 |
| North Dakota | 1,380 | 1,750 | 1,260 | 690,000 | 1,321,250 | 510,300 |
| Oklahoma | 1,250 | 1,100 | 1,200 | 4,875 | 4,180 | 3,480 |
| South Dakota | 1,650 | 1,410 | 1,520 | 664,950 | 789,600 | 820,800 |
| Texas | 950 | 1,200 | 1,300 | 21,850 | 39,600 | 78,000 |
| United States | 1,397 | 1,508 | 1,361 | 1,722,675 | 2,399,910 | 1,646,805 |
| **Non-oil** | | | | | | |
| California | 1,200 | 1,200 | 1,200 | 4,800 | 3,360 | 3,000 |
| Colorado | 1,700 | 1,520 | 1,000 | 27,200 | 13,680 | 16,000 |
| Kansas | 1,500 | 1,700 | 1,600 | 25,500 | 27,200 | 24,000 |
| Minnesota | 1,100 | 1,950 | 1,900 | 11,000 | 20,475 | 18,050 |
| Nebraska | 1,600 | 900 | 1,000 | 30,400 | 6,570 | 13,000 |
| North Dakota | 1,250 | 1,580 | 1,360 | 76,250 | 139,040 | 97,920 |
| Oklahoma | 1,000 | 1,000 | 1,000 | 400 | 600 | 1,700 |
| South Dakota | 1,750 | 1,620 | 1,600 | 112,000 | 102,060 | 176,000 |
| Texas | 850 | 1,400 | 1,450 | 28,050 | 72,800 | 36,250 |
| United States | 1,406 | 1,548 | 1,458 | 315,600 | 385,785 | 385,920 |
| **All** | | | | | | |
| California | 1,018 | 1,294 | 1,296 | 44,300 | 65,110 | 75,150 |
| Colorado | 1,099 | 788 | 858 | 124,200 | 55,160 | 47,200 |
| Kansas | 1,225 | 1,058 | 1,262 | 149,400 | 85,700 | 82,000 |
| Minnesota | 1,246 | 1,755 | 1,669 | 46,100 | 83,375 | 69,250 |
| Nebraska | 1,406 | 740 | 901 | 75,900 | 27,220 | 34,675 |
| North Dakota | 1,366 | 1,732 | 1,275 | 766,250 | 1,460,290 | 608,220 |
| Oklahoma | 1,227 | 1,086 | 1,126 | 5,275 | 4,780 | 5,180 |
| South Dakota | 1,664 | 1,431 | 1,534 | 776,950 | 891,660 | 996,800 |
| Texas | 891 | 1,322 | 1,344 | 49,900 | 112,400 | 114,250 |
| United States | 1,398 | 1,513 | 1,378 | 2,038,275 | 2,785,695 | 2,032,725 |

## Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 300 | 340 | 435 | 295 | 335 | 425 |
| Arkansas | 3,330 | 3,200 | 3,260 | 3,280 | 3,160 | 3,230 |
| Delaware | 170 | 170 | 165 | 168 | 168 | 163 |
| Florida | 18 | 21 | 32 | 16 | 20 | 30 |
| Georgia | 155 | 220 | 230 | 135 | 215 | 225 |
| Illinois | 8,950 | 9,050 | 9,450 | 8,910 | 8,930 | 9,420 |
| Indiana | 5,300 | 5,150 | 5,200 | 5,290 | 5,140 | 5,190 |
| Iowa | 9,350 | 9,350 | 9,300 | 9,230 | 9,310 | 9,240 |
| Kansas | 4,000 | 4,000 | 3,600 | 3,760 | 3,810 | 3,540 |
| Kentucky | 1,490 | 1,480 | 1,650 | 1,480 | 1,470 | 1,640 |
| Louisiana | 1,020 | 1,130 | 1,120 | 980 | 1,115 | 1,110 |
| Maryland | 470 | 480 | 480 | 465 | 475 | 475 |
| Michigan | 1,950 | 2,000 | 1,900 | 1,940 | 1,990 | 1,890 |
| Minnesota | 7,100 | 7,050 | 6,700 | 7,040 | 7,000 | 6,620 |
| Mississippi | 1,830 | 1,970 | 2,010 | 1,800 | 1,950 | 1,990 |
| Missouri | 5,350 | 5,400 | 5,600 | 5,210 | 5,270 | 5,550 |
| Nebraska | 4,900 | 5,050 | 4,800 | 4,840 | 4,990 | 4,760 |
| New Jersey | 88 | 96 | 89 | 86 | 94 | 87 |
| New York | 280 | 315 | 280 | 277 | 312 | 278 |
| North Carolina | 1,380 | 1,590 | 1,460 | 1,360 | 1,580 | 1,420 |
| North Dakota | 4,000 | 4,750 | 4,650 | 3,960 | 4,730 | 4,620 |
| Ohio | 4,550 | 4,600 | 4,450 | 4,540 | 4,590 | 4,430 |
| Oklahoma | 440 | 420 | 345 | 265 | 260 | 335 |
| Pennsylvania | 500 | 530 | 540 | 490 | 520 | 535 |
| South Carolina | 370 | 380 | 320 | 360 | 370 | 310 |
| South Dakota | 4,100 | 4,750 | 4,600 | 4,070 | 4,720 | 4,580 |
| Tennessee | 1,290 | 1,260 | 1,560 | 1,260 | 1,230 | 1,520 |
| Texas | 165 | 125 | 105 | 90 | 110 | 95 |
| Virginia | 560 | 590 | 600 | 550 | 580 | 590 |
| West Virginia | 20 | 21 | 22 | 19 | 20 | 21 |
| Wisconsin | 1,620 | 1,710 | 1,580 | 1,610 | 1,700 | 1,550 |
| United States | 75,046 | 77,198 | 76,533 | 73,776 | 76,164 | 75,869 |

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## Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Alabama | 33.0 | 45.0 | 43.0 | 9,735 | 15,075 | 18,275 |
| Arkansas | 38.5 | 43.0 | 43.5 | 126,280 | 135,880 | 140,505 |
| Delaware | 39.5 | 42.5 | 40.0 | 6,636 | 7,140 | 6,520 |
| Florida | 27.0 | 39.0 | 41.0 | 432 | 780 | 1,230 |
| Georgia | 22.0 | 37.5 | 40.0 | 2,970 | 8,063 | 9,000 |
| Illinois | 47.5 | 43.0 | 49.0 | 423,225 | 383,990 | 461,580 |
| Indiana | 45.5 | 44.0 | 51.0 | 240,695 | 226,160 | 264,690 |
| Iowa | 51.5 | 44.5 | 44.5 | 475,345 | 414,295 | 411,180 |
| Kansas | 27.0 | 22.5 | 36.0 | 101,520 | 85,725 | 127,440 |
| Kentucky | 39.0 | 40.0 | 49.5 | 57,720 | 58,800 | 81,180 |
| Louisiana | 36.0 | 46.0 | 48.0 | 35,280 | 51,290 | 53,280 |
| Maryland | 39.0 | 47.0 | 39.0 | 18,135 | 22,325 | 18,525 |
| Michigan | 44.0 | 43.0 | 44.0 | 85,360 | 85,570 | 83,160 |
| Minnesota | 39.0 | 43.5 | 41.0 | 274,560 | 304,500 | 271,420 |
| Mississippi | 39.0 | 45.0 | 45.0 | 70,200 | 87,750 | 89,550 |
| Missouri | 36.5 | 30.0 | 35.5 | 190,165 | 158,100 | 197,025 |
| Nebraska | 54.0 | 41.5 | 53.0 | 261,360 | 207,085 | 252,280 |
| New Jersey | 38.0 | 39.0 | 39.0 | 3,268 | 3,666 | 3,393 |
| New York | 43.0 | 46.0 | 48.0 | 11,911 | 14,352 | 13,344 |
| North Carolina | 30.5 | 39.5 | 33.0 | 41,480 | 62,410 | 46,860 |
| North Dakota | 29.0 | 34.5 | 30.0 | 114,840 | 163,185 | 138,600 |
| Ohio | 48.0 | 45.0 | 49.0 | 217,920 | 206,550 | 217,070 |
| Oklahoma | 13.0 | 15.0 | 30.0 | 3,445 | 3,900 | 10,050 |
| Pennsylvania | 44.0 | 48.0 | 49.0 | 21,560 | 24,960 | 26,215 |
| South Carolina | 25.5 | 34.0 | 28.0 | 9,180 | 12,580 | 8,680 |
| South Dakota | 37.0 | 30.5 | 40.0 | 150,590 | 143,960 | 183,200 |
| Tennessee | 32.0 | 38.0 | 46.0 | 40,320 | 46,740 | 69,920 |
| Texas | 19.0 | 26.0 | 25.0 | 1,710 | 2,860 | 2,375 |
| Virginia | 40.0 | 42.0 | 38.0 | 22,000 | 24,360 | 22,420 |
| West Virginia | 43.0 | 49.0 | 46.0 | 817 | 980 | 966 |
| Wisconsin | 46.5 | 41.5 | 38.0 | 74,865 | 70,550 | 58,900 |
| United States | 41.9 | 39.8 | 43.3 | 3,093,524 | 3,033,581 | 3,288,833 |

## Soybean Objective Yield Data

The National Agricultural Statistics Service conducted an objective yield survey in 11 soybean producing States during 2013. Randomly selected plots in soybean fields were visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are actual field counts from this survey.

### Soybean Pods with Beans per 18 Square Feet – Selected States: 2009-2013

| State and month | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| | (number) | (number) | (number) | (number) | (number) |
| **Arkansas** [1] | | | | | |
| September | (NA) | (NA) | (NA) | (NA) | (NA) |
| October | 1,785 | 1,591 | 1,434 | 1,574 | (NA) |
| November | 1,794 | 1,805 | 1,607 | 1,570 | 1,864 |
| Final | 1,865 | 1,833 | 1,597 | 1,590 | 1,734 |
| **Illinois** | | | | | |
| September | 1,610 | 1,970 | 1,983 | 1,466 | 1,682 |
| October | 1,672 | 2,090 | 1,933 | 1,359 | (NA) |
| November | 1,676 | 2,096 | 1,931 | 1,382 | 1,713 |
| Final | 1,687 | 2,096 | 1,931 | 1,377 | 1,697 |
| **Indiana** | | | | | |
| September | 1,516 | 1,878 | 1,607 | 1,388 | 1,638 |
| October | 1,525 | 1,852 | 1,606 | 1,390 | (NA) |
| November | 1,583 | 1,879 | 1,635 | 1,396 | 1,696 |
| Final | 1,594 | 1,879 | 1,635 | 1,396 | 1,705 |
| **Iowa** | | | | | |
| September | 1,858 | 2,009 | 1,944 | 1,512 | 1,414 |
| October | 1,878 | 2,046 | 1,941 | 1,636 | (NA) |
| November | 1,868 | 2,054 | 1,996 | 1,630 | 1,538 |
| Final | 1,879 | 2,054 | 2,002 | 1,630 | 1,531 |
| **Kansas** | | | | | |
| September | 1,627 | 1,402 | 1,488 | 1,038 | 1,295 |
| October | 1,759 | 1,392 | 1,466 | 1,039 | (NA) |
| November | 1,784 | 1,427 | 1,375 | 1,092 | 1,319 |
| Final | 1,768 | 1,429 | 1,375 | 1,092 | 1,360 |
| **Minnesota** | | | | | |
| September | 1,456 | 1,679 | 1,670 | 1,587 | 1,433 |
| October | 1,542 | 1,741 | 1,705 | 1,606 | (NA) |
| November | 1,611 | 1,783 | 1,678 | 1,605 | 1,400 |
| Final | 1,581 | 1,783 | 1,678 | 1,614 | 1,418 |
| **Missouri** | | | | | |
| September | 1,856 | 1,924 | 1,957 | 1,347 | 1,528 |
| October | 1,983 | 1,899 | 1,781 | 1,205 | (NA) |
| November | 2,083 | 1,986 | 1,836 | 1,274 | 1,522 |
| Final | 2,122 | 1,993 | 1,797 | 1,271 | 1,500 |
| **Nebraska** | | | | | |
| September | 1,793 | 1,906 | 2,032 | 1,406 | 1,671 |
| October | 1,878 | 2,109 | 2,075 | 1,509 | (NA) |
| November | 1,868 | 2,121 | 2,141 | 1,516 | 1,801 |
| Final | 1,868 | 2,121 | 2,141 | 1,516 | 1,801 |
| **North Dakota** | | | | | |
| September | 1,208 | 1,375 | 1,337 | 1,308 | 1,275 |
| October | 1,236 | 1,416 | 1,382 | 1,326 | (NA) |
| November | 1,317 | 1,510 | 1,381 | 1,326 | 1,336 |
| Final | 1,318 | 1,510 | 1,381 | 1,326 | 1,336 |
| **Ohio** | | | | | |
| September | 1,846 | 1,991 | 1,882 | 1,674 | 1,889 |
| October | 1,769 | 2,012 | 1,850 | 1,708 | (NA) |
| November | 1,757 | 2,022 | 1,893 | 1,747 | 1,780 |
| Final | 1,712 | 2,022 | 1,892 | 1,746 | 1,799 |
| **South Dakota** | | | | | |
| September | 1,513 | 1,527 | 1,652 | 1,171 | 1,508 |
| October | 1,642 | 1,622 | 1,492 | 1,142 | (NA) |
| November | 1,683 | 1,605 | 1,530 | 1,127 | 1,543 |
| Final | 1,682 | 1,605 | 1,530 | 1,127 | 1,489 |

(NA) Not available.
[1] September data not available due to plant immaturity.

## Flaxseed Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Minnesota | 3 | 3 | 4 | 3 | 3 | 4 |
| Montana | 17 | 18 | 20 | 16 | 13 | 16 |
| North Dakota | 150 | 315 | 150 | 147 | 310 | 146 |
| South Dakota | 8 | 8 | 7 | 7 | 7 | 6 |
| United States | 178 | 344 | 181 | 173 | 333 | 172 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (bushels) | (bushels) | (bushels) | (1,000 bushels) | (1,000 bushels) | (1,000 bushels) |
| Minnesota | 15.0 | 16.0 | 19.0 | 45 | 48 | 76 |
| Montana | 13.0 | 9.0 | 15.0 | 208 | 117 | 240 |
| North Dakota | 16.5 | 17.5 | 20.0 | 2,426 | 5,425 | 2,920 |
| South Dakota | 16.0 | 17.0 | 20.0 | 112 | 119 | 120 |
| United States | 16.1 | 17.1 | 19.5 | 2,791 | 5,709 | 3,356 |

## Safflower Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| California | 57.0 | 53.0 | 50.0 | 56.0 | 52.5 | 49.5 |
| Montana | 14.0 | 27.0 | 35.0 | 13.8 | 25.8 | 34.3 |
| North Dakota | 3.0 | 14.5 | 15.5 | 2.9 | 14.2 | 15.0 |
| Utah | 27.0 | 28.0 | 27.0 | 26.0 | 23.0 | 26.0 |
| Other States [1] | 29.7 | 47.3 | 48.0 | 28.6 | 44.6 | 45.2 |
| United States | 130.7 | 169.8 | 175.5 | 127.3 | 160.1 | 170.0 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| California | 1,900 | 2,100 | 2,000 | 106,400 | 110,250 | 99,000 |
| Montana | 850 | 720 | 1,110 | 11,730 | 18,576 | 38,073 |
| North Dakota | 850 | 1,200 | 1,200 | 2,465 | 17,040 | 18,000 |
| Utah | 880 | 400 | 570 | 22,880 | 9,200 | 14,820 |
| Other States [1] | 916 | 546 | 875 | 26,196 | 24,358 | 39,568 |
| United States | 1,333 | 1,121 | 1,232 | 169,671 | 179,424 | 209,461 |

[1] Other States include Colorado, Idaho, and South Dakota.

## Other Oilseed Area Planted and Harvested, Yield, and Production by Crop – United States: 2011-2013

| Crop | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Rapeseed [1] | 1.5 | 2.3 | 1.7 | 1.3 | 2.2 | 1.7 |
| Mustard seed [2] | 23.2 | 51.1 | 45.0 | 21.8 | 49.7 | 43.4 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Rapeseed [1] | 2,177 | 2,218 | 1,141 | 2,830 | 4,880 | 1,940 |
| Mustard seed [2] | 718 | 602 | 846 | 15,644 | 29,930 | 36,727 |

[1] Rapeseed program States include Idaho, Minnesota, Oregon, and Washington.
[2] Mustard seed program States include Idaho, Montana, North Dakota, Oregon, and Washington.

## Cotton Area Planted and Harvested, Yield, and Production by Type – States and United States: 2011-2013

| Type and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Upland** | | | | | | |
| Alabama | 460.0 | 380.0 | 365.0 | 443.0 | 378.0 | 362.0 |
| Arizona | 250.0 | 200.0 | 160.0 | 248.0 | 197.0 | 159.0 |
| Arkansas | 680.0 | 595.0 | 310.0 | 660.0 | 585.0 | 305.0 |
| California | 182.0 | 142.0 | 93.0 | 181.0 | 141.0 | 92.0 |
| Florida | 122.0 | 108.0 | 131.0 | 118.0 | 107.0 | 128.0 |
| Georgia | 1,600.0 | 1,290.0 | 1,370.0 | 1,495.0 | 1,280.0 | 1,355.0 |
| Kansas | 80.0 | 56.0 | 27.0 | 65.0 | 54.0 | 26.0 |
| Louisiana | 295.0 | 230.0 | 130.0 | 290.0 | 225.0 | 125.0 |
| Mississippi | 630.0 | 475.0 | 290.0 | 605.0 | 470.0 | 285.0 |
| Missouri | 375.0 | 350.0 | 255.0 | 367.0 | 330.0 | 246.0 |
| New Mexico | 70.0 | 45.0 | 39.0 | 58.0 | 38.0 | 33.0 |
| North Carolina | 805.0 | 585.0 | 465.0 | 800.0 | 580.0 | 460.0 |
| Oklahoma | 415.0 | 305.0 | 185.0 | 70.0 | 140.0 | 125.0 |
| South Carolina | 303.0 | 299.0 | 258.0 | 301.0 | 298.0 | 254.0 |
| Tennessee | 495.0 | 380.0 | 250.0 | 490.0 | 377.0 | 233.0 |
| Texas | 7,550.0 | 6,550.0 | 5,800.0 | 2,850.0 | 3,850.0 | 3,200.0 |
| Virginia | 116.0 | 86.0 | 78.0 | 115.0 | 85.0 | 77.0 |
| United States | 14,428.0 | 12,076.0 | 10,206.0 | 9,156.0 | 9,135.0 | 7,465.0 |
| **American Pima** | | | | | | |
| Arizona | 10.0 | 3.0 | 1.5 | 10.0 | 3.0 | 1.5 |
| California | 274.0 | 225.0 | 187.0 | 273.0 | 224.0 | 186.0 |
| New Mexico | 3.4 | 2.4 | 3.5 | 3.4 | 2.3 | 3.4 |
| Texas | 20.0 | 8.0 | 9.0 | 18.5 | 7.5 | 8.5 |
| United States | 307.4 | 238.4 | 201.0 | 304.9 | 236.8 | 199.4 |
| **All** | | | | | | |
| Alabama | 460.0 | 380.0 | 365.0 | 443.0 | 378.0 | 362.0 |
| Arizona | 260.0 | 203.0 | 161.5 | 258.0 | 200.0 | 160.5 |
| Arkansas | 680.0 | 595.0 | 310.0 | 660.0 | 585.0 | 305.0 |
| California | 456.0 | 367.0 | 280.0 | 454.0 | 365.0 | 278.0 |
| Florida | 122.0 | 108.0 | 131.0 | 118.0 | 107.0 | 128.0 |
| Georgia | 1,600.0 | 1,290.0 | 1,370.0 | 1,495.0 | 1,280.0 | 1,355.0 |
| Kansas | 80.0 | 56.0 | 27.0 | 65.0 | 54.0 | 26.0 |
| Louisiana | 295.0 | 230.0 | 130.0 | 290.0 | 225.0 | 125.0 |
| Mississippi | 630.0 | 475.0 | 290.0 | 605.0 | 470.0 | 285.0 |
| Missouri | 375.0 | 350.0 | 255.0 | 367.0 | 330.0 | 246.0 |
| New Mexico | 73.4 | 47.4 | 42.5 | 61.4 | 40.3 | 36.4 |
| North Carolina | 805.0 | 585.0 | 465.0 | 800.0 | 580.0 | 460.0 |
| Oklahoma | 415.0 | 305.0 | 185.0 | 70.0 | 140.0 | 125.0 |
| South Carolina | 303.0 | 299.0 | 258.0 | 301.0 | 298.0 | 254.0 |
| Tennessee | 495.0 | 380.0 | 250.0 | 490.0 | 377.0 | 233.0 |
| Texas | 7,570.0 | 6,558.0 | 5,809.0 | 2,868.5 | 3,857.5 | 3,208.5 |
| Virginia | 116.0 | 86.0 | 78.0 | 115.0 | 85.0 | 77.0 |
| United States | 14,735.4 | 12,314.4 | 10,407.0 | 9,460.9 | 9,371.8 | 7,664.4 |

See footnote(s) at end of table.

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## Cotton Area Planted and Harvested, Yield, and Production by Type – States and United States: 2011-2013 (continued)

| Type and State | Yield per acre | | | Production [1] | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 bales) [2] | (1,000 bales) [2] | (1,000 bales) [2] |
| **Upland** | | | | | | |
| Alabama | 742 | 946 | 736 | 685.0 | 745.0 | 555.0 |
| Arizona | 1,548 | 1,474 | 1,449 | 800.0 | 605.0 | 480.0 |
| Arkansas | 929 | 1,064 | 1,149 | 1,277.0 | 1,297.0 | 730.0 |
| California | 1,474 | 1,729 | 1,643 | 556.0 | 508.0 | 315.0 |
| Florida | 744 | 897 | 750 | 183.0 | 200.0 | 200.0 |
| Georgia | 791 | 1,091 | 850 | 2,465.0 | 2,910.0 | 2,400.0 |
| Kansas | 510 | 622 | 720 | 69.0 | 70.0 | 39.0 |
| Louisiana | 846 | 1,020 | 1,248 | 511.0 | 478.0 | 325.0 |
| Mississippi | 952 | 1,014 | 1,229 | 1,200.0 | 993.0 | 730.0 |
| Missouri | 969 | 1,063 | 956 | 741.0 | 731.0 | 490.0 |
| New Mexico | 1,059 | 1,061 | 1,091 | 128.0 | 84.0 | 75.0 |
| North Carolina | 616 | 1,014 | 819 | 1,026.0 | 1,225.0 | 785.0 |
| Oklahoma | 597 | 531 | 730 | 87.0 | 155.0 | 190.0 |
| South Carolina | 828 | 955 | 680 | 519.0 | 593.0 | 360.0 |
| Tennessee | 796 | 946 | 871 | 813.0 | 743.0 | 423.0 |
| Texas | 589 | 623 | 645 | 3,500.0 | 5,000.0 | 4,300.0 |
| Virginia | 676 | 1,118 | 960 | 162.0 | 198.0 | 154.0 |
| United States | 772 | 869 | 807 | 14,722.0 | 16,535.0 | 12,551.0 |
| **American Pima** | | | | | | |
| Arizona | 960 | 1,168 | 1,184 | 20.0 | 7.3 | 3.7 |
| California | 1,380 | 1,614 | 1,574 | 785.0 | 753.0 | 610.0 |
| New Mexico | 875 | 1,043 | 847 | 6.2 | 5.0 | 6.0 |
| Texas | 1,038 | 928 | 904 | 40.0 | 14.5 | 16.0 |
| United States | 1,340 | 1,581 | 1,530 | 851.2 | 779.8 | 635.7 |
| **All** | | | | | | |
| Alabama | 742 | 946 | 736 | 685.0 | 745.0 | 555.0 |
| Arizona | 1,526 | 1,470 | 1,447 | 820.0 | 612.3 | 483.7 |
| Arkansas | 929 | 1,064 | 1,149 | 1,277.0 | 1,297.0 | 730.0 |
| California | 1,418 | 1,658 | 1,597 | 1,341.0 | 1,261.0 | 925.0 |
| Florida | 744 | 897 | 750 | 183.0 | 200.0 | 200.0 |
| Georgia | 791 | 1,091 | 850 | 2,465.0 | 2,910.0 | 2,400.0 |
| Kansas | 510 | 622 | 720 | 69.0 | 70.0 | 39.0 |
| Louisiana | 846 | 1,020 | 1,248 | 511.0 | 478.0 | 325.0 |
| Mississippi | 952 | 1,014 | 1,229 | 1,200.0 | 993.0 | 730.0 |
| Missouri | 969 | 1,063 | 956 | 741.0 | 731.0 | 490.0 |
| New Mexico | 1,049 | 1,060 | 1,068 | 134.2 | 89.0 | 81.0 |
| North Carolina | 616 | 1,014 | 819 | 1,026.0 | 1,225.0 | 785.0 |
| Oklahoma | 597 | 531 | 730 | 87.0 | 155.0 | 190.0 |
| South Carolina | 828 | 955 | 680 | 519.0 | 593.0 | 360.0 |
| Tennessee | 796 | 946 | 871 | 813.0 | 743.0 | 423.0 |
| Texas | 592 | 624 | 646 | 3,540.0 | 5,014.5 | 4,316.0 |
| Virginia | 676 | 1,118 | 960 | 162.0 | 198.0 | 154.0 |
| United States | 790 | 887 | 826 | 15,573.2 | 17,314.8 | 13,186.7 |

[1] Production ginned and to be ginned.
[2] 480-pound net weight bale.

## Cottonseed Production – States and United States: 2011-2013

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 [1] |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| Alabama | 215.0 | 227.0 | 172.0 |
| Arizona | 299.0 | 205.0 | 170.0 |
| Arkansas | 437.0 | 450.0 | 251.0 |
| California | 565.0 | 469.0 | 364.0 |
| Florida | 53.0 | 61.0 | 58.0 |
| Georgia | 756.0 | 875.0 | 736.0 |
| Kansas | 26.0 | 25.0 | 14.0 |
| Louisiana | 166.0 | 158.0 | 105.0 |
| Mississippi | 421.0 | 335.0 | 251.0 |
| Missouri | 341.0 | 256.0 | 187.0 |
| New Mexico | 45.0 | 31.0 | 27.0 |
| North Carolina | 313.0 | 379.0 | 240.0 |
| Oklahoma | 31.0 | 54.0 | 66.0 |
| South Carolina | 154.0 | 175.0 | 110.0 |
| Tennessee | 272.0 | 239.0 | 141.0 |
| Texas | 1,228.0 | 1,669.0 | 1,468.0 |
| Virginia | 48.0 | 58.0 | 46.0 |
| United States | 5,370.0 | 5,666.0 | 4,406.0 |

[1] Estimates based on 3-year average lint-seed ratio.

## Tobacco Area Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (acres) | (acres) | (acres) | (pounds) | (pounds) | (pounds) |
| Connecticut | 2,070 | (D) | (D) | 1,461 | (D) | (D) |
| Georgia | 11,900 | 10,000 | 12,800 | 2,250 | 2,250 | 1,750 |
| Kentucky | 77,500 | 87,200 | 87,200 | 2,221 | 2,245 | 2,147 |
| Massachusetts | 570 | (D) | (D) | 1,570 | (D) | (D) |
| North Carolina | 162,300 | 166,100 | 181,900 | 1,550 | 2,295 | 1,994 |
| Ohio | 1,600 | 1,900 | 2,100 | 2,100 | 2,100 | 2,200 |
| Pennsylvania | 9,700 | 9,600 | 8,900 | 2,129 | 2,394 | 2,389 |
| South Carolina | 15,500 | 12,000 | 14,500 | 1,700 | 2,100 | 1,700 |
| Tennessee | 22,000 | 23,900 | 21,400 | 2,062 | 2,218 | 2,083 |
| Virginia | 21,900 | 23,080 | 24,250 | 2,197 | 2,322 | 2,170 |
| Other States [1] | (X) | 2,465 | 2,625 | (X) | 1,803 | 1,560 |
| United States | 325,040 | 336,245 | 355,675 | 1,841 | 2,268 | 2,036 |

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Connecticut | 3,024 | (D) | (D) |
| Georgia | 26,775 | 22,500 | 22,400 |
| Kentucky | 172,140 | 195,800 | 187,240 |
| Massachusetts | 895 | (D) | (D) |
| North Carolina | 251,565 | 381,190 | 362,660 |
| Ohio | 3,360 | 3,990 | 4,620 |
| Pennsylvania | 20,655 | 22,985 | 21,260 |
| South Carolina | 26,350 | 25,200 | 24,650 |
| Tennessee | 45,363 | 53,000 | 44,570 |
| Virginia | 48,125 | 53,599 | 52,613 |
| Other States [1] | (X) | 4,445 | 4,095 |
| United States | 598,252 | 762,709 | 724,108 |

(D) Withheld to avoid disclosing data for individual operations.
(X) Not applicable.
[1] Includes data withheld above.

## Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2011-2013

| Class, type, and State | Area harvested | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (acres) | (acres) | (acres) |
| **Class 1, Flue-cured (11-14)** | | | |
| Georgia | 11,900 | 10,000 | 12,800 |
| North Carolina | 160,000 | 164,000 | 180,000 |
| South Carolina | 15,500 | 12,000 | 14,500 |
| Virginia | 19,500 | 20,000 | 21,500 |
| United States | 206,900 | 206,000 | 228,800 |
| **Class 2, Fire-cured (21-23)** | | | |
| Kentucky | 9,100 | 9,000 | 9,000 |
| Tennessee | 6,900 | 6,900 | 6,900 |
| Virginia | 400 | 380 | 350 |
| United States | 16,400 | 16,280 | 16,250 |
| **Class 3A, Light air-cured** | | | |
| Type 31, Burley | | | |
| Kentucky | 64,000 | 74,000 | 74,000 |
| North Carolina | 2,300 | 2,100 | 1,900 |
| Ohio | 1,600 | 1,900 | 2,100 |
| Pennsylvania | 5,000 | 4,700 | 5,100 |
| Tennessee | 14,000 | 16,000 | 13,500 |
| Virginia | 2,000 | 2,700 | 2,400 |
| United States | 88,900 | 101,400 | 99,000 |
| Type 32, Southern Maryland | | | |
| Pennsylvania | 3,000 | 2,900 | 2,000 |
| **Total light air-cured (31-32)** | 91,900 | 104,300 | 101,000 |
| **Class 3B, Dark air-cured (35-37)** | | | |
| Kentucky | 4,400 | 4,200 | 4,200 |
| Tennessee | 1,100 | 1,000 | 1,000 |
| United States | 5,500 | 5,200 | 5,200 |
| **Class 4, Cigar filler** | | | |
| Type 41, Pennsylvania Seedleaf | | | |
| Pennsylvania | 1,700 | 2,000 | 1,800 |
| **Class 5, Cigar binder** | | | |
| Type 51, Connecticut Valley Broadleaf | | | |
| Connecticut | 1,350 | (D) | (D) |
| Massachusetts | 440 | (D) | (D) |
| United States | 1,790 | (D) | (D) |
| **Class 6, Cigar wrapper** | | | |
| Type 61, Connecticut Valley Shade-grown | | | |
| Connecticut | 720 | (D) | (D) |
| Massachusetts | 130 | (D) | (D) |
| United States | 850 | (D) | (D) |
| **Other cigar types (51-61)** | 2,640 | 2,465 | 2,625 |
| **Total cigar types (41-61)** | 4,340 | 4,465 | 4,425 |
| **All Tobacco** | | | |
| United States | 325,040 | 336,245 | 355,675 |

See footnote(s) at end of table.

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## Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2011-2013 (continued)

| Class, type, and State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| **Class 1, Flue-cured (11-14)** | | | | | | |
| Georgia | 2,250 | 2,250 | 1,750 | 26,775 | 22,500 | 22,400 |
| North Carolina | 1,550 | 2,300 | 2,000 | 248,000 | 377,200 | 360,000 |
| South Carolina | 1,700 | 2,100 | 1,700 | 26,350 | 25,200 | 24,650 |
| Virginia | 2,230 | 2,400 | 2,200 | 43,485 | 48,000 | 47,300 |
| United States | 1,666 | 2,296 | 1,986 | 344,610 | 472,900 | 454,350 |
| **Class 2, Fire-cured (21-23)** | | | | | | |
| Kentucky | 3,400 | 3,500 | 3,100 | 30,940 | 31,500 | 27,900 |
| Tennessee | 2,890 | 3,100 | 3,150 | 19,941 | 21,390 | 21,735 |
| Virginia | 2,100 | 2,300 | 2,150 | 840 | 874 | 753 |
| United States | 3,154 | 3,302 | 3,101 | 51,721 | 53,764 | 50,388 |
| **Class 3A, Light air-cured** | | | | | | |
| Type 31, Burley | | | | | | |
| Kentucky | 2,000 | 2,050 | 2,000 | 128,000 | 151,700 | 148,000 |
| North Carolina | 1,550 | 1,900 | 1,400 | 3,565 | 3,990 | 2,660 |
| Ohio | 2,100 | 2,100 | 2,200 | 3,360 | 3,990 | 4,620 |
| Pennsylvania | 2,200 | 2,450 | 2,400 | 11,000 | 11,515 | 12,240 |
| Tennessee | 1,610 | 1,810 | 1,510 | 22,540 | 28,960 | 20,385 |
| Virginia | 1,900 | 1,750 | 1,900 | 3,800 | 4,725 | 4,560 |
| United States | 1,938 | 2,021 | 1,944 | 172,265 | 204,880 | 192,465 |
| Type 32, Southern Maryland Belt | | | | | | |
| Pennsylvania | 2,000 | 2,300 | 2,350 | 6,000 | 6,670 | 4,700 |
| **Total light air-cured (31-32)** | 1,940 | 2,028 | 1,952 | 178,265 | 211,550 | 197,165 |
| **Class 3B, Dark air-cured (35-37)** | | | | | | |
| Kentucky | 3,000 | 3,000 | 2,700 | 13,200 | 12,600 | 11,340 |
| Tennessee | 2,620 | 2,650 | 2,450 | 2,882 | 2,650 | 2,450 |
| United States | 2,924 | 2,933 | 2,652 | 16,082 | 15,250 | 13,790 |
| **Class 4, Cigar filler** | | | | | | |
| Type 41, Pennsylvania Seedleaf | | | | | | |
| Pennsylvania | 2,150 | 2,400 | 2,400 | 3,655 | 4,800 | 4,320 |
| **Class 5, Cigar binder** | | | | | | |
| Type 51 Connecticut Valley Broadleaf | | | | | | |
| Connecticut | 1,600 | (D) | (D) | 2,160 | (D) | (D) |
| Massachusetts | 1,680 | (D) | (D) | 739 | (D) | (D) |
| United States | 1,620 | (D) | (D) | 2,899 | (D) | (D) |
| **Class 6, Cigar wrapper** | | | | | | |
| Type 61, Connecticut Valley Shade-grown | | | | | | |
| Connecticut | 1,200 | (D) | (D) | 864 | (D) | (D) |
| Massachusetts | 1,200 | (D) | (D) | 156 | (D) | (D) |
| United States | 1,200 | (D) | (D) | 1,020 | (D) | (D) |
| **Other cigar types (51-61)** | 1,484 | 1,803 | 1,560 | 3,919 | 4,445 | 4,095 |
| **Total cigar types (41-61)** | 1,745 | 2,071 | 1,902 | 7,574 | 9,245 | 8,415 |
| **All tobacco** | | | | | | |
| United States | 1,841 | 2,268 | 2,036 | 598,252 | 762,709 | 724,108 |

(D) Withheld to avoid disclosing data for individual operations.

## Sugarbeet Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

[Relates to year of intended harvest in all States except California]

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| California [1] | 25.2 | 24.5 | 24.5 | 25.2 | 24.4 | 24.5 |
| Colorado | 29.4 | 31.2 | 26.8 | 28.7 | 29.7 | 25.7 |
| Idaho | 176.0 | 183.0 | 175.0 | 176.0 | 182.0 | 174.0 |
| Michigan | 153.0 | 154.0 | 154.0 | 153.0 | 153.0 | 153.0 |
| Minnesota | 479.0 | 475.0 | 462.0 | 469.0 | 463.0 | 426.0 |
| Montana | 45.0 | 46.6 | 43.4 | 43.0 | 45.8 | 42.8 |
| Nebraska | 52.3 | 51.0 | 46.0 | 51.6 | 48.9 | 44.2 |
| North Dakota | 231.0 | 222.0 | 227.0 | 225.0 | 215.0 | 225.0 |
| Oregon | 10.9 | 11.0 | 9.4 | 10.8 | 11.0 | 9.3 |
| Wyoming | 31.0 | 31.8 | 30.0 | 30.9 | 31.3 | 29.7 |
| United States | 1,232.8 | 1,230.1 | 1,198.1 | 1,213.2 | 1,204.1 | 1,154.2 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (tons) | (tons) | (tons) | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| California [1] | 46.5 | 43.7 | 45.0 | 1,172 | 1,066 | 1,103 |
| Colorado | 28.9 | 31.8 | 33.5 | 829 | 944 | 861 |
| Idaho | 34.4 | 35.3 | 36.2 | 6,054 | 6,425 | 6,299 |
| Michigan | 24.0 | 29.0 | 26.2 | 3,672 | 4,437 | 4,009 |
| Minnesota | 19.0 | 26.5 | 26.0 | 8,911 | 12,270 | 11,076 |
| Montana | 25.9 | 28.2 | 29.2 | 1,114 | 1,292 | 1,250 |
| Nebraska | 24.9 | 29.8 | 29.7 | 1,285 | 1,457 | 1,313 |
| North Dakota | 20.5 | 28.0 | 25.3 | 4,613 | 6,020 | 5,693 |
| Oregon | 35.8 | 38.0 | 38.4 | 387 | 418 | 357 |
| Wyoming | 27.8 | 28.6 | 29.5 | 859 | 895 | 876 |
| United States | 23.8 | 29.3 | 28.5 | 28,896 | 35,224 | 32,837 |

[1] Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California.

## Sugarcane Area Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area harvested | | | Yield per acre [1] | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (tons) | (tons) | (tons) |
| **For sugar** | | | | | | |
| Florida | 380.0 | 396.0 | 397.0 | 37.5 | 36.6 | 36.6 |
| Hawaii | 15.1 | 15.9 | 16.0 | 85.2 | 79.4 | 85.5 |
| Louisiana | 385.0 | 400.0 | 410.0 | 27.6 | 33.0 | 32.0 |
| Texas | 47.0 | 43.0 | 34.1 | 33.5 | 35.9 | 42.4 |
| United States | 827.1 | 854.9 | 857.1 | 33.5 | 35.7 | 35.5 |
| **For seed** | | | | | | |
| Florida | 17.0 | 17.0 | 16.0 | 40.0 | 42.7 | 43.7 |
| Hawaii | 1.5 | 1.5 | 1.5 | 30.0 | 30.0 | 30.0 |
| Louisiana | 25.0 | 28.0 | 30.0 | 27.6 | 33.0 | 32.0 |
| Texas | 2.0 | 1.0 | 1.0 | 35.5 | 32.0 | 37.0 |
| United States | 45.5 | 47.5 | 48.5 | 32.7 | 36.4 | 35.9 |
| **For sugar and seed** | | | | | | |
| Florida | 397.0 | 413.0 | 413.0 | 37.6 | 36.9 | 36.9 |
| Hawaii | 16.6 | 17.4 | 17.5 | 80.2 | 75.1 | 80.7 |
| Louisiana | 410.0 | 428.0 | 440.0 | 27.6 | 33.0 | 32.0 |
| Texas | 49.0 | 44.0 | 35.1 | 33.6 | 35.8 | 42.3 |
| United States | 872.6 | 902.4 | 905.6 | 33.5 | 35.7 | 35.6 |

| State | Production [1] | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 tons) | (1,000 tons) | (1,000 tons) |
| **For sugar** | | | |
| Florida | 14,250 | 14,494 | 14,530 |
| Hawaii | 1,287 | 1,262 | 1,368 |
| Louisiana | 10,626 | 13,200 | 13,120 |
| Texas | 1,575 | 1,544 | 1,446 |
| United States | 27,738 | 30,500 | 30,464 |
| **For seed** | | | |
| Florida | 680 | 726 | 699 |
| Hawaii | 45 | 45 | 45 |
| Louisiana | 690 | 924 | 960 |
| Texas | 71 | 32 | 37 |
| United States | 1,486 | 1,727 | 1,741 |
| **For sugar and seed** | | | |
| Florida | 14,930 | 15,220 | 15,229 |
| Hawaii | 1,332 | 1,307 | 1,413 |
| Louisiana | 11,316 | 14,124 | 14,080 |
| Texas | 1,646 | 1,576 | 1,483 |
| United States | 29,224 | 32,227 | 32,205 |

[1] Net tons.

## Potato Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Arizona | 3.8 | 4.0 | 3.5 | 3.8 | 3.7 | 3.4 |
| California | 36.9 | 37.8 | 35.3 | 36.8 | 37.3 | 34.8 |
| Colorado | 58.5 | 60.5 | 54.8 | 58.3 | 59.3 | 54.6 |
| Delaware | 1.6 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 |
| Florida | 36.4 | 37.1 | 30.9 | 35.6 | 36.6 | 29.5 |
| Idaho | 320.0 | 345.0 | 317.0 | 319.0 | 344.0 | 316.0 |
| Illinois | 7.0 | 7.6 | 6.8 | 6.8 | 7.4 | 6.7 |
| Kansas | 5.5 | 5.5 | 4.4 | 5.3 | 5.2 | 4.3 |
| Maine | 57.0 | 57.5 | 55.0 | 54.0 | 57.0 | 54.0 |
| Maryland | 2.2 | 2.3 | 2.2 | 2.2 | 2.2 | 2.1 |
| Massachusetts | 3.6 | 3.9 | 3.5 | 2.8 | 3.9 | 3.5 |
| Michigan | 45.0 | 46.5 | 44.5 | 44.0 | 45.5 | 44.0 |
| Minnesota | 49.0 | 49.0 | 47.0 | 47.0 | 47.0 | 45.0 |
| Missouri | 8.3 | 9.1 | 9.5 | 7.1 | 8.9 | 9.0 |
| Montana | 11.7 | 12.0 | 11.3 | 11.5 | 11.7 | 11.1 |
| Nebraska | 20.0 | 23.5 | 18.5 | 19.5 | 23.3 | 18.3 |
| Nevada | (D) | 7.1 | (D) | (D) | 7.1 | (D) |
| New Jersey | 2.0 | 2.3 | 2.4 | 1.8 | 2.3 | 2.4 |
| New Mexico | (D) | 6.3 | (D) | (D) | 6.2 | (D) |
| New York | 16.5 | 17.0 | 18.0 | 16.2 | 16.5 | 17.6 |
| North Carolina | 17.0 | 16.5 | 14.5 | 16.5 | 16.0 | 13.5 |
| North Dakota | 84.0 | 88.0 | 81.0 | 77.0 | 84.0 | 78.0 |
| Ohio | 2.0 | 1.5 | 1.4 | 1.7 | 1.4 | 1.3 |
| Oregon | 40.0 | 42.0 | 40.0 | 39.9 | 41.7 | 39.6 |
| Pennsylvania | 9.2 | 8.9 | 7.5 | 7.8 | 8.6 | 7.4 |
| Rhode Island | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.5 |
| Texas | 19.1 | 20.8 | 18.0 | 18.5 | 20.1 | 17.7 |
| Virginia | 6.0 | 5.0 | 4.0 | 5.9 | 4.8 | 3.9 |
| Washington | 160.0 | 165.0 | 160.0 | 160.0 | 164.0 | 160.0 |
| Wisconsin | 63.0 | 64.5 | 62.5 | 62.5 | 64.0 | 62.0 |
| Other States [1] | 13.3 | (NA) | 11.1 | 13.3 | (NA) | 10.4 |
| United States | 1,099.2 | 1,148.4 | 1,066.5 | 1,077.0 | 1,131.9 | 1,052.0 |

See footnote(s) at end of table.

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## Potato Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013 (continued)

| State | Yield per acre [2] | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (cwt) | (cwt) | (cwt) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| Arizona | 280 | 225 | 280 | 1,064 | 833 | 952 |
| California | 414 | 416 | 428 | 15,232 | 15,501 | 14,891 |
| Colorado | 392 | 377 | 371 | 22,853 | 22,365 | 20,279 |
| Delaware | 250 | 255 | 280 | 400 | 408 | 392 |
| Florida | 256 | 244 | 240 | 9,112 | 8,917 | 7,080 |
| Idaho | 404 | 412 | 415 | 128,760 | 141,820 | 131,131 |
| Illinois | 330 | 380 | 370 | 2,244 | 2,812 | 2,479 |
| Kansas | 280 | 350 | 350 | 1,484 | 1,820 | 1,505 |
| Maine | 265 | 275 | 290 | 14,310 | 15,675 | 15,660 |
| Maryland | 300 | 380 | 310 | 660 | 836 | 651 |
| Massachusetts | 275 | 330 | 260 | 770 | 1,287 | 910 |
| Michigan | 345 | 350 | 390 | 15,180 | 15,925 | 17,160 |
| Minnesota | 355 | 400 | 400 | 16,685 | 18,800 | 18,000 |
| Missouri | 170 | 300 | 300 | 1,207 | 2,670 | 2,700 |
| Montana | 330 | 320 | 305 | 3,795 | 3,744 | 3,386 |
| Nebraska | 400 | 445 | 460 | 7,800 | 10,369 | 8,418 |
| Nevada | (D) | 380 | (D) | (D) | 2,698 | (D) |
| New Jersey | 190 | 280 | 230 | 342 | 644 | 552 |
| New Mexico | (D) | 460 | (D) | (D) | 2,852 | (D) |
| New York | 250 | 285 | 270 | 4,050 | 4,703 | 4,752 |
| North Carolina | 170 | 200 | 240 | 2,805 | 3,200 | 3,240 |
| North Dakota | 245 | 300 | 290 | 18,865 | 25,200 | 22,620 |
| Ohio | 270 | 220 | 350 | 459 | 308 | 455 |
| Oregon | 585 | 550 | 545 | 23,342 | 22,935 | 21,582 |
| Pennsylvania | 260 | 260 | 250 | 2,028 | 2,236 | 1,850 |
| Rhode Island | 250 | 250 | 250 | 150 | 150 | 125 |
| Texas | 297 | 372 | 460 | 5,487 | 7,478 | 8,142 |
| Virginia | 200 | 250 | 210 | 1,180 | 1,200 | 819 |
| Washington | 610 | 585 | 600 | 97,600 | 95,940 | 96,000 |
| Wisconsin | 415 | 460 | 440 | 25,938 | 29,440 | 27,280 |
| Other States [1] | 439 | (NA) | 430 | 5,845 | (NA) | 4,472 |
| United States | 399 | 409 | 416 | 429,647 | 462,766 | 437,483 |

(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Includes data withheld above.
[2] Derived.

## Potato Area Planted and Harvested, Yield, and Production by Seasonal Group – States and United States: 2011-2013

| Seasonal group and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Spring** | | | | | | |
| Arizona | 3.8 | 4.0 | 3.5 | 3.8 | 3.7 | 3.4 |
| California | 28.1 | 29.5 | 27.0 | 28.0 | 29.0 | 26.5 |
| Florida | 36.4 | 37.1 | 30.9 | 35.6 | 36.6 | 29.5 |
| Hastings area [1] | 23.4 | 23.6 | (NA) | 23.1 | 23.3 | (NA) |
| Other areas [1] | 13.0 | 13.5 | (NA) | 12.5 | 13.3 | (NA) |
| North Carolina | 17.0 | 16.5 | 14.5 | 16.5 | 16.0 | 13.5 |
| Texas [2] | 8.0 | 9.8 | (NA) | 7.6 | 9.3 | (NA) |
| United States | 93.3 | 96.9 | 75.9 | 91.5 | 94.6 | 72.9 |
| **Summer** | | | | | | |
| Colorado [3] | 4.5 | 5.4 | (NA) | 4.4 | 5.3 | (NA) |
| Delaware | 1.6 | 1.6 | 1.4 | 1.6 | 1.6 | 1.4 |
| Illinois | 7.0 | 7.6 | 6.8 | 6.8 | 7.4 | 6.7 |
| Kansas | 5.5 | 5.5 | 4.4 | 5.3 | 5.2 | 4.3 |
| Maryland | 2.2 | 2.3 | 2.2 | 2.2 | 2.2 | 2.1 |
| Missouri | 8.3 | 9.1 | 9.5 | 7.1 | 8.9 | 9.0 |
| New Jersey | 2.0 | 2.3 | 2.4 | 1.8 | 2.3 | 2.4 |
| Texas | 11.1 | 11.0 | 18.0 | 10.9 | 10.8 | 17.7 |
| Virginia | 6.0 | 5.0 | 4.0 | 5.9 | 4.8 | 3.9 |
| United States | 48.2 | 49.8 | 48.7 | 46.0 | 48.5 | 47.5 |
| **Fall** | | | | | | |
| California | 8.8 | 8.3 | 8.3 | 8.8 | 8.3 | 8.3 |
| Colorado | 54.0 | 55.1 | 54.8 | 53.9 | 54.0 | 54.6 |
| San Luis Valley | (NA) | (NA) | 49.7 | (NA) | (NA) | 49.6 |
| All other areas | (NA) | (NA) | 5.1 | (NA) | (NA) | 5.0 |
| Idaho | 320.0 | 345.0 | 317.0 | 319.0 | 344.0 | 316.0 |
| 10 Southwest counties | 19.0 | 20.0 | 17.0 | 19.0 | 20.0 | 17.0 |
| Other Idaho counties | 301.0 | 325.0 | 300.0 | 300.0 | 324.0 | 299.0 |
| Maine | 57.0 | 57.5 | 55.0 | 54.0 | 57.0 | 54.0 |
| Massachusetts | 3.6 | 3.9 | 3.5 | 2.8 | 3.9 | 3.5 |
| Michigan | 45.0 | 46.5 | 44.5 | 44.0 | 45.5 | 44.0 |
| Minnesota | 49.0 | 49.0 | 47.0 | 47.0 | 47.0 | 45.0 |
| Montana | 11.7 | 12.0 | 11.3 | 11.5 | 11.7 | 11.1 |
| Nebraska | 20.0 | 23.5 | 18.5 | 19.5 | 23.3 | 18.3 |
| Nevada | (D) | 7.1 | (D) | (D) | 7.1 | (D) |
| New Mexico | (D) | 6.3 | (D) | (D) | 6.2 | (D) |
| New York | 16.5 | 17.0 | 18.0 | 16.2 | 16.5 | 17.6 |
| North Dakota | 84.0 | 88.0 | 81.0 | 77.0 | 84.0 | 78.0 |
| Ohio | 2.0 | 1.5 | 1.4 | 1.7 | 1.4 | 1.3 |
| Oregon | 40.0 | 42.0 | 40.0 | 39.9 | 41.7 | 39.6 |
| Pennsylvania | 9.2 | 8.9 | 7.5 | 7.8 | 8.6 | 7.4 |
| Rhode Island | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.5 |
| Washington | 160.0 | 165.0 | 160.0 | 160.0 | 164.0 | 160.0 |
| Wisconsin | 63.0 | 64.5 | 62.5 | 62.5 | 64.0 | 62.0 |
| Other States [4] | 13.3 | (NA) | 11.1 | 13.3 | (NA) | 10.4 |
| United States | 957.7 | 1,001.7 | 941.9 | 939.5 | 988.8 | 931.6 |
| **All** | | | | | | |
| United States | 1,099.2 | 1,148.4 | 1,066.5 | 1,077.0 | 1,131.9 | 1,052.0 |

See footnote(s) at end of table.

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## Potato Area Planted and Harvested, Yield, and Production by Seasonal Group – States and United States: 2011-2013 (continued)

| Seasonal group and State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (cwt) | (cwt) | (cwt) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| **Spring** | | | | | | |
| Arizona | 280 | 225 | 280 | 1,064 | 833 | 952 |
| California | 390 | 400 | 410 | 10,920 | 11,600 | 10,865 |
| Florida | 256 | 244 | 240 | 9,112 | 8,917 | 7,080 |
| Hastings area [1] | 270 | 222 | (NA) | 6,237 | 5,172 | (NA) |
| Other areas [1] | 230 | 282 | (NA) | 2,875 | 3,745 | (NA) |
| North Carolina | 170 | 200 | 240 | 2,805 | 3,200 | 3,240 |
| Texas [2] | 220 | 235 | (NA) | 1,672 | 2,186 | (NA) |
| United States | 279 | 283 | 304 | 25,573 | 26,736 | 22,137 |
| **Summer** | | | | | | |
| Colorado [3] | 355 | 450 | (NA) | 1,562 | 2,385 | (NA) |
| Delaware | 250 | 255 | 280 | 400 | 408 | 392 |
| Illinois | 330 | 380 | 370 | 2,244 | 2,812 | 2,479 |
| Kansas | 280 | 350 | 350 | 1,484 | 1,820 | 1,505 |
| Maryland | 300 | 380 | 310 | 660 | 836 | 651 |
| Missouri | 170 | 300 | 300 | 1,207 | 2,670 | 2,700 |
| New Jersey | 190 | 280 | 230 | 342 | 644 | 552 |
| Texas | 350 | 490 | 460 | 3,815 | 5,292 | 8,142 |
| Virginia | 200 | 250 | 210 | 1,180 | 1,200 | 819 |
| United States | 280 | 373 | 363 | 12,894 | 18,067 | 17,240 |
| **Fall** | | | | | | |
| California | 490 | 470 | 485 | 4,312 | 3,901 | 4,026 |
| Colorado | 395 | 370 | 371 | 21,291 | 19,980 | 20,279 |
| San Luis Valley | (NA) | (NA) | 365 | (NA) | (NA) | 18,104 |
| All other areas | (NA) | (NA) | 435 | (NA) | (NA) | 2,175 |
| Idaho | 404 | 412 | 415 | 128,760 | 141,820 | 131,131 |
| 10 Southwest counties | 540 | 530 | 520 | 10,260 | 10,600 | 8,840 |
| Other Idaho counties | 395 | 405 | 409 | 118,500 | 131,220 | 122,291 |
| Maine | 265 | 275 | 290 | 14,310 | 15,675 | 15,660 |
| Massachusetts | 275 | 330 | 260 | 770 | 1,287 | 910 |
| Michigan | 345 | 350 | 390 | 15,180 | 15,925 | 17,160 |
| Minnesota | 355 | 400 | 400 | 16,685 | 18,800 | 18,000 |
| Montana | 330 | 320 | 305 | 3,795 | 3,744 | 3,386 |
| Nebraska | 400 | 445 | 460 | 7,800 | 10,369 | 8,418 |
| Nevada | (D) | 380 | (D) | (D) | 2,698 | (D) |
| New Mexico | (D) | 460 | (D) | (D) | 2,852 | (D) |
| New York | 250 | 285 | 270 | 4,050 | 4,703 | 4,752 |
| North Dakota | 245 | 300 | 290 | 18,865 | 25,200 | 22,620 |
| Ohio | 270 | 220 | 350 | 459 | 308 | 455 |
| Oregon | 585 | 550 | 545 | 23,342 | 22,935 | 21,582 |
| Pennsylvania | 260 | 260 | 250 | 2,028 | 2,236 | 1,850 |
| Rhode Island | 250 | 250 | 250 | 150 | 150 | 125 |
| Washington | 610 | 585 | 600 | 97,600 | 95,940 | 96,000 |
| Wisconsin | 415 | 460 | 440 | 25,938 | 29,440 | 27,280 |
| Other States [4] | 439 | (NA) | 430 | 5,845 | (NA) | 4,472 |
| United States | 416 | 423 | 427 | 391,180 | 417,963 | 398,106 |
| **All** | | | | | | |
| United States | 399 | 409 | 416 | 429,647 | 462,766 | 437,483 |

(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.
[1] Estimates discontinued in 2013.
[2] Beginning in 2013 Spring estimates included in Summer total for Texas.
[3] Beginning in 2013 Summer estimates included in Fall total for Colorado.
[4] Includes data withheld above.

## Sweet Potato Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Alabama | 2.6 | 2.7 | 2.5 | 2.5 | 2.6 | 2.4 |
| Arkansas | 3.6 | 4.0 | 4.0 | 3.5 | 3.9 | 3.9 |
| California | 18.5 | 18.0 | 19.0 | 18.2 | 18.0 | 19.0 |
| Florida | 3.3 | 6.4 | 6.0 | 3.0 | 6.3 | 5.9 |
| Louisiana | 14.0 | 10.0 | 8.0 | 13.0 | 9.5 | 7.5 |
| Mississippi | 24.0 | 24.0 | 20.0 | 23.0 | 22.0 | 19.5 |
| New Jersey | 1.3 | 1.3 | 1.2 | 1.3 | 1.3 | 1.2 |
| North Carolina | 65.0 | 63.0 | 54.0 | 64.0 | 62.0 | 53.0 |
| Texas | 1.3 | 1.1 | 1.0 | 1.2 | 1.0 | 0.8 |
| United States | 133.6 | 130.5 | 115.7 | 129.7 | 126.6 | 113.2 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (cwt) | (cwt) | (cwt) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| Alabama | 129 | 210 | 173 | 323 | 546 | 415 |
| Arkansas | 180 | 200 | 180 | 630 | 780 | 702 |
| California | 320 | 343 | 360 | 5,824 | 6,174 | 6,840 |
| Florida | 160 | 120 | 142 | 480 | 756 | 838 |
| Louisiana | 185 | 205 | 220 | 2,405 | 1,948 | 1,650 |
| Mississippi | 181 | 160 | 180 | 4,163 | 3,520 | 3,510 |
| New Jersey | 150 | 160 | 125 | 195 | 208 | 150 |
| North Carolina | 200 | 200 | 200 | 12,800 | 12,400 | 10,600 |
| Texas | 120 | 150 | 100 | 144 | 150 | 80 |
| United States | 208 | 209 | 219 | 26,964 | 26,482 | 24,785 |

## Dry Edible Bean Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Arizona | 8.5 | 13.5 | 10.0 | 8.2 | 13.4 | 10.0 |
| California | 57.5 | 58.5 | 50.0 | 57.0 | 57.5 | 49.5 |
| Colorado | 38.0 | 50.0 | 39.0 | 37.0 | 45.0 | 36.0 |
| Idaho | 95.0 | 145.0 | 125.0 | 94.0 | 144.0 | 124.0 |
| Kansas | 6.5 | 8.0 | 5.0 | 6.0 | 7.5 | 4.8 |
| Michigan | 170.0 | 200.0 | 175.0 | 168.0 | 197.0 | 172.0 |
| Minnesota | 140.0 | 160.0 | 125.0 | 135.0 | 155.0 | 120.0 |
| Montana | 15.0 | 32.0 | 24.0 | 14.8 | 31.1 | 23.6 |
| Nebraska | 110.0 | 145.0 | 130.0 | 105.0 | 133.0 | 117.0 |
| New Mexico | 12.5 | 9.8 | 10.0 | 12.4 | 9.8 | 9.5 |
| New York | 12.0 | 10.0 | 9.0 | 11.8 | 9.5 | 8.8 |
| North Dakota | 410.0 | 700.0 | 440.0 | 380.0 | 685.0 | 430.0 |
| Oregon | 6.4 | 10.5 | 8.3 | 6.4 | 10.5 | 8.2 |
| South Dakota | 10.2 | 13.0 | 12.0 | 9.0 | 12.9 | 11.5 |
| Texas | 9.0 | 22.0 | 33.0 | 8.0 | 17.0 | 30.0 |
| Washington | 77.0 | 115.0 | 115.0 | 77.0 | 115.0 | 114.0 |
| Wisconsin | 5.3 | 5.2 | 5.4 | 5.3 | 5.2 | 5.4 |
| Wyoming | 35.0 | 45.0 | 39.0 | 33.0 | 42.0 | 37.0 |
| United States | 1,217.9 | 1,742.5 | 1,354.7 | 1,167.9 | 1,690.4 | 1,311.3 |

| State | Yield per acre [1] | | | Production [1] | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| Arizona | 1,890 | 2,070 | 1,680 | 155 | 277 | 168 |
| California | 1,900 | 2,270 | 2,320 | 1,083 | 1,304 | 1,150 |
| Colorado | 1,580 | 1,840 | 1,500 | 585 | 828 | 540 |
| Idaho | 2,000 | 2,100 | 1,900 | 1,880 | 3,024 | 2,356 |
| Kansas | 1,700 | 2,110 | 1,790 | 102 | 158 | 86 |
| Michigan | 2,000 | 1,790 | 1,900 | 3,360 | 3,526 | 3,270 |
| Minnesota | 1,690 | 2,000 | 1,950 | 2,281 | 3,103 | 2,340 |
| Montana | 1,820 | 1,500 | 1,920 | 270 | 466 | 453 |
| Nebraska | 2,000 | 2,400 | 2,350 | 2,100 | 3,193 | 2,750 |
| New Mexico | 2,230 | 2,200 | 2,040 | 277 | 216 | 194 |
| New York | 1,400 | 1,920 | 1,820 | 165 | 182 | 160 |
| North Dakota | 1,300 | 1,700 | 1,650 | 4,940 | 11,660 | 7,095 |
| Oregon | 2,410 | 2,460 | 2,260 | 154 | 258 | 185 |
| South Dakota | 1,770 | 2,060 | 2,000 | 159 | 266 | 230 |
| Texas | 1,000 | 800 | 1,220 | 80 | 136 | 366 |
| Washington | 1,900 | 1,930 | 1,820 | 1,463 | 2,220 | 2,075 |
| Wisconsin | 2,080 | 1,940 | 1,810 | 110 | 101 | 98 |
| Wyoming | 2,200 | 2,400 | 2,620 | 726 | 1,007 | 970 |
| United States | 1,703 | 1,889 | 1,867 | 19,890 | 31,925 | 24,486 |

[1] Clean basis.

## Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013

| Class and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Large lima** | | | | | | |
| California | 9.6 | 9.7 | 6.7 | 9.5 | 9.6 | 6.6 |
| **Baby lima** | | | | | | |
| California | 12.6 | 12.9 | 6.8 | 12.5 | 12.6 | 6.8 |
| **Navy** | | | | | | |
| Idaho | 3.7 | 4.6 | 2.1 | 3.7 | 4.5 | 2.1 |
| Michigan | 50.0 | 70.0 | 60.0 | 49.5 | 69.0 | 59.6 |
| Minnesota | 50.5 | 53.0 | 36.2 | 48.3 | 51.0 | 35.2 |
| Nebraska | 1.0 | 2.6 | (1) | 0.9 | 1.8 | (1) |
| North Dakota | 94.0 | 125.0 | 71.0 | 84.0 | 123.0 | 70.0 |
| Oregon | (1) | 1.9 | 2.3 | (1) | 1.9 | 2.3 |
| South Dakota | 3.6 | 4.1 | 1.7 | 2.7 | 4.1 | 1.6 |
| Washington | 0.5 | 1.0 | (1) | 0.5 | 1.0 | (1) |
| Wyoming | 1.1 | 0.6 | 0.9 | 1.1 | 0.6 | 0.9 |
| United States | 204.4 | 262.8 | 174.2 | 190.7 | 256.9 | 171.7 |
| **Great northern** | | | | | | |
| Idaho | 2.6 | 2.0 | 2.5 | 2.6 | 2.0 | 2.5 |
| Minnesota | - | - | (1) | - | - | (1) |
| Nebraska | 54.2 | 48.5 | 62.0 | 52.4 | 45.3 | 54.5 |
| North Dakota | 1.8 | 2.8 | 6.0 | 1.7 | 2.7 | 5.7 |
| Wyoming | 3.2 | 2.3 | 5.0 | 3.0 | 2.1 | 5.0 |
| United States | 61.8 | 55.6 | 75.5 | 59.7 | 52.1 | 67.7 |
| **Small white** | | | | | | |
| Idaho | (1) | (1) | (1) | (1) | (1) | (1) |
| Oregon | 1.1 | (1) | (1) | 1.1 | (1) | (1) |
| Washington | (1) | 1.2 | (1) | (1) | 1.2 | (1) |
| United States | 1.1 | 1.2 | (1) | 1.1 | 1.2 | (1) |

See footnote(s) at end of table.

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## Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013 (continued)

| Class and State | Yield per acre [2] | | | Production [2] | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| **Large lima** | | | | | | |
| California | 2,440 | 2,360 | 2,480 | 232 | 227 | 164 |
| **Baby lima** | | | | | | |
| California | 1,890 | 2,400 | 2,960 | 236 | 302 | 201 |
| **Navy** | | | | | | |
| Idaho | 2,730 | 2,800 | 2,290 | 101 | 126 | 48 |
| Michigan | 2,100 | 1,850 | 2,110 | 1,040 | 1,277 | 1,256 |
| Minnesota | 1,810 | 2,060 | 1,960 | 874 | 1,051 | 690 |
| Nebraska | 2,220 | 2,790 | ( [1] ) | 20 | 50 | ( [1] ) |
| North Dakota | 1,340 | 1,800 | 1,860 | 1,125 | 2,215 | 1,299 |
| Oregon | ( [1] ) | 2,800 | 2,400 | ( [1] ) | 53 | 57 |
| South Dakota | 1,850 | 2,200 | 1,690 | 50 | 90 | 27 |
| Washington | 2,800 | 3,000 | ( [1] ) | 14 | 30 | ( [1] ) |
| Wyoming | 2,180 | 2,370 | 2,770 | 24 | 14 | 25 |
| United States | 1,703 | 1,910 | 1,981 | 3,248 | 4,906 | 3,402 |
| **Great northern** | | | | | | |
| Idaho | 2,500 | 2,800 | 2,680 | 65 | 56 | 67 |
| Minnesota | - | - | ( [1] ) | - | - | ( [1] ) |
| Nebraska | 1,990 | 2,400 | 2,280 | 1,044 | 1,087 | 1,243 |
| North Dakota | 1,000 | 1,370 | 1,490 | 17 | 37 | 85 |
| Wyoming | 2,330 | 2,020 | 2,400 | 70 | 42 | 120 |
| United States | 2,003 | 2,345 | 2,238 | 1,196 | 1,222 | 1,515 |
| **Small white** | | | | | | |
| Idaho | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) |
| Oregon | 2,800 | ( [1] ) | ( [1] ) | 29 | ( [1] ) | ( [1] ) |
| Washington | ( [1] ) | 2,750 | ( [1] ) | ( [1] ) | 33 | ( [1] ) |
| United States | 2,636 | 2,750 | ( [1] ) | 29 | 33 | ( [1] ) |

See footnote(s) at end of table.

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## Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013 (continued)

| Class and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Pinto** | | | | | | |
| Arizona | 2.2 | 6.0 | 4.8 | 2.2 | 6.0 | 4.8 |
| California | - | - | (1) | - | - | (1) |
| Colorado | 29.0 | 43.0 | 31.0 | 28.3 | 38.0 | 28.0 |
| Idaho | 17.5 | 34.5 | 23.0 | 17.3 | 34.3 | 22.8 |
| Kansas | 5.8 | 6.7 | 3.6 | 5.7 | 6.5 | 3.5 |
| Michigan | 3.1 | 2.0 | 2.3 | 3.0 | 1.9 | 2.2 |
| Minnesota | 13.0 | 21.7 | 11.6 | 12.6 | 21.3 | 11.2 |
| Montana | 5.0 | 9.0 | 5.8 | 5.0 | 8.5 | 5.7 |
| Nebraska | 41.0 | 82.0 | 53.3 | 39.2 | 74.8 | 48.1 |
| New Mexico | 12.5 | 9.8 | 10.0 | 12.4 | 9.8 | 9.5 |
| North Dakota | 225.0 | 455.0 | 302.0 | 210.0 | 445.0 | 295.0 |
| Oregon | (1) | 2.3 | 1.5 | (1) | 2.3 | 1.5 |
| South Dakota | (1) | 1.6 | 1.6 | (1) | 1.6 | 1.6 |
| Washington | 7.0 | 17.0 | 10.7 | 7.0 | 17.0 | 10.6 |
| Wyoming | 25.6 | 39.1 | 23.9 | 24.1 | 36.4 | 22.0 |
| United States | 386.7 | 729.7 | 485.1 | 366.8 | 703.4 | 466.5 |
| **Light red kidney** | | | | | | |
| California | 2.0 | 2.0 | 2.6 | 2.0 | 2.0 | 2.6 |
| Colorado | 4.0 | 3.6 | 3.0 | 3.7 | 3.6 | 3.0 |
| Idaho | 0.5 | 1.9 | 1.0 | 0.5 | 1.9 | 1.0 |
| Michigan | 7.0 | 6.7 | 7.9 | 7.0 | 6.6 | 7.8 |
| Minnesota | 11.1 | 13.4 | 15.5 | 11.0 | 13.1 | 14.8 |
| Nebraska | 8.3 | 8.1 | 8.3 | 7.3 | 7.5 | 8.2 |
| New York | 3.1 | 3.0 | 2.7 | 3.0 | 2.7 | 2.6 |
| Oregon | 0.6 | 0.7 | 0.7 | 0.6 | 0.7 | 0.7 |
| Washington | 0.6 | 0.8 | 1.5 | 0.6 | 0.8 | 1.4 |
| United States | 37.2 | 40.2 | 43.2 | 35.7 | 38.9 | 42.1 |
| **Dark red kidney** | | | | | | |
| California | 0.7 | 0.7 | 0.8 | 0.7 | 0.7 | 0.8 |
| Idaho | 0.9 | 1.7 | 0.6 | 0.9 | 1.7 | 0.6 |
| Michigan | 2.8 | 2.8 | 2.3 | 2.7 | 2.7 | 2.2 |
| Minnesota | 34.9 | 31.7 | 34.1 | 34.0 | 30.5 | 31.5 |
| New York | 2.0 | 1.8 | 1.6 | 2.0 | 1.7 | 1.6 |
| North Dakota | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 1.3 |
| Oregon | (1) | (1) | 0.5 | (1) | (1) | 0.4 |
| Washington | 0.7 | 0.8 | (1) | 0.7 | 0.8 | (1) |
| Wisconsin [3] | 5.3 | 5.2 | 5.4 | 5.3 | 5.2 | 5.4 |
| United States | 48.8 | 46.2 | 46.7 | 47.7 | 44.7 | 43.8 |

See footnote(s) at end of table.

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## Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013 (continued)

| Class and State | Yield per acre [2] | | | Production [2] | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| **Pinto** | | | | | | |
| Arizona | 2,300 | 2,100 | 1,750 | 51 | 126 | 84 |
| California | - | - | ([1]) | - | - | ([1]) |
| Colorado | 1,520 | 1,790 | 1,370 | 430 | 680 | 384 |
| Idaho | 2,460 | 2,600 | 2,610 | 426 | 892 | 595 |
| Kansas | 1,700 | 2,100 | 1,800 | 97 | 137 | 63 |
| Michigan | 1,730 | 1,600 | 1,840 | 52 | 30 | 40 |
| Minnesota | 1,600 | 1,890 | 1,640 | 202 | 403 | 184 |
| Montana | 2,600 | 2,500 | 2,400 | 130 | 213 | 137 |
| Nebraska | 2,020 | 2,450 | 2,440 | 793 | 1,833 | 1,174 |
| New Mexico | 2,230 | 2,200 | 2,040 | 277 | 216 | 194 |
| North Dakota | 1,290 | 1,710 | 1,620 | 2,709 | 7,610 | 4,765 |
| Oregon | ([1]) | 2,700 | 2,530 | ([1]) | 62 | 38 |
| South Dakota | ([1]) | 2,400 | 2,400 | ([1]) | 38 | 38 |
| Washington | 2,600 | 2,470 | 2,680 | 182 | 420 | 284 |
| Wyoming | 2,180 | 2,400 | 2,300 | 525 | 874 | 506 |
| United States | 1,601 | 1,924 | 1,819 | 5,874 | 13,534 | 8,486 |
| **Light red kidney** | | | | | | |
| California | 1,200 | 1,600 | 1,460 | 24 | 32 | 38 |
| Colorado | 2,000 | 2,250 | 1,880 | 74 | 81 | 56 |
| Idaho | 2,800 | 2,210 | 2,400 | 14 | 42 | 24 |
| Michigan | 1,960 | 2,000 | 1,620 | 137 | 132 | 127 |
| Minnesota | 1,600 | 2,050 | 2,130 | 176 | 269 | 315 |
| Nebraska | 2,030 | 2,090 | 2,260 | 148 | 157 | 185 |
| New York | 1,300 | 2,040 | 1,920 | 39 | 55 | 50 |
| Oregon | 2,700 | 2,500 | 2,000 | 15 | 18 | 14 |
| Washington | 2,500 | 2,000 | 2,570 | 15 | 16 | 36 |
| United States | 1,798 | 2,062 | 2,007 | 642 | 802 | 845 |
| **Dark red kidney** | | | | | | |
| California | 1,140 | 1,430 | 1,630 | 8 | 10 | 13 |
| Idaho | 2,330 | 2,120 | 2,330 | 21 | 36 | 14 |
| Michigan | 1,000 | 1,300 | 890 | 27 | 35 | 20 |
| Minnesota | 1,650 | 2,100 | 1,980 | 561 | 641 | 624 |
| New York | 1,550 | 2,240 | 2,120 | 31 | 38 | 34 |
| North Dakota | 1,300 | 1,500 | 1,920 | 18 | 21 | 25 |
| Oregon | ([1]) | ([1]) | 1,750 | ([1]) | ([1]) | 7 |
| Washington | 2,000 | 2,880 | ([1]) | 14 | 23 | ([1]) |
| Wisconsin [3] | 2,080 | 1,940 | 1,820 | 110 | 101 | 98 |
| United States | 1,656 | 2,025 | 1,906 | 790 | 905 | 835 |

See footnote(s) at end of table.

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## Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013 (continued)

| Class and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Pink** | | | | | | |
| California | - | - | 0.6 | - | - | 0.6 |
| Idaho | 6.8 | 8.2 | 6.9 | 6.7 | 8.1 | 6.7 |
| Minnesota | 4.3 | 6.8 | 5.8 | 4.3 | 6.7 | 5.8 |
| North Dakota | 10.0 | 12.7 | 8.2 | 9.5 | 12.3 | 7.9 |
| Oregon | ([1]) | ([1]) | ([1]) | ([1]) | ([1]) | ([1]) |
| Washington | ([1]) | 1.7 | 2.0 | ([1]) | 1.7 | 1.9 |
| United States | 21.1 | 29.4 | 23.5 | 20.5 | 28.8 | 22.9 |
| **Small red** | | | | | | |
| Idaho | 7.8 | 10.6 | 7.6 | 7.7 | 10.5 | 7.5 |
| Michigan | 18.0 | 19.5 | 15.5 | 18.0 | 19.3 | 15.4 |
| Minnesota | 2.2 | 2.9 | ([1]) | 1.7 | 2.9 | ([1]) |
| North Dakota | 2.5 | 1.7 | 1.9 | 2.4 | 1.6 | 1.8 |
| Washington | 5.0 | 5.3 | 1.0 | 5.0 | 5.3 | 1.0 |
| United States | 35.5 | 40.0 | 26.0 | 34.8 | 39.6 | 25.7 |
| **Cranberry** | | | | | | |
| California | 0.8 | 0.8 | 0.6 | 0.8 | 0.8 | 0.6 |
| Idaho | ([1]) | 0.5 | ([1]) | ([1]) | 0.5 | ([1]) |
| Michigan | 3.5 | 3.4 | 3.5 | 3.5 | 3.4 | 3.4 |
| Minnesota | - | - | ([1]) | - | - | ([1]) |
| Oregon | ([1]) | ([1]) | ([1]) | ([1]) | ([1]) | ([1]) |
| United States | 4.3 | 4.7 | 4.1 | 4.3 | 4.7 | 4.0 |
| **Black** | | | | | | |
| California | ([1]) | - | - | ([1]) | - | - |
| Idaho | 2.2 | 2.6 | 1.4 | 2.2 | 2.5 | 1.4 |
| Michigan | 80.0 | 90.0 | 78.5 | 79.0 | 89.0 | 76.5 |
| Minnesota | 20.7 | 25.7 | 15.2 | 19.9 | 24.9 | 14.9 |
| Nebraska | 2.4 | 1.8 | 3.8 | 2.3 | 1.8 | 3.7 |
| New York | 5.3 | 4.3 | 3.9 | 5.2 | 4.2 | 3.8 |
| North Dakota | 69.0 | 87.0 | 37.5 | 65.0 | 85.0 | 36.8 |
| Oregon | 1.3 | 1.2 | 0.6 | 1.3 | 1.2 | 0.6 |
| Washington | 3.0 | 4.2 | 2.2 | 3.0 | 4.2 | 2.0 |
| United States | 183.9 | 216.8 | 143.1 | 177.9 | 212.8 | 139.7 |
| **Blackeye** | | | | | | |
| Arizona | 1.7 | 2.5 | 0.3 | 1.5 | 2.5 | 0.3 |
| California | 14.9 | 14.9 | 10.8 | 14.8 | 14.9 | 10.7 |
| Texas | 8.0 | 20.0 | 31.0 | 7.0 | 15.4 | 28.1 |
| United States | 24.6 | 37.4 | 42.1 | 23.3 | 32.8 | 39.1 |
| **Small chickpeas** [4] | | | | | | |
| Idaho | 17.5 | 32.5 | 15.0 | 17.3 | 32.3 | 14.8 |
| Montana | (D) | (D) | (D) | (D) | (D) | (D) |
| North Dakota | 3.0 | 5.4 | 3.2 | 2.9 | 5.3 | 3.1 |
| Oregon | - | (D) | (D) | - | (D) | (D) |
| South Dakota | (D) | (D) | 0.9 | (D) | (D) | 0.9 |
| Washington | 8.0 | 15.0 | 14.0 | 8.0 | 15.0 | 13.5 |
| Other States [5] | 8.4 | 16.6 | 12.1 | 8.3 | 16.3 | 11.9 |
| United States | 36.9 | 69.5 | 45.2 | 36.5 | 68.9 | 44.2 |

See footnote(s) at end of table.

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## Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013 (continued)

| Class and State | Yield per acre [2] | | | Production [2] | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| **Pink** | | | | | | |
| California | - | - | 2,170 | - | - | 13 |
| Idaho | 2,600 | 2,620 | 2,690 | 174 | 212 | 180 |
| Minnesota | 1,750 | 1,920 | 1,760 | 75 | 129 | 102 |
| North Dakota | 1,670 | 1,790 | 1,630 | 159 | 220 | 129 |
| Oregon | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) |
| Washington | ( [1] ) | 3,000 | 2,740 | ( [1] ) | 51 | 52 |
| United States | 1,990 | 2,125 | 2,079 | 408 | 612 | 476 |
| **Small red** | | | | | | |
| Idaho | 2,690 | 2,770 | 2,760 | 207 | 291 | 207 |
| Michigan | 1,950 | 1,700 | 1,850 | 351 | 328 | 285 |
| Minnesota | 1,350 | 1,690 | ( [1] ) | 23 | 49 | ( [1] ) |
| North Dakota | 1,250 | 2,000 | 1,670 | 30 | 32 | 30 |
| Washington | 2,520 | 2,600 | 2,600 | 126 | 138 | 26 |
| United States | 2,118 | 2,116 | 2,132 | 737 | 838 | 548 |
| **Cranberry** | | | | | | |
| California | 2,130 | 750 | 1,670 | 17 | 6 | 10 |
| Idaho | ( [1] ) | 2,400 | ( [1] ) | ( [1] ) | 12 | ( [1] ) |
| Michigan | 1,460 | 1,500 | 1,260 | 51 | 51 | 43 |
| Minnesota | - | - | ( [1] ) | - | - | ( [1] ) |
| Oregon | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) | ( [1] ) |
| United States | 1,581 | 1,468 | 1,325 | 68 | 69 | 53 |
| **Black** | | | | | | |
| California | ( [1] ) | - | - | ( [1] ) | - | - |
| Idaho | 2,590 | 2,520 | 2,930 | 57 | 63 | 41 |
| Michigan | 2,030 | 1,800 | 1,900 | 1,602 | 1,602 | 1,455 |
| Minnesota | 1,600 | 1,950 | 1,880 | 318 | 486 | 280 |
| Nebraska | 1,830 | 2,060 | 2,510 | 42 | 37 | 93 |
| New York | 1,350 | 1,710 | 1,620 | 70 | 72 | 62 |
| North Dakota | 1,260 | 1,580 | 1,480 | 819 | 1,340 | 545 |
| Oregon | 2,500 | 2,200 | 1,830 | 32 | 26 | 11 |
| Washington | 2,600 | 2,690 | 2,900 | 78 | 113 | 58 |
| United States | 1,696 | 1,757 | 1,822 | 3,018 | 3,739 | 2,545 |
| **Blackeye** | | | | | | |
| Arizona | 2,100 | 2,300 | 2,110 | 32 | 58 | 6 |
| California | 1,590 | 2,450 | 2,720 | 235 | 365 | 291 |
| Texas | 1,000 | 800 | 1,220 | 70 | 123 | 343 |
| United States | 1,446 | 1,665 | 1,637 | 337 | 546 | 640 |
| **Small chickpeas** [4] | | | | | | |
| Idaho | 1,760 | 1,860 | 1,540 | 304 | 601 | 228 |
| Montana | (D) | (D) | (D) | (D) | (D) | (D) |
| North Dakota | 1,010 | 1,230 | 1,810 | 29 | 65 | 56 |
| Oregon | - | (D) | (D) | - | (D) | (D) |
| South Dakota | (D) | (D) | 1,670 | (D) | (D) | 15 |
| Washington | 1,500 | 1,800 | 1,750 | 120 | 270 | 236 |
| Other States [5] | 1,400 | 1,290 | 1,890 | 116 | 211 | 225 |
| United States | 1,559 | 1,665 | 1,719 | 569 | 1,147 | 760 |

See footnote(s) at end of table.

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## Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013 (continued)

| Class and State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Large chickpeas** [6] | | | | | | |
| California | 10.5 | 11.1 | 11.3 | 10.3 | 10.5 | 11.1 |
| Idaho | 33.5 | 43.5 | 63.0 | 33.1 | 43.3 | 62.7 |
| Montana | (D) | (D) | (D) | (D) | (D) | (D) |
| North Dakota | 1.7 | 6.6 | 6.7 | 1.6 | 6.5 | 6.4 |
| Oregon | 0.7 | (D) | (D) | 0.7 | (D) | (D) |
| South Dakota | (D) | (D) | 4.7 | (D) | (D) | 4.5 |
| Washington | 48.0 | 64.5 | 78.0 | 48.0 | 64.5 | 78.0 |
| Other States [5] | 4.5 | 12.7 | 6.8 | 4.3 | 12.6 | 6.7 |
| United States | 98.9 | 138.4 | 170.5 | 98.0 | 137.4 | 169.4 |
| **All chickpeas (Garbanzo)** | | | | | | |
| California | 10.5 | 11.1 | 11.3 | 10.3 | 10.5 | 11.1 |
| Idaho | 51.0 | 76.0 | 78.0 | 50.4 | 75.6 | 77.5 |
| Montana | 9.0 | 23.0 | 18.0 | 8.9 | 22.6 | 17.7 |
| North Dakota | 4.7 | 12.0 | 9.9 | 4.5 | 11.8 | 9.5 |
| Oregon | 0.7 | 1.8 | 0.9 | 0.7 | 1.8 | 0.9 |
| South Dakota | 3.9 | 4.5 | 5.6 | 3.7 | 4.5 | 5.4 |
| Washington | 56.0 | 79.5 | 92.0 | 56.0 | 79.5 | 91.5 |
| United States | 135.8 | 207.9 | 215.7 | 134.5 | 206.3 | 213.6 |
| **Other** | | | | | | |
| Arizona | 4.6 | 5.0 | 4.9 | 4.5 | 4.9 | 4.9 |
| California | 6.4 | 6.4 | 9.8 | 6.4 | 6.4 | 9.7 |
| Colorado | 5.0 | 3.4 | 5.0 | 5.0 | 3.4 | 5.0 |
| Idaho | 2.0 | 2.4 | 1.9 | 2.0 | 2.4 | 1.9 |
| Kansas | 0.7 | 1.3 | 1.4 | 0.3 | 1.0 | 1.3 |
| Michigan | 5.6 | 5.6 | 5.0 | 5.3 | 5.1 | 4.9 |
| Minnesota | 3.3 | 4.8 | 6.6 | 3.2 | 4.6 | 6.6 |
| Montana | 1.0 | - | 0.2 | 0.9 | - | 0.2 |
| Nebraska | 3.1 | 2.0 | 2.6 | 2.9 | 1.8 | 2.5 |
| New York | 1.6 | 0.9 | 0.8 | 1.6 | 0.9 | 0.8 |
| North Dakota | 1.5 | 2.3 | 2.1 | 1.5 | 2.2 | 2.0 |
| Oregon | 2.7 | 2.6 | 1.8 | 2.7 | 2.6 | 1.8 |
| South Dakota | 2.7 | 2.8 | 3.1 | 2.6 | 2.7 | 2.9 |
| Texas | 1.0 | 2.0 | 2.0 | 1.0 | 1.6 | 1.9 |
| Washington | 4.2 | 3.5 | 5.6 | 4.2 | 3.5 | 5.6 |
| Wyoming | 5.1 | 3.0 | 9.2 | 4.8 | 2.9 | 9.1 |
| United States | 50.5 | 48.0 | 62.0 | 48.9 | 46.0 | 61.1 |
| **All dry edible beans** | | | | | | |
| United States | 1,217.9 | 1,742.5 | 1,354.7 | 1,167.9 | 1,690.4 | 1,311.3 |

See footnote(s) at end of table.

--continued

## Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2011-2013 (continued)

| Class and State | Yield per acre [2] | | | Production [2] | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| **Large chickpeas [6]** | | | | | | |
| California | 2,580 | 2,350 | 2,300 | 266 | 247 | 255 |
| Idaho | 1,420 | 1,480 | 1,440 | 470 | 641 | 904 |
| Montana | (D) | (D) | (D) | (D) | (D) | (D) |
| North Dakota | 1,100 | 1,350 | 1,920 | 18 | 88 | 123 |
| Oregon | 1,710 | (D) | (D) | 12 | (D) | (D) |
| South Dakota | (D) | (D) | 1,770 | (D) | (D) | 80 |
| Washington | 1,700 | 1,630 | 1,590 | 815 | 1,050 | 1,243 |
| Other States [5] | 1,210 | 1,260 | 1,550 | 52 | 159 | 104 |
| United States | 1,666 | 1,590 | 1,599 | 1,633 | 2,185 | 2,709 |
| **All chickpeas (Garbanzo)** | | | | | | |
| California | 2,580 | 2,350 | 2,300 | 266 | 247 | 255 |
| Idaho | 1,540 | 1,640 | 1,460 | 774 | 1,242 | 1,132 |
| Montana | 1,340 | 1,120 | 1,760 | 119 | 253 | 312 |
| North Dakota | 1,040 | 1,300 | 1,880 | 47 | 153 | 179 |
| Oregon | 1,710 | 2,000 | 1,890 | 12 | 36 | 17 |
| South Dakota | 1,320 | 1,800 | 1,760 | 49 | 81 | 95 |
| Washington | 1,670 | 1,660 | 1,620 | 935 | 1,320 | 1,479 |
| United States | 1,637 | 1,615 | 1,624 | 2,202 | 3,332 | 3,469 |
| **Other** | | | | | | |
| Arizona | 1,600 | 1,900 | 1,590 | 72 | 93 | 78 |
| California | 1,000 | 1,800 | 1,700 | 65 | 115 | 165 |
| Colorado | 1,620 | 1,970 | 2,000 | 81 | 67 | 100 |
| Idaho | 2,050 | 2,170 | 2,530 | 41 | 52 | 48 |
| Kansas | 1,700 | 2,100 | 1,770 | 5 | 21 | 23 |
| Michigan | 1,890 | 1,400 | 900 | 100 | 71 | 44 |
| Minnesota | 1,630 | 1,620 | 2,200 | 52 | 75 | 145 |
| Montana | 2,300 | - | 2,020 | 21 | - | 4 |
| Nebraska | 1,830 | 1,600 | 2,200 | 53 | 29 | 55 |
| New York | 1,550 | 1,890 | 1,780 | 25 | 17 | 14 |
| North Dakota | 1,080 | 1,450 | 1,900 | 16 | 32 | 38 |
| Oregon | 2,440 | 2,420 | 2,280 | 66 | 63 | 41 |
| South Dakota | 2,300 | 2,100 | 2,410 | 60 | 57 | 70 |
| Texas | 1,000 | 800 | 1,220 | 10 | 13 | 23 |
| Washington | 2,360 | 2,170 | 2,500 | 99 | 76 | 140 |
| Wyoming | 2,230 | 2,670 | 3,500 | 107 | 77 | 319 |
| United States | 1,785 | 1,865 | 2,139 | 873 | 858 | 1,307 |
| **All dry edible beans** | | | | | | |
| United States | 1,703 | 1,889 | 1,867 | 19,890 | 31,925 | 24,486 |

- Represents zero.
(D) Withheld to avoid disclosing data for individual operations.
[1] Data are included in "Other" class to avoid disclosing data for individual operations.
[2] Clean basis.
[3] Includes light red kidney to avoid disclosure of individual operations.
[4] Chickpeas (or Garbanzo beans) smaller than 20/64 inches.
[5] Includes data withheld above.
[6] Chickpeas (or Garbanzo beans) larger than 20/64 inches.

## Lentil Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Idaho | 28.0 | 33.0 | 31.0 | 27.0 | 32.0 | 30.0 |
| Montana | 260.0 | 205.0 | 140.0 | 247.0 | 195.0 | 129.0 |
| North Dakota | 80.0 | 160.0 | 129.0 | 77.0 | 158.0 | 126.0 |
| Washington | 60.0 | 65.0 | 62.0 | 60.0 | 65.0 | 62.0 |
| United States | 428.0 | 463.0 | 362.0 | 411.0 | 450.0 | 347.0 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| Idaho | 1,300 | 1,200 | 1,300 | 351 | 384 | 390 |
| Montana | 1,100 | 1,100 | 1,500 | 2,717 | 2,145 | 1,935 |
| North Dakota | 1,070 | 1,220 | 1,400 | 824 | 1,928 | 1,764 |
| Washington | 1,400 | 1,300 | 1,500 | 840 | 845 | 930 |
| United States | 1,151 | 1,178 | 1,446 | 4,732 | 5,302 | 5,019 |

## Wrinkled Seed Pea Production – States and United States: 2011-2013

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| Idaho | 135 | 120 | 110 |
| Washington | 374 | 286 | 165 |
| United States | 509 | 406 | 275 |

## Dry Edible Pea Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

[Excludes both wrinkled seed peas and Austrian winter peas]

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Idaho | 16.0 | 27.0 | 37.0 | 15.0 | 26.0 | 36.0 |
| Montana | 190.0 | 315.0 | 440.0 | 177.0 | 293.0 | 395.0 |
| North Dakota | 85.0 | 235.0 | 295.0 | 80.0 | 230.0 | 280.0 |
| Oregon | 5.0 | 7.0 | 8.0 | 4.8 | 7.0 | 7.0 |
| Washington | 66.0 | 65.0 | 80.0 | 66.0 | 65.0 | 79.0 |
| United States | 362.0 | 649.0 | 860.0 | 342.8 | 621.0 | 797.0 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| Idaho | 1,800 | 1,900 | 2,200 | 270 | 494 | 792 |
| Montana | 1,500 | 1,500 | 1,800 | 2,655 | 4,395 | 7,110 |
| North Dakota | 1,450 | 1,950 | 2,050 | 1,160 | 4,485 | 5,740 |
| Oregon | 3,210 | 2,830 | 2,300 | 154 | 198 | 161 |
| Washington | 2,100 | 2,000 | 2,300 | 1,386 | 1,300 | 1,817 |
| United States | 1,641 | 1,751 | 1,960 | 5,625 | 10,872 | 15,620 |

## Austrian Winter Pea Area Planted and Harvested, Yield, and Production – States and United States: 2011-2013

| State | Area planted | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| Idaho | 6.0 | 5.5 | 5.0 | 5.0 | 4.5 | 4.0 |
| Montana | 10.0 | 11.0 | 10.0 | 6.0 | 6.9 | 8.0 |
| Oregon | 2.0 | 2.5 | 3.0 | 1.3 | 2.3 | 2.1 |
| United States | 18.0 | 19.0 | 18.0 | 12.3 | 13.7 | 14.1 |

| State | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (pounds) | (pounds) | (pounds) | (1,000 cwt) | (1,000 cwt) | (1,000 cwt) |
| Idaho | 1,700 | 1,300 | 1,700 | 85 | 59 | 68 |
| Montana | 1,200 | 1,000 | 1,550 | 72 | 69 | 124 |
| Oregon | 1,750 | 1,690 | 1,710 | 23 | 39 | 36 |
| United States | 1,463 | 1,219 | 1,617 | 180 | 167 | 228 |

## Hop Area Harvested, Yield, and Production by Variety – States and United States: 2011-2013

| State and variety | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 [1] | 2011 | 2012 | 2013 [1] |
| | (acres) | (acres) | (acres) | (pounds) | (pounds) | (pounds) |
| **Idaho** [2] | | | | | | |
| Apollo [R] | (D) | (D) | 314 | (D) | (D) | 2,054 |
| Bravo [R] | (D) | (D) | 130 | (D) | (D) | 2,635 |
| Cascade | (D) | (D) | 628 | (D) | (D) | 1,224 |
| Centennial | (D) | (D) | 57 | (D) | (D) | 1,004 |
| Citra [TM] | (D) | (D) | 19 | (D) | (D) | 1,011 |
| Chinook | (D) | (D) | 324 | (D) | (D) | 1,801 |
| El Dorado [R] | (D) | (D) | 14 | (D) | (D) | 971 |
| Super Galena [R] | (D) | (D) | 278 | (D) | (D) | 2,287 |
| Zeus | (D) | (D) | 548 | (D) | (D) | 3,049 |
| Experimental | (D) | (D) | 5 | (D) | (D) | 2,800 |
| Other Varieties [3] | (D) | (D) | 1,059 | (D) | (D) | 1,063 |
| Total | 2,265 | 2,423 | 3,376 | 2,408 | 1,745 | 1,741 |
| **Oregon** | | | | | | |
| Cascade | 263 | 346 | 423 | 1,616 | 1,802 | 1,483 |
| Centennial | (D) | 208 | 249 | (D) | 1,779 | 1,585 |
| Fuggles | (D) | (D) | 91 | (D) | (D) | 827 |
| Golding | (D) | (D) | 194 | (D) | (D) | 1,148 |
| Liberty | 108 | 83 | (D) | 1,326 | 1,527 | (D) |
| Magnum | 64 | 58 | 104 | 1,928 | 2,519 | 1,406 |
| Mt. Hood | 214 | 226 | 221 | 1,890 | 1,737 | 1,567 |
| Nugget | 1,438 | 1,619 | 1,667 | 2,317 | 2,071 | 2,053 |
| Perle | 98 | (D) | 55 | 1,622 | (D) | 1,178 |
| Sterling | 86 | (D) | 122 | 1,915 | (D) | 1,621 |
| Super Galena [R] | 241 | 175 | 155 | 2,263 | 2,763 | 2,557 |
| Tettnanger | 70 | 61 | (D) | 1,634 | 1,493 | (D) |
| Willamette | 779 | 905 | 553 | 1,716 | 1,663 | 1,491 |
| Experimental | (D) | (D) | 35 | (D) | (D) | 1,734 |
| Other varieties [3] | 841 | 789 | 917 | 1,511 | 1,690 | 1,931 |
| Total | 4,202 | 4,470 | 4,786 | 1,908 | 1,885 | 1,786 |

See footnote(s) at end of table.

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## Hop Area Harvested, Yield, and Production by Variety – States and United States: 2011-2013 (continued)

| State and variety | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 [1] |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| **Idaho** [2] | | | |
| Apollo [R] | (D) | (D) | 644.8 |
| Bravo [R] | (D) | (D) | 342.5 |
| Cascade | (D) | (D) | 768.9 |
| Centennial | (D) | (D) | 57.2 |
| Citra [TM] | (D) | (D) | 19.2 |
| Chinook | (D) | (D) | 583.4 |
| El Dorado [R] | (D) | (D) | 13.6 |
| Super Galena [R] | (D) | (D) | 635.7 |
| Zeus | (D) | (D) | 1,670.8 |
| Experimental | (D) | (D) | 14.0 |
| Other Varieties [3] | (D) | (D) | 1,125.9 |
| Total | 5,454.1 | 4,227.6 | 5,876.0 |
| **Oregon** | | | |
| Cascade | 425.0 | 623.5 | 627.1 |
| Centennial | (D) | 370.0 | 394.6 |
| Fuggles | (D) | (D) | 75.3 |
| Golding | (D) | (D) | 222.7 |
| Liberty | 143.2 | 126.7 | (D) |
| Magnum | 123.4 | 146.1 | 146.2 |
| Mt. Hood | 404.5 | 392.6 | 346.2 |
| Nugget | 3,332.1 | 3,353.5 | 3,422.0 |
| Perle | 159.0 | (D) | 64.8 |
| Sterling | 164.7 | (D) | 197.8 |
| Super Galena [R] | 545.5 | 483.6 | 396.4 |
| Tettnanger | 114.4 | 91.1 | (D) |
| Willamette | 1,337.0 | 1,504.7 | 824.7 |
| Experimental | (D) | (D) | 60.7 |
| Other varieties [3] | 1,270.6 | 1,333.5 | 1,770.6 |
| Total | 8,019.4 | 8,425.3 | 8,549.1 |

See footnote(s) at end of table.

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## Hop Area Harvested, Yield, and Production by Variety – States and United States: 2011-2013 (continued)

| State and variety | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 [1] | 2011 | 2012 | 2013 [1] |
| | (acres) | (acres) | (acres) | (pounds) | (pounds) | (pounds) |
| **Washington** | | | | | | |
| Ahtanum | (D) | 176 | 211 | (D) | 1,489 | 1,647 |
| Apollo [R] | 885 | 874 | 685 | 2,758 | 2,655 | 2,993 |
| Bravo [R] | 593 | 528 | 466 | 2,609 | 2,647 | 3,076 |
| Cascade | 2,108 | 2,693 | 4,237 | 1,955 | 1,854 | 1,723 |
| Centennial | 641 | 1,478 | 1,869 | 1,403 | 1,354 | 1,554 |
| Chinook | 572 | 1,215 | 1,415 | 1,718 | 1,699 | 1,987 |
| Citra [TM] | 239 | 538 | 1,296 | 1,812 | 1,342 | 1,405 |
| Cluster | 482 | 546 | 802 | 2,019 | 1,965 | 1,948 |
| Columbus/Tomahawk [R] | 2,947 | 2,523 | 2,336 | 2,519 | 2,280 | 2,571 |
| Crystal | (D) | 154 | 214 | (D) | 1,184 | 1,286 |
| El Dorado | (D) | (D) | 82 | (D) | (D) | 1,761 |
| Galena | 1,415 | 954 | 440 | 1,821 | 1,742 | 1,969 |
| Glacier | 44 | 56 | 98 | 2,182 | 1,461 | 1,258 |
| Golding | (D) | (D) | 105 | (D) | (D) | 1,010 |
| Mosaic | (D) | (D) | 382 | (D) | (D) | 1,709 |
| Millennium | 403 | 397 | 420 | 2,562 | 2,017 | 2,266 |
| Mt. Hood | 95 | 120 | 168 | 838 | 1,264 | 1,161 |
| Northern Brewer | 159 | 120 | 170 | 1,698 | 1,443 | 1,256 |
| Nugget | 861 | 875 | 395 | 1,969 | 1,679 | 1,931 |
| Simcoe | 495 | 940 | 1,298 | 1,779 | 1,679 | 1,682 |
| Summit | (D) | (D) | 2,844 | (D) | (D) | 1,873 |
| Super Galena [R] | 990 | 959 | 779 | 3,041 | 2,645 | 2,812 |
| Tettnanger | (D) | 76 | 95 | (D) | 1,003 | 755 |
| Vanguard | (D) | 59 | 76 | (D) | 1,280 | 1,349 |
| Willamette | 894 | 692 | 522 | 1,510 | 1,359 | 1,240 |
| YCR-4(Palisade [R]) | 308 | 264 | 132 | 2,562 | 2,356 | 2,790 |
| YCR-5(Warrior [R]) | 260 | 195 | 180 | 2,061 | 1,968 | 2,169 |
| Zeus | 4,159 | 3,253 | 3,277 | 2,572 | 2,390 | 2,940 |
| Experimental | (D) | (D) | 258 | (D) | (D) | 1,562 |
| Other varieties [3] | 4,770 | 5,355 | 1,810 | 1,987 | 1,775 | 1,697 |
| Total | 23,320 | 25,040 | 27,062 | 2,200 | 1,941 | 2,029 |
| **United States** [4] | 29,787 | 31,933 | 35,224 | 2,175 | 1,918 | 1,969 |

See footnote(s) at end of table.

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## Hop Area Harvested, Yield, and Production by Variety – States and United States: 2011-2013 (continued)

| State and variety | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 [1] |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| **Washington** | | | |
| Ahtanum | (D) | 262.0 | 347.5 |
| Apollo [R] | 2,440.4 | 2,320.6 | 2,050.0 |
| Bravo [R] | 1,547.2 | 1,397.4 | 1,433.6 |
| Cascade | 4,121.3 | 4,993.0 | 7,300.0 |
| Centennial | 899.4 | 2,001.0 | 2,905.2 |
| Chinook | 982.8 | 2,064.2 | 2,812.3 |
| Citra [TM] | 433.1 | 721.9 | 1,820.3 |
| Cluster | 973.3 | 1,073.0 | 1,562.0 |
| Columbus/Tomahawk [R] | 7,422.4 | 5,751.7 | 6,006.1 |
| Crystal | (D) | 182.3 | 275.3 |
| El Dorado | (D) | (D) | 144.4 |
| Galena | 2,576.2 | 1,662.0 | 866.3 |
| Glacier | 96.0 | 81.8 | 123.3 |
| Golding | (D) | (D) | 106.0 |
| Mosaic | (D) | (D) | 652.8 |
| Millennium | 1,032.4 | 800.8 | 951.6 |
| Mt. Hood | 79.6 | 151.7 | 195.0 |
| Northern Brewer | 270.0 | 173.1 | 213.5 |
| Nugget | 1,695.1 | 1,468.7 | 762.8 |
| Simcoe | 880.8 | 1,578.0 | 2,183.4 |
| Summit | (D) | (D) | 5,326.6 |
| Super Galena [R] | 3,010.6 | 2,536.4 | 2,190.3 |
| Tettnanger | (D) | 76.2 | 71.7 |
| Vanguard | (D) | 75.5 | 102.5 |
| Willamette | 1,350.0 | 940.4 | 647.1 |
| YCR-4(Palisade [R]) | 789.1 | 622.1 | 368.3 |
| YCR-5(Warrior [R]) | 535.9 | 383.8 | 390.4 |
| Zeus | 10,695.9 | 7,775.9 | 9,635.7 |
| Experimental | (D) | (D) | 402.9 |
| Other varieties [3] | 9,476.6 | 9,502.8 | 3,071.9 |
| Total | 51,308.1 | 48,596.3 | 54,918.8 |
| **United States** | 64,781.6 | 61,249.2 | 69,343.9 |

(D) Withheld to avoid disclosing data for individual operations.
[R] Registered
[TM] Trademark
[1] Funding for the 2013 hop survey was provided by the Hop Growers of America.
[2] Prior to 2013, only State totals published for Idaho to avoid disclosure of individual operations.
[3] Includes data withheld above and varieties not listed.
[4] Strung acreage left unharvested in 2011 totaled 229 acres.

## Mint for Oil Area Harvested, Yield, and Production by Crop – States and United States: 2011-2013

| Crop and State | Area harvested | | | Yield per acre | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (pounds) | (pounds) | (pounds) |
| **Peppermint** | | | | | | |
| California | 3.2 | 2.6 | 1.8 | 80 | 75 | 85 |
| Idaho | 16.5 | 16.5 | 15.5 | 100 | 110 | 100 |
| Indiana | 10.5 | 10.0 | 8.5 | 57 | 51 | 50 |
| Michigan | 0.8 | 0.8 | 0.7 | 58 | 60 | 60 |
| Oregon | 23.0 | 23.7 | 21.5 | 91 | 82 | 86 |
| Washington | 16.5 | 18.0 | 17.5 | 104 | 100 | 110 |
| Wisconsin | 3.5 | 4.0 | 3.3 | 60 | 66 | 57 |
| United States | 74.0 | 75.6 | 68.8 | 89 | 87 | 89 |
| **Spearmint** | | | | | | |
| Idaho | 0.9 | 0.8 | 1.0 | 120 | 120 | 125 |
| Indiana | 1.9 | 3.2 | 3.6 | 71 | 70 | 73 |
| Michigan | 1.8 | 1.7 | 1.7 | 70 | 70 | 70 |
| Oregon | 0.8 | 1.1 | 2.3 | 130 | 120 | 115 |
| Washington | 11.6 | 12.8 | 15.5 | 155 | 140 | 138 |
| Native | 7.5 | 8.2 | 9.1 | 155 | 151 | 150 |
| Scotch | 4.1 | 4.6 | 6.4 | 156 | 120 | 120 |
| Wisconsin | 0.3 | 0.4 | 0.4 | 50 | 68 | 53 |
| United States | 17.3 | 20.0 | 24.5 | 132 | 120 | 119 |

| State | Production | | |
|---|---|---|---|
| | 2011 | 2012 | 2013 |
| | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| **Peppermint** | | | |
| California | 256 | 195 | 153 |
| Idaho | 1,650 | 1,815 | 1,550 |
| Indiana | 599 | 510 | 425 |
| Michigan | 46 | 48 | 42 |
| Oregon | 2,093 | 1,943 | 1,849 |
| Washington | 1,716 | 1,800 | 1,925 |
| Wisconsin | 210 | 264 | 188 |
| United States | 6,570 | 6,575 | 6,132 |
| **Spearmint** | | | |
| Idaho | 108 | 96 | 125 |
| Indiana | 135 | 224 | 263 |
| Michigan | 126 | 119 | 119 |
| Oregon | 104 | 132 | 265 |
| Washington | 1,798 | 1,792 | 2,133 |
| Native | 1,160 | 1,242 | 1,365 |
| Scotch | 638 | 550 | 768 |
| Wisconsin | 15 | 27 | 21 |
| United States | 2,286 | 2,390 | 2,926 |

## Maple Syrup Taps, Yield, and Production – States and United States: 2011-2013

[Estimates for 2013 are carried forward from the June 2013 *Crop Production*. Any revisions will appear in the June 2014 *Crop Production*]

| State | Number of taps | | | Yield per tap | | | Production | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (1,000 taps) | (1,000 taps) | (1,000 taps) | (gallons) | (gallons) | (gallons) | (1,000 gallons) | (1,000 gallons) | (1,000 gallons) |
| Connecticut | 71 | 70 | 78 | 0.239 | 0.157 | 0.256 | 17 | 11 | 20 |
| Maine | 1,470 | 1,500 | 1,500 | 0.245 | 0.240 | 0.300 | 360 | 360 | 450 |
| Massachusetts | 245 | 250 | 280 | 0.253 | 0.160 | 0.225 | 62 | 40 | 63 |
| Michigan | 495 | 430 | 490 | 0.248 | 0.151 | 0.302 | 123 | 65 | 148 |
| New Hampshire | 420 | 440 | 460 | 0.286 | 0.173 | 0.270 | 120 | 76 | 124 |
| New York | 2,011 | 2,070 | 2,200 | 0.280 | 0.174 | 0.261 | 564 | 360 | 574 |
| Ohio | 405 | 410 | 440 | 0.309 | 0.244 | 0.352 | 125 | 100 | 155 |
| Pennsylvania | 503 | 501 | 583 | 0.254 | 0.192 | 0.230 | 128 | 96 | 134 |
| Vermont | 3,300 | 3,500 | 3,800 | 0.345 | 0.214 | 0.347 | 1,140 | 750 | 1,320 |
| Wisconsin | 660 | 600 | 740 | 0.235 | 0.083 | 0.358 | 155 | 50 | 265 |
| United States | 9,580 | 9,771 | 10,571 | 0.292 | 0.195 | 0.308 | 2,794 | 1,908 | 3,253 |

## Coffee Area Harvested, Yield, and Production – Hawaii: 2011-2012, 2012-2013, and 2013-2014

| State | Area harvested | | | Yield per acre | | | Production [1] | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2011-2012 | 2012-2013 | 2013-2014 | 2011-2012 | 2012-2013 | 2013-2014 | 2011-2012 | 2012-2013 | 2013-2014 |
| | (acres) | (acres) | (acres) | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Hawaii | 6,300 | 7,300 | 7,300 | 1,210 | 960 | 960 | 7,600 | 7,000 | 7,000 |

[1] Parchment basis.

## Taro Area in Crop and Production – Hawaii: 2011-2013

[Area is total acres in crop, not harvested acreage. Yield is not estimated]

| State | Area in crop | | | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (acres) | (acres) | (acres) | (pounds) | (pounds) | (pounds) | (1,000 pounds) | (1,000 pounds) | (1,000 pounds) |
| Hawaii | 485 | 400 | 400 | (NA) | (NA) | (NA) | 4,100 | 3,500 | 3,100 |

(NA) Not available.

## Alaska Area Planted and Harvested, Yield, and Production: 2011-2013

[Estimates are provided to meet special needs of crop and livestock production statistics users. Estimates are excluded from commodity data tables]

| Crop | Area planted for all purposes | | | Area harvested | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| | (acres) | (acres) | (acres) | (acres) | (acres) | (acres) |
| Barley | 5,200 | 4,600 | 3,600 | 4,800 | 4,300 | 3,300 |
| Hay, all | (NA) | (NA) | (NA) | 19,000 | 22,000 | 20,000 |
| Oats | 2,100 | 2,400 | 1,300 | 1,000 | 900 | 400 |
| Potatoes | 750 | 680 | 650 | 720 | 650 | 620 |

| Crop | Yield per acre | | | Production | | |
|---|---|---|---|---|---|---|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| Barley bushels | 36.5 | 48.1 | 33.3 | 175,000 | 207,000 | 110,000 |
| Hay, all tons | 1.16 | 1.23 | 0.75 | 22,000 | 27,000 | 15,000 |
| Oats bushels | 80.0 | 65.6 | 37.5 | 80,000 | 59,000 | 15,000 |
| Potatoes cwt | 186 | 215 | 210 | 134,000 | 140,000 | 130,000 |

(NA) Not available.

## Crop Area Planted and Harvested – United States: 2012-2013 (Domestic Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2013 crop year]

| Crop | Area planted | | Area harvested | |
|---|---|---|---|---|
| | 2012 | 2013 | 2012 | 2013 |
| | (1,000 acres) | (1,000 acres) | (1,000 acres) | (1,000 acres) |
| **Grains and hay** | | | | |
| Barley | 3,637 | 3,480 | 3,244 | 3,000 |
| Corn for grain [1] | 97,155 | 95,365 | 87,375 | 87,668 |
| Corn for silage | (NA) | (NA) | 7,379 | 6,256 |
| Hay, all | (NA) | (NA) | 56,260 | 58,257 |
| Alfalfa | (NA) | (NA) | 17,292 | 17,763 |
| All other | (NA) | (NA) | 38,968 | 40,494 |
| Oats | 2,760 | 3,010 | 1,045 | 1,030 |
| Proso millet | 335 | 720 | 205 | 638 |
| Rice | 2,700 | 2,489 | 2,679 | 2,468 |
| Rye | 1,300 | 1,446 | 248 | 278 |
| Sorghum for grain [1] | 6,244 | 8,061 | 4,955 | 6,530 |
| Sorghum for silage | (NA) | (NA) | 363 | 380 |
| Wheat, all | 55,666 | 56,156 | 48,921 | 45,157 |
| Winter | 41,224 | 43,090 | 34,734 | 32,402 |
| Durum | 2,153 | 1,470 | 2,132 | 1,421 |
| Other spring | 12,289 | 11,596 | 12,055 | 11,334 |
| **Oilseeds** | | | | |
| Canola | 1,765.0 | 1,348.0 | 1,729.0 | 1,264.5 |
| Cottonseed | (X) | (X) | (X) | (X) |
| Flaxseed | 344 | 181 | 333 | 172 |
| Mustard seed | 51.1 | 45.0 | 49.7 | 43.4 |
| Peanuts | 1,638.0 | 1,067.0 | 1,604.0 | 1,042.0 |
| Rapeseed | 2.3 | 1.7 | 2.2 | 1.7 |
| Safflower | 169.8 | 175.5 | 160.1 | 170.0 |
| Soybeans for beans | 77,198 | 76,533 | 76,164 | 75,869 |
| Sunflower | 1,919.0 | 1,575.5 | 1,841.0 | 1,474.6 |
| **Cotton, tobacco, and sugar crops** | | | | |
| Cotton, all | 12,314.4 | 10,407.0 | 9,371.8 | 7,664.4 |
| Upland | 12,076.0 | 10,206.0 | 9,135.0 | 7,465.0 |
| American Pima | 238.4 | 201.0 | 236.8 | 199.4 |
| Sugarbeets | 1,230.1 | 1,198.1 | 1,204.1 | 1,154.2 |
| Sugarcane | (NA) | (NA) | 902.4 | 905.6 |
| Tobacco | (NA) | (NA) | 336.2 | 355.7 |
| **Dry beans, peas, and lentils** | | | | |
| Austrian winter peas | 19.0 | 18.0 | 13.7 | 14.1 |
| Dry edible beans | 1,742.5 | 1,354.7 | 1,690.4 | 1,311.3 |
| Dry edible peas | 649.0 | 860.0 | 621.0 | 797.0 |
| Lentils | 463.0 | 362.0 | 450.0 | 347.0 |
| Wrinkled seed peas | (NA) | (NA) | (NA) | (NA) |
| **Potatoes and miscellaneous** | | | | |
| Coffee (Hawaii) | (NA) | (NA) | 7.3 | 7.3 |
| Hops | (NA) | (NA) | 31.9 | 35.2 |
| Peppermint oil | (NA) | (NA) | 75.6 | 68.8 |
| Potatoes, all | 1,148.4 | 1,066.5 | 1,131.9 | 1,052.0 |
| Spring | 96.9 | 75.9 | 94.6 | 72.9 |
| Summer | 49.8 | 48.7 | 48.5 | 47.5 |
| Fall | 1,001.7 | 941.9 | 988.8 | 931.6 |
| Spearmint oil | (NA) | (NA) | 20.0 | 24.5 |
| Sweet potatoes | 130.5 | 115.7 | 126.6 | 113.2 |
| Taro (Hawaii) [2] | (NA) | (NA) | 0.4 | 0.4 |

(NA) Not available.
(X) Not applicable.
[1] Area planted for all purposes.
[2] Area is total acres in crop, not harvested acreage.

## Crop Yield and Production – United States: 2012-2013 (Domestic Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2013 crop year]

| Crop | Yield per acre | | Production | |
|---|---|---|---|---|
| | 2012 | 2013 | 2012 | 2013 |
| | | | (1,000) | (1,000) |
| **Grains and hay** | | | | |
| Barley ..... bushels | 67.9 | 71.7 | 220,284 | 215,078 |
| Corn for grain ..... bushels | 123.4 | 158.8 | 10,780,296 | 13,925,147 |
| Corn for silage ..... tons | 15.4 | 18.8 | 113,450 | 117,851 |
| Hay, all ..... tons | 2.13 | 2.33 | 119,878 | 135,946 |
| Alfalfa ..... tons | 3.01 | 3.24 | 52,049 | 57,581 |
| All other ..... tons | 1.74 | 1.94 | 67,829 | 78,365 |
| Oats ..... bushels | 61.3 | 64.0 | 64,024 | 65,879 |
| Proso millet ..... bushels | 15.1 | 28.9 | 3,090 | 18,436 |
| Rice [1] ..... cwt | 7,449 | 7,694 | 199,546 | 189,886 |
| Rye ..... bushels | 28.0 | 27.6 | 6,944 | 7,669 |
| Sorghum for grain ..... bushels | 49.8 | 59.6 | 246,932 | 389,046 |
| Sorghum for silage ..... tons | 11.4 | 14.3 | 4,135 | 5,420 |
| Wheat, all ..... bushels | 46.3 | 47.2 | 2,266,027 | 2,129,695 |
| Winter ..... bushels | 47.3 | 47.4 | 1,641,272 | 1,534,253 |
| Durum ..... bushels | 38.8 | 43.6 | 82,796 | 61,913 |
| Other spring ..... bushels | 45.0 | 47.1 | 541,959 | 533,529 |
| **Oilseeds** | | | | |
| Canola ..... pounds | 1,416 | 1,748 | 2,447,410 | 2,210,505 |
| Cottonseed ..... tons | (X) | (X) | 5,666.0 | 4,406.0 |
| Flaxseed ..... bushels | 17.1 | 19.5 | 5,709 | 3,356.0 |
| Mustard seed ..... pounds | 602 | 846 | 29,930 | 36,727 |
| Peanuts ..... pounds | 4,217 | 4,006 | 6,763,300 | 4,174,180 |
| Rapeseed ..... pounds | 2,218 | 1,141 | 4,880 | 1,940 |
| Safflower ..... pounds | 1,121 | 1,232 | 179,424 | 209,461 |
| Soybeans for beans ..... bushels | 39.8 | 43.3 | 3,033,581 | 3,288,833 |
| Sunflower ..... pounds | 1,513 | 1,378 | 2,785,695 | 2,032,725 |
| **Cotton, tobacco, and sugar crops** | | | | |
| Cotton, all [1] ..... bales | 887 | 826 | 17,314.8 | 13,186.7 |
| Upland [1] ..... bales | 869 | 807 | 16,535.0 | 12,551.0 |
| American Pima [1] ..... bales | 1,581 | 1,530 | 779.8 | 635.7 |
| Sugarbeets ..... tons | 29.3 | 28.5 | 35,224 | 32,837 |
| Sugarcane ..... tons | 35.7 | 35.6 | 32,227 | 32,205 |
| Tobacco ..... pounds | 2,268 | 2,036 | 762,709 | 724,108 |
| **Dry beans, peas, and lentils** | | | | |
| Austrian winter peas [1] ..... cwt | 1,219 | 1,617 | 167 | 228 |
| Dry edible beans [1] ..... cwt | 1,889 | 1,867 | 31,925 | 24,486 |
| Dry edible peas [1] ..... cwt | 1,751 | 1,960 | 10,872 | 15,620 |
| Lentils [1] ..... cwt | 1,178 | 1,446 | 5,302 | 5,019 |
| Wrinkled seed peas ..... cwt | (NA) | (NA) | 406 | 275 |
| **Potatoes and miscellaneous** | | | | |
| Coffee (Hawaii) ..... pounds | 960 | 960 | 7,000 | 7,000 |
| Hops ..... pounds | 1,918 | 1,969 | 61,249.2 | 69,343.9 |
| Peppermint oil ..... pounds | 87 | 89 | 6,575 | 6,132 |
| Potatoes, all ..... cwt | 409 | 416 | 462,766 | 437,483 |
| Spring ..... cwt | 283 | 304 | 26,736 | 22,137 |
| Summer ..... cwt | 373 | 363 | 18,067 | 17,240 |
| Fall ..... cwt | 423 | 427 | 417,963 | 398,106 |
| Spearmint oil ..... pounds | 120 | 119 | 2,390 | 2,926 |
| Sweet potatoes ..... cwt | 209 | 219 | 26,482 | 24,785 |
| Taro (Hawaii) ..... pounds | (NA) | (NA) | 3,500 | 3,100 |

(NA) Not available.
(X) Not applicable.
[1] Yield in pounds.

## Crop Area Planted and Harvested – United States: 2012-2013 (Metrics Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2013 crop year]

| Crop | Area planted | | Area harvested | |
|---|---|---|---|---|
| | 2012 | 2013 | 2012 | 2013 |
| | (hectares) | (hectares) | (hectares) | (hectares) |
| **Grains and hay** | | | | |
| Barley | 1,471,860 | 1,408,320 | 1,312,810 | 1,214,070 |
| Corn for grain [1] | 39,317,660 | 38,593,260 | 35,359,790 | 35,478,360 |
| Corn for silage | (NA) | (NA) | 2,986,210 | 2,531,740 |
| Hay, all [2] | (NA) | (NA) | 22,767,860 | 23,576,030 |
| Alfalfa | (NA) | (NA) | 6,997,900 | 7,188,510 |
| All other | (NA) | (NA) | 15,769,960 | 16,387,520 |
| Oats | 1,116,940 | 1,218,120 | 422,900 | 416,830 |
| Proso millet | 135,570 | 291,380 | 82,960 | 258,190 |
| Rice | 1,092,660 | 1,007,270 | 1,084,160 | 998,770 |
| Rye | 526,100 | 585,180 | 100,360 | 112,500 |
| Sorghum for grain [1] | 2,526,880 | 3,262,210 | 2,005,240 | 2,642,630 |
| Sorghum for silage | (NA) | (NA) | 146,900 | 153,780 |
| Wheat, all [2] | 22,527,470 | 22,725,770 | 19,797,840 | 18,274,590 |
| Winter | 16,682,940 | 17,438,090 | 14,056,500 | 13,112,770 |
| Durum | 871,300 | 594,890 | 862,800 | 575,060 |
| Other spring | 4,973,240 | 4,692,790 | 4,878,540 | 4,586,760 |
| **Oilseeds** | | | | |
| Canola | 714,280 | 545,520 | 699,710 | 511,730 |
| Cottonseed | (X) | (X) | (X) | (X) |
| Flaxseed | 139,210 | 73,250 | 134,760 | 69,610 |
| Mustard seed | 20,680 | 18,210 | 20,110 | 17,560 |
| Peanuts | 662,880 | 431,800 | 649,120 | 421,690 |
| Rapeseed | 930 | 690 | 890 | 690 |
| Safflower | 68,720 | 71,020 | 64,790 | 68,800 |
| Soybeans for beans | 31,241,260 | 30,972,140 | 30,822,810 | 30,703,430 |
| Sunflower | 776,600 | 637,590 | 745,030 | 596,760 |
| **Cotton, tobacco, and sugar crops** | | | | |
| Cotton, all [2] | 4,983,510 | 4,211,610 | 3,792,670 | 3,101,710 |
| Upland | 4,887,040 | 4,130,270 | 3,696,840 | 3,021,010 |
| American Pima | 96,480 | 81,340 | 95,830 | 80,700 |
| Sugarbeets | 497,810 | 484,860 | 487,290 | 467,090 |
| Sugarcane | (NA) | (NA) | 365,190 | 366,490 |
| Tobacco | (NA) | (NA) | 136,070 | 143,940 |
| **Dry beans, peas, and lentils** | | | | |
| Austrian winter peas | 7,690 | 7,280 | 5,540 | 5,710 |
| Dry edible beans | 705,170 | 548,230 | 684,090 | 530,670 |
| Dry edible peas | 262,640 | 348,030 | 251,310 | 322,540 |
| Lentils | 187,370 | 146,500 | 182,110 | 140,430 |
| Wrinkled seed peas | (NA) | (NA) | (NA) | (NA) |
| **Potatoes and miscellaneous** | | | | |
| Coffee (Hawaii) | (NA) | (NA) | 2,950 | 2,950 |
| Hops | (NA) | (NA) | 12,920 | 14,250 |
| Peppermint oil | (NA) | (NA) | 30,590 | 27,840 |
| Potatoes, all [2] | 464,750 | 431,600 | 458,070 | 425,730 |
| Spring | 39,210 | 30,720 | 38,280 | 29,500 |
| Summer | 20,150 | 19,710 | 19,630 | 19,220 |
| Fall | 405,380 | 381,180 | 400,160 | 377,010 |
| Spearmint oil | (NA) | (NA) | 8,090 | 9,910 |
| Sweet potatoes | 52,810 | 46,820 | 51,230 | 45,810 |
| Taro (Hawaii) [3] | (NA) | (NA) | 160 | 160 |

(NA) Not available.
(X) Not applicable.
[1] Area planted for all purposes.
[2] Total may not add due to rounding.
[3] Area is total hectares in crop, not harvested hectares.

## Crop Yield and Production – United States: 2012-2013 (Metric Units)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2013 crop year]

| Crop | Yield per hectare | | Production | |
|---|---|---|---|---|
| | 2012 | 2013 | 2012 | 2013 |
| | (metric tons) | (metric tons) | (metric tons) | (metric tons) |
| **Grains and hay** | | | | |
| Barley | 3.65 | 3.86 | 4,796,120 | 4,682,770 |
| Corn for grain | 7.74 | 9.97 | 273,832,130 | 353,715,030 |
| Corn for silage | 34.47 | 42.23 | 102,920,110 | 106,912,630 |
| Hay, all [1] | 4.78 | 5.23 | 108,751,490 | 123,328,140 |
| Alfalfa | 6.75 | 7.27 | 47,218,060 | 52,236,600 |
| All other | 3.90 | 4.34 | 61,533,430 | 71,091,530 |
| Oats | 2.20 | 2.29 | 929,310 | 956,230 |
| Proso millet | 0.84 | 1.62 | 70,080 | 418,120 |
| Rice | 8.35 | 8.62 | 9,051,250 | 8,613,080 |
| Rye | 1.76 | 1.73 | 176,390 | 194,800 |
| Sorghum for grain | 3.13 | 3.74 | 6,272,360 | 9,882,220 |
| Sorghum for silage | 25.54 | 31.97 | 3,751,210 | 4,916,940 |
| Wheat, all [1] | 3.12 | 3.17 | 61,671,150 | 57,960,800 |
| Winter | 3.18 | 3.18 | 44,668,100 | 41,755,520 |
| Durum | 2.61 | 2.93 | 2,253,340 | 1,685,000 |
| Other spring | 3.02 | 3.17 | 14,749,710 | 14,520,280 |
| **Oilseeds** | | | | |
| Canola | 1.59 | 1.96 | 1,110,130 | 1,002,670 |
| Cottonseed | (X) | (X) | 5,140,110 | 3,997,060 |
| Flaxseed | 1.08 | 1.22 | 145,020 | 85,250 |
| Mustard seed | 0.67 | 0.95 | 13,580 | 16,660 |
| Peanuts | 4.73 | 4.49 | 3,067,780 | 1,893,380 |
| Rapeseed | 2.49 | 1.28 | 2,210 | 880 |
| Safflower | 1.26 | 1.38 | 81,390 | 95,010 |
| Soybeans for beans | 2.68 | 2.92 | 82,560,550 | 89,507,370 |
| Sunflower | 1.70 | 1.55 | 1,263,570 | 922,030 |
| **Cotton, tobacco, and sugar crops** | | | | |
| Cotton, all [1] | 0.99 | 0.93 | 3,769,850 | 2,871,070 |
| Upland | 0.97 | 0.90 | 3,600,070 | 2,732,660 |
| American Pima | 1.77 | 1.72 | 169,780 | 138,410 |
| Sugarbeets | 65.58 | 63.78 | 31,954,680 | 29,789,230 |
| Sugarcane | 80.06 | 79.72 | 29,235,840 | 29,215,880 |
| Tobacco | 2.54 | 2.28 | 345,960 | 328,450 |
| **Dry beans, peas, and lentils** | | | | |
| Austrian winter peas | 1.37 | 1.81 | 7,570 | 10,340 |
| Dry edible beans | 2.12 | 2.09 | 1,448,090 | 1,110,670 |
| Dry edible peas | 1.96 | 2.20 | 493,150 | 708,510 |
| Lentils | 1.32 | 1.62 | 240,490 | 227,660 |
| Wrinkled seed peas | (NA) | (NA) | 18,420 | 12,470 |
| **Potatoes and miscellaneous** | | | | |
| Coffee (Hawaii) | 1.07 | 1.07 | 3,180 | 3,180 |
| Hops | 2.15 | 2.21 | 27,780 | 31,450 |
| Peppermint oil | 0.10 | 0.10 | 2,980 | 2,780 |
| Potatoes, all [1] | 45.82 | 46.61 | 20,990,710 | 19,843,900 |
| Spring | 31.68 | 34.04 | 1,212,720 | 1,004,120 |
| Summer | 41.75 | 40.68 | 819,510 | 781,990 |
| Fall | 47.38 | 47.90 | 18,958,480 | 18,057,790 |
| Spearmint oil | 0.13 | 0.13 | 1,080 | 1,330 |
| Sweet potatoes | 23.45 | 24.54 | 1,201,200 | 1,124,230 |
| Taro (Hawaii) | (NA) | (NA) | 1,590 | 1,410 |

(NA) Not available.
(X) Not applicable.
[1] Production may not add due to rounding.

## 2013 Annual Weather Summary

**Highlights:** Drought remained at the forefront of the weather headlines as the year began, but was soon replaced by concerns about excessive spring wetness in the Corn Belt. The sudden Midwestern wetness hampered corn and soybean planting, delaying the start of the 2013 growing season. Drought persisted, however, across portions of the Great Plains, leading to a sub-par (2012-13) season for Hard Red Winter wheat (HRW). With the westward shift of drought, the spotlight began to focus on California and the Great Basin. Those areas experienced exceedingly dry conditions beginning in January 2013, effectively securing a second consecutive disappointing winter wet season. Later, a feeble start to the West's 2013-14 wet season led to mounting concerns about summer water supplies, especially in areas - such as California - entering a third year of drought.

Eventually, during the second half of the summer, drought returned to parts of the Midwest; however, the lack of excessive heat and the smaller scale drought - compared to 2012 - helped to limit the degree of harm to corn and soybeans. By the end of September, corn condition ratings (55 percent good to excellent; 16 percent poor to very poor) were dramatically opposed to those noted at the same time in 2012 (25 and 50 percent, respectively). Meanwhile, wet conditions prevailed for much of the year across the northern Plains and the Southeast, although an autumn drying trend in the latter region reduced topsoil moisture for the establishment of cool-season crops. In contrast, autumn moisture for HRW establishment was overall much better in 2013 than the previous year. As a result, 62 percent of the United States winter wheat was rated in good to excellent condition by late-November 2013, compared to just 33 percent a year earlier.

Despite some late-year drought expansion in the West, the portion of the contiguous United States covered by drought fell to just 30 percent during December, according to the U.S. Drought Monitor. This represented less than half of the drought coverage at the height of the 2012 drought (65 percent) and at the beginning of the year (61 percent). The last occurrence of United States drought coverage below 30 percent was December 2011.

**Winter 2012-13:** Generally mild weather from the Plains to the Atlantic Seaboard contrasted with colder than normal weather in the West. Elsewhere, February was the coldest month of the winter of 2012-13 east of the Rockies - relative to normal. Conversely, frigid conditions in December and January across the Intermountain West eased somewhat toward the end of winter.

Winter precipitation eradicated drought across much of the lower Southeast. Even as heavy rain triggered lowland flooding across the Deep South, including Florida's panhandle, showers largely bypassed Florida's citrus belt. As a result, producers across Florida's peninsula had to rely on irrigation as warm weather pushed citrus into an early bloom during February.

Farther west, above-normal winter precipitation provided some limited relief to drought-stressed rangeland, pastures, and winter wheat on the Plains. Beneficial winter precipitation also fell across the upper Midwest; however, subsoil moisture shortages persisted, heading into spring, across the Nation's mid-section. In contrast, drought was mostly eliminated before or during winter in the eastern Corn Belt.

Elsewhere, the Western wet season got off to a good start, especially in December. However, unfavorably dry conditions developed as 2013 began and persisted through January and February. As a result, water-supply prospects diminished by the end of winter, especially from California to the central and southern Rockies.

**Spring:** In stark contrast to 2012, cold, wet weather hindered spring planting operations across the northern Plains and much of the Midwest. Significant planting delays also occurred in the Mississippi Delta. Peak periods of Midwestern wetness occurred in April and late-May, resulting in separate rounds of flooding in the middle Mississippi Valley and environs. By the end of spring, lingering drought had been virtually eradicated from the States bordering the Mississippi River to the Atlantic Seaboard. Meanwhile, drought persisted or intensified from California and parts of Oregon to the southern half of the High Plains.

Spring warmth accompanied the Western dryness, leading to a mostly disappointing finish to the snow-accumulation season - and a premature snow-melt period. Only the northern tier of the West escaped without drought impacts. East of

the Rockies, spring was slow to arrive, with snow falling in parts of the upper Midwest through April and into early May. In Minnesota and North Dakota recorded the coldest spring since 1950.

**Summer:** A subtle, late-June drying trend in the western Corn Belt became more pervasive as the summer progressed, encompassing much of the Midwest by the end of August. At the same time, late-summer temperatures climbed sharply, following previously cool conditions, placing immature corn and soybeans under increasingly stressful conditions toward summer's end. In contrast, seemingly incessant summer rainfall in the East hampered fieldwork and adversely affected a variety of fruits, vegetables, and row crops. Farther west, weather patterns across the Plains and Mid-South alternated between wet and dry conditions. The southern High Plains received some rain, but not enough to vanquish the effects of a 3-year drought. Elsewhere, an active monsoon circulation provided mid- to late-summer drought relief in the Southwest, while hot, generally dry conditions affected the interior Northwest.

**Autumn:** Autumn began with inundating rains in Colorado and record-setting precipitation in parts of the Northwest. Colorado's flood event, which lasted about a week and extended to portions of several other States, came at the tail end of an active Southwestern monsoon season. Nearly forgotten amid the Western wetness was the Midwestern warmth that pushed late-developing corn and soybeans toward maturity. In addition, generally dry weather promoted a rapid pace of fieldwork across the eastern half of the Nation.

Winter-like conditions arrived in October across the north-central United States, where an early-month snow storm slammed the Black Hills and neighboring areas. Farther east, Midwestern producers made excellent progress in harvesting corn and soybeans during October despite occasional rain. As autumn progressed, producers also made good progress planting winter wheat, with the only large scale area of concern being a lack of soil moisture on the southern High Plains. By autumn's end, wheat had slipped into dormancy in all but the Nation's southern production areas.

Cold weather expanded during November to encompass the Midwest, South, and East. The cold weather had little effect on late-season harvest activities, although some high moisture content corn remained in the field across the northern Corn Belt as autumn drew to a close. Meanwhile, the Southeast's overall dry autumn ended on a wet note, with a pre-Thanksgiving storm halting fieldwork but boosting topsoil moisture. Farther west, water supply concerns began to mount, as California moved deeper into a potential third consecutive year of sub-par, cold-season precipitation.

**December:** December storminess was widespread, except in the West. In addition, an early-season cold wave gripped much of the West during the first half of the month, possibly harming citrus in California's San Joaquin Valley. Meanwhile, several impressive storms affected the East, where multiple rain and snow events chipped away at autumn precipitation deficits. At times, snow also blanketed portions of the Plains and Midwest, with winter's chill deepening in those regions as the month progressed. By the end of December, temperatures across the upper Great Lakes region rivaled those observed in the West a few weeks earlier. However, the Southeast was spared from the cold weather, with temperatures remaining unusually high through month's end. Elsewhere, most of the Nation's winter wheat moved into its period of dormancy with few concerns. On the Great Plains, well over half of the wheat overall was rated in good to excellent condition at the end of December. However, drought concerns persisted on the southern High Plains, including Texas' northern panhandle.

## 2013 Annual Crop Summary

**April:** Near-normal April temperatures stretching from the Pacific Northwest down to and through the Southwestern and Gulf Coast States and up to New England, provided producers in those areas ample time to prepare fields and begin planting their 2013 crops. Conversely, cold temperatures remained entrenched over the northern Great Plains and portions of the Great Lakes region, where planting progress of row crops and small grains lingered well behind normal. Heavy precipitation throughout portions of the Corn Belt and Southeast hampered fieldwork. Corn producers had planted just 2 percent of the 2013 crop by April 14, fourteen percentage points behind last year and 5 percentage points behind the 5-year average. By April 28, five percent of the corn crop was planted, representing the slowest planting pace since 1984. Significant soil moisture shortages throughout much of the Hard Red growing region negatively impacted winter wheat conditions during March and early April.

**May:** Below-average temperatures coupled with heavy rainfall throughout May hampered fieldwork and crop development across much of the Midwest. Conversely, much of the Southwest totaled 0.1 inch of precipitation or less, forcing some producers to irrigate their crops earlier than normal. Unseasonably cool early-month temperatures limited crop development in many of the major winter wheat-producing States, leading to the slowest heading pace since 1993. Warmer temperatures and limited precipitation provided producers in many areas ample time for fieldwork during the week ending May 19, evidenced by record tying corn planting progress of 43 percentage points. Similarly, double-digit corn emergence occurred in 13 of the 18 major estimating States during the same week. By June 2, heading of the Nation's winter wheat crop was 73 percent complete, 15 percentage points behind last year and 7 percentage points behind the 5-year average. As May began, soybean planting was most advanced in the lower Mississippi Valley States, but overall was well behind normal due to unfavorable planting conditions earlier in the spring. By May 12, six percent of the Nation's soybean crop was planted, 37 percentage points behind last year and 18 percentage points behind the 5-year average. Despite improved conditions by the end of the month, producers Nationwide had planted just 57 percent of this year's soybean crop by June 2, representing the slowest pace since 1996 when 45 percent of the crop was planted on June 2.

**June:** Near-normal temperatures and abundant rainfall blanketed much of the country from the Mississippi River Valley eastward during June, providing favorable conditions for developing summer crops but limiting fieldwork in some areas. Conversely, June delivered hot, dry weather to the Southwest and Four Corners regions, exacerbating prolonged drought conditions and providing little relief for irrigation water supply shortages in some areas. By June 2, sorghum producers had planted 52 percent of the Nation's crop, 23 percentage points behind last year and 8 percentage points behind the 5-year average. While planting was nearing completion ahead of the normal pace across most regions in Texas, progress in Kansas was 13 percentage points, or over 2 weeks, behind normal. As June progressed, producers in Kansas took advantage the days suitable for fieldwork, planting nearly half of their crop during the two weeks ending June 16. Nationally, producers had planted 97 percent of the sorghum crop by June 30, on par with last year but 2 percentage points ahead of the 5-year average. With drought conditions limiting head development in portions of the Great Plains and cool spring temperatures delaying green up earlier in the season, 73 percent of the 2013 winter wheat crop was at or beyond the heading stage by June 2, fifteen percentage points behind last year and 7 percentage points behind the 5-year average. Producers had harvested 43 percent of the Nation's crop by month's end, 30 percentage points behind last year and 9 percentage points behind the 5-year average.

**July:** With the exception of the Northeast, July brought near-normal temperatures to much of the country east of the Rocky Mountains. Compared with recent months, monsoonal moisture benefitted developing summer crops in the Four Corners region; however, additional rainfall was needed to alleviate long-term drought. Elsewhere, a short-term drying trend centered over portions of the Corn Belt negatively affected developing corn and soybeans in some areas. As July began, heading of this year's oat crop was complete or nearing completion in most States; however, progress in North Dakota, Minnesota, and Wisconsin - the three largest producing States - remained well behind normal following significant seeding and emergence delays earlier this year. Progress lagged as the month continued and harvest did not begin in Minnesota and North Dakota until the week ending July 28 and August 4, respectively. Nationwide, 38 percent of the oat crop was harvested by August 4, forty-six percentage points behind last year and 14 percentage points behind the 5-year average. As July began, hot, windy weather left some spring wheat producers in Idaho battling depleted soil moisture levels despite irrigation capabilities, while others chose to chop their crop for silage due to shortages in water supplies. Nationally, spring wheat emergence was virtually complete while 45 percent of the crop was at or beyond the heading stage by July 7, forty percentage points behind last year and 8 percentage points behind the 5-year average. Warmer, drier weather in the northern Great Plains mid-month accelerated crop maturation following delayed seeding earlier this spring; however, spring wheat development remained well behind normal. By July 28, harvest was underway in a limited number of fields across the country.

**August:** Cooler than normal temperatures blanketed much of the country during the first three weeks of the month, but elsewhere, daytime highs in the southern Great Plains – where soil moisture remained less than adequate for most dryland crops – climbed to well over the century mark. By August 4, seventy-nine percent of the soybean crop was at or beyond the blooming stage, 14 percentage points behind last year and 6 percentage points behind the 5-year average. Despite below average temperatures, pod set advanced rapidly in most areas during the first part of the month. During the latter part of the month, reports in Indiana indicated the need for soaking rainfall to benefit soybeans in the pod filling stage. Ninety-two percent of the crop was setting pods by September 1, six percentage points behind last year and 4 percentage

points behind the 5-year average. In Illinois, some soybean fields had started turning yellow at this time. By August 11, barley producers had harvested 17 percent of this year's crop, 34 percentage points behind last year and 4 percentage points behind the 5-year average. Harvest advanced most rapidly in Idaho and Montana, where 21 percent or more of the crop was combined during the week ending August 11. With harvest complete or nearly complete in the Treasure and Magic Valleys, progress in Idaho advanced rapidly under hot, dry conditions. By month's end, 76 percent of the Nation's barley crop was harvested, 14 percentage points behind last year but 5 percentage points ahead of the 5-year average.

**September:** Above-average temperatures in the Great Plains and Mississippi River Valley allowed for the maturation of row crops. Above-average precipitation in the western United States, eastern Texas and the Mississippi Delta helped to alleviate some drought conditions. Eighty-four percent of this year's corn crop was at or beyond the dough stage by September 1, thirteen percentage points behind last year and 5 percentage points behind the 5-year average. Nationwide, 42 percent of the corn crop was at or beyond the dent stage by September 1, forty-two percentage points behind last year and 19 percentage points behind the 5-year average. Nationally, 12 percent of the corn was harvested by September 29, forty percentage points behind last year and 11 percentage points behind the 5-year average. By September 1, ninety-five percent of the rice crop was at or beyond the heading stage. This was 4 percentage points behind last year but slightly ahead of the 5-year average. Producers had harvested 18 percent of the Nation's rice crop by September 1, twenty-one percentage points behind last year and 7 percentage points behind the 5-year average. Rice harvest was nearly complete in some southwestern Louisiana parishes. Fifty-eight percent of the Nation's rice crop was harvested by September 29, seventeen percentage points behind last year and 4 percentage points behind the 5-year average.

**October:** Cooler than normal temperatures blanketed the western half of the United States during October, while near-normal temperatures covered the eastern half of the country. Precipitation was above normal throughout the northern Great Plains, western Corn Belt, western Ohio Valley, and eastern Texas. By the end of the month, cooler and dryer weather conditions promoted rapid fieldwork in the northern Great Plains and western Corn Belt. By October 27, fifty-nine percent of the corn was harvested, 32 percentage points behind last year and 3 percentage points behind the 5-year average pace. Nationwide, 92 percent of the cotton crop had open bolls by October 27, four percentage points behind last year and 2 percentage points behind the 5-year average. Cotton in the Northern and Southern Plains of Texas was developing at the normal pace, but harvest ran slightly behind normal. By October 27, thirty-four percent of the cotton crop was harvested, 13 percentage points behind last year and 10 percentage points behind the 5-year average.

**November:** November temperatures were below normal in the eastern United States but above normal in the western part of the Nation and in Florida. Midwestern tornadoes and accompanying strong straight-line winds that hit an area centering on Illinois on November 17 had little agricultural impact because most harvest activities were complete. Producers Nationwide had sown 91 percent of the intended 2014 winter wheat acreage by November 3, slightly ahead of the 5-year average pace. By November 24, ninety-three percent of the Nation's winter wheat crop had emerged, 5 percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. Soil moisture was adequate for winter wheat development in the central High Plains, but areas of drought in the southern High Plains were placing stress on the emerging crop. Nonetheless, winter wheat conditions remained significantly improved over last year with 62 percent of the crop reported in good to excellent condition on November 24, compared with 33 percent in 2012. Producers had harvested 84 percent of the Nation's peanut crop by November 3, two percentage points behind last year but 6 percentage points ahead of the 5-year average. Dry weather early in the month allowed Georgia producers to harvest 91 percent of the crop by November 10. Harvest was largely complete throughout the Nation's peanut-producing area by the middle of the month, with 97 percent complete by November 17, five percentage points ahead of the 5-year average. Ninety-three percent of this year's sugarbeet crop had been harvested by November 3, four percentage points ahead of last year and 3 percentage points ahead of the 5-year average. During the week ending November 10, producers in Michigan harvested 18 percent of the State's crop. Nationally, 97 percent of the sugarbeet crop was harvested by November 10, slightly behind last year but slightly ahead of the 5-year average.

## Crop Comments

**Corn:** Corn for grain production in the United States is estimated at a record 13.9 billion bushels, down slightly from the November 1 forecast but 29 percent above 2012. The average yield in the United States is estimated at 158.8 bushels per acre. This is down 1.6 bushels from the November forecast but 35.4 bushels above the 2012 average yield of 123.4 bushels per acre.

Estimated yields in 2013 are up sharply from 2012 across many of the major corn producing States. The cool wet weather that delayed planting throughout most of the Corn Belt helped to sustain the crop through the summer months. Yield increases of 30 bushels or more compared with 2012 are estimated in several large corn-producing States. Record yields are estimated in Alabama, Arkansas, California, Delaware, Florida, Indiana, Kentucky, Louisiana, Maryland, Michigan, Mississippi, New Mexico, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, and West Virginia.

Corn planted area, at 95.4 million acres, is down 1.8 percent from 2012. Area harvested for grain is estimated at 87.7 million acres, up slightly from both the November forecast and 2012.

The 2013 corn objective yield data indicate the highest number of ears per acre on record for the combined 10 objective yield States (Iowa, Illinois, Indiana, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin). Record high ear counts were recorded in Illinois, Indiana, Minnesota, Missouri, Nebraska, and Wisconsin.

Corn silage production is estimated at 118 million tons in 2013, up 4 percent from 2012 and represents the highest production in the United States since 1981. The United States silage yield is estimated at 18.8 tons per acre, up 3.4 tons from 2012. Area harvested for silage is estimated at 6.26 million acres, down 15 percent from a year ago.

Planting of the 2013 corn crop was hampered by abnormally wet and cold spring weather. Significant flooding throughout the middle Mississippi Valley during mid-April further added to the frustrations of farmers struggling to get seed in the ground. By April 28, only 5 percent of the crop had been planted, 44 percentage points behind last year's unusually fast pace and 26 percentage points behind the 5-year average.

The cool, wet weather continued into May, giving producers small windows between rain showers to get the crop planted. Drier weather returned by mid-May and set the stage for a record-tying planting progress of 43 percentage points during the week ending on May 19. Double-digit emergence in 13 of the 18 major estimating States also occurred that same week.

By June 2, ninety-one percent of the corn crop had been planted but wet conditions continued to hamper the planting of the remaining acreage. By mid-June, warmer, drier weather conditions had returned to the Midwest, allowing farmers to plant the remainder of their crop as well as giving the emerged crop good growing conditions. By the end of June, crop progress lagged behind normal due to the delayed planting. However, 67 percent of the crop was rated in good to excellent condition by June 30, compared with 48 percent at the same time last year.

During the first part of July, a drying trend took shape in portions of the western Corn Belt as the crop began to enter the critical pollination stage. By July 7, six percent of the crop was silking, 14 percentage points behind the 5-year average pace. The dry weather began to negatively impact soil moisture supplies in parts of Iowa. As July came to a close, scattered showers and cooler temperatures had lessened the dry conditions in much of the Midwest but producers in the central and western Corn Belt were still in need of additional precipitation. As of August 4, eighty-six percent of the crop was at or beyond the silking stage, 12 percentage points behind last year.

August began with much of the Corn Belt continuing to experience below normal temperatures. The late planting of the crop continued to impact the pace of development. As of August 4, only 18 percent of the crop was at or beyond the dough stage, 40 percentage points behind last year and 13 percentage points behind the 5-year average. By the second week of the month, localized showers brought welcome moisture to some areas of Iowa and Wisconsin, while others began to see the onset of dry conditions. By the end of the third week, most of the Western Corn Belt and Southern Great Plains were starting to see soil moisture levels decline from the lack of rain coupled with triple digit temperatures. The drying trend spread eastward with scattered showers providing a respite for some, while others began to see signs of stress in the crop due to lack of moisture. By the end of the month, hot and dry weather returned to most of the Northern Great Plains, Western Corn Belt, and Great Lakes regions. The hot weather helped to rapidly advance crop development, although it still lagged behind the average pace. By September 1, forty-two percent of the crop was at or beyond the dent stage, 42 percentage points behind last year's drought impacted crop and 19 percentage points behind the 5-year average. Despite soil moisture concerns, by September 1, fifty-six percent of the crop was rated in good to excellent condition compared with only 22 percent at the same time last year.

Development of this year's corn crop during September continued to lag behind last year's extremely rapid development. As of September 29, sixty-three percent of the corn acreage was rated mature or beyond, 30 percentage points behind the same time last year and 7 percentage points behind the 5-year average. The lack of maturity delayed harvest with only 12 percent harvested by September 29, 40 percentage points behind last year and 11 percentage points behind the 5-year average pace.

As October began, the corn crop continued to lag behind in development compared with both last year and the 5-year average. Wet weather across much of the Corn Belt affected harvest progress as well with only 12 percent of the crop harvested by the first of the month, 40 percentage points behind last year's drought affected crop and 11 percentage points behind the 5-year average. However, by the third week of the month, the crop began to make headway as 94 percent of the nation's corn crop was mature, slightly behind the 5-year average. Harvest was virtually complete by November 24, when 95 percent of the corn crop had been harvested, four percentage points behind the 5-year average.

**Sorghum:** Grain production in 2013 is estimated at 389 million bushels, down 6 percent from the November 1 forecast but up 58 percent from 2012. Planted area is estimated at 8.06 million acres, up 29 percent from last year. Area harvested for grain, at 6.53 million acres, is up 32 percent from 2012. Average grain yield, at 59.6 bushels per acre, is down 2.6 bushels from the previous forecast but up 9.8 bushels from last year.

Silage production is estimated at 5.42 million tons, up 31 percent from 2012. Area cut for silage is estimated at 380,000 acres, up 5 percent from the previous year. Silage yields averaged 14.3 tons per acre, up 2.9 tons per acre from 2012.

Record high grain yields are estimated for Arkansas, Louisiana, Mississippi, and South Dakota. Meanwhile, yields in Arizona, Georgia, New Mexico, and Texas were down from the previous year due to drought conditions. In South Dakota, grain production is estimated to be the highest on record.

**Oats:** The 2013 production is estimated at 65.9 million bushels, up 3 percent from 2012 but the third lowest production on record. Yield is estimated at 64.0 bushels per acre, up 2.7 bushels from the previous year. Harvested area, at 1.03 million acres, is slightly below last year. This is the second lowest acreage harvested for grain on record. Record low acres were planted in California, Georgia, North Carolina, Ohio, Oregon, South Carolina, Texas, and Virginia. Producers harvested record low acreage in Kansas, Idaho, Minnesota, North Carolina, Ohio, Pennsylvania, South Carolina, Wisconsin, and Virginia.

Favorable growing conditions in the Northern Great Plains and the Ohio Valley promoted significant yield increases compared with 2012. Drought conditions in the Southern Great Plains led to a large decline in yield from last year. During early spring, planting and emergence of the oat crop was behind the normal pace. By April 14, producers Nationwide had sown 39 percent of this year's oat crop, 33 percentage points behind last year and 10 percentage points behind the 5-year average. Cold temperatures and above average precipitation hampered fieldwork in many areas. Fifty-seven percent of this year's oat crop was seeded by May 5, thirty-six percentage points behind last year and 19 percentage points behind the 5-year average. In Minnesota and North Dakota, two of the three largest oat-producing States, producers maximized a limited number of days suitable for fieldwork as they seeded their crop. Through June, crop development remained behind normal in most major oat-producing States. As of June 24, fifty-three percent of the oat acreage was headed, 12 percentage points behind the 5-year average. At the end of July, 27 percent of the oat acreage was harvested, 6 percentage points behind the normal pace. By August 26, eighty-three percent of the oat acreage was harvested, 5 percentage points ahead of the five-year average.

**Barley:** Production is estimated at 215 million bushels, down 2 percent from 2012. Average yield per acre, at 71.7 bushels, is up 3.8 bushels from the previous year. Producers seeded 3.48 million acres in 2013, down 4 percent from last year. Harvested area, at 3.00 million acres, is down 8 percent from 2012.

By Mid-April, barley seeding was ahead of normal in the Pacific Northwest, while cool weather and poor field conditions delayed planting in Minnesota and North Dakota. By the end of April, barley planting was 30 percent complete, 32 percentage points behind 2012 and 7 percentage points behind the 5-year average. By mid-May, high winds and drier

weather helped growers in Minnesota and North Dakota catch up on planting progress. Barley was 35 percent emerged by May 19, twelve percentage points behind the 5-year average. Heavy rainfall in the Great Lakes region limited fieldwork to only 4 days during the last two weeks of May. By the end of May, North Dakota emergence was behind due to flooding and crusted fields. By June 2, sixty-six percent of the crop was in good to excellent condition, 3 percentage points behind the previous year. Drier weather by mid-June helped North Dakota growers get additional acres planted; however, progress remained 3 weeks behind normal on June 16. Nationally, 97 percent of the barley was sown and 94 percent had emerged by June 30. Warm, mostly dry weather helped the crop mature quickly in the Pacific Northwest by the end of June. Hot, dry weather extended across the Great Plains through the end of July allowing for 98 percent of the crop to be at or beyond the heading stage by July 28. By August 11, barley producers had harvested 17 percent of this year's crop, 34 percentage points behind last year and 4 percentage points behind the 5-year average. Harvest advanced most rapidly in Idaho and Montana. By the end of August, 76 percent of the Nation's barley crop was harvested, 14 percentage points behind last year but 5 percentage points ahead of the 5-year average.

**All wheat:** Production is estimated at 2.13 billion bushels in 2013, down 6 percent from 2012. Grain area totaled 45.2 million acres, down 8 percent from the previous year. The United States yield is estimated at a record high of 47.2 bushels per acre, up 0.9 bushel from the previous year. The levels of production and changes from 2012 by type are winter wheat, 1.53 billion bushels, down 7 percent; other spring wheat, 534 million bushels, down 2 percent, and Durum wheat, 61.9 million bushels, down 25 percent.

**Winter wheat:** The 2013 winter wheat production totaled 1.53 billion bushels, down 7 percent from the previous year. The United States yield, at 47.4 bushels per acre, is up slightly from 2012 and represents the second highest yield on record, 0.4 bushel below 1999. Area harvested for grain is estimated at 32.4 million acres, down 7 percent from the previous year.

Planted acres were up from 2012 in most of the major Hard Red Winter (HRW) growing States. Particularly large acreage increases were experienced in Kansas, Nebraska, Oklahoma, and Texas. Conversely, Montana and North Dakota had large decreases in planted acres from the previous year. Harvested acres were down substantially across the HRW region, with large decreases in Colorado, the Dakotas, Kansas, Montana, Nebraska, Oklahoma, and Texas. A record high yield is estimated in New Mexico. Nationally, HRW production totaled 744 million bushels, down 26 percent from 2012. Record high production is estimated in Nevada, up 17 percent from last year.

In the Soft Red Winter (SRW) growing area, planted and harvested acreage increases from 2012 were experienced throughout the region, with producers in North Carolina seeding and harvesting the largest acreage on record. Record high yields were realized in Arkansas, Florida, Georgia, Illinois, Indiana, Kentucky, New York, Pennsylvania, and Tennessee. SRW production totaled 565 million bushels, up 35 percent from 2012. Record production was recorded in Kentucky, Maryland, North Carolina, and Tennessee.

White winter production totaled 225 million bushels, up 2 percent from the previous year. Harvested acreage in the Pacific Northwest (Idaho, Oregon, and Washington) was below 2012's level. Yields were also down from last year in most Pacific Northwest States.

**Other spring wheat:** Production for 2013 is estimated at 534 million bushels, down 2 percent from 2012. Harvested area totaled 11.3 million acres, down 6 percent from last year. The United States yield is estimated at a record high 47.1 bushels per acre, up 2.1 bushels from last year.

Due to wet spring conditions, planting got off to a slow start in North Dakota and Minnesota. By April 14, producers had sown 6 percent of the Nation's spring wheat crop, 27 percentage points behind last year and 7 percentage points behind the 5-year average. By May 12, seeding delays of over three weeks and over two weeks were evident in Minnesota and North Dakota respectively, due to unseasonable weather conditions and limited fieldwork. Crop maturation continued behind normal throughout the growing season for all States. As a result, sixty-four percent of the spring wheat crop was harvested by September 1, twenty-nine percentage points behind last year and 5 percentage points behind the 5-year average.

**Durum wheat:** Production for 2013 is estimated at 61.9 million bushels, down 25 percent from 2012. Grain area

harvested totaled 1.42 million acres, down 33 percent from the previous year. The United States yield is estimated at 43.6 bushels per acre, up 4.8 bushels from 2012 and the second highest yield on record. Production in Idaho is down 15 percent from last year and represents a record low for the State.

Due to excessive moisture this season, crop development has progressed significantly behind normal in Montana and North Dakota, the two largest Durum-producing States. As a result, harvest progress in North Dakota and Montana as of September 1 was well behind last year and the 5-year average.

**Rice:** Production in 2013 is estimated at 190 million cwt, up 1 percent from the previous forecast but down 5 percent from 2012. Planted area is estimated at 2.49 million acres, down 8 percent from 2012. Area harvested, at 2.47 million acres, is also down 8 percent from the previous crop year. The average yield for all United States rice is estimated at a record high 7,694 pounds per acre, up 34 pounds from the previous forecast and 245 pounds above the previous record high set in 2012.

Good growing conditions and new seed varieties, combined with dry weather conditions at harvest, led to record setting yields in Arkansas, Louisiana, Mississippi, and Missouri.

**Rye:** Production for 2013 is estimated at 7.67 million bushels, up 10 percent from 2012. Harvested area totaled 278,000 acres, up 30,000 acres from 2012. The United States yield, at 27.6 bushels per acre, is down 0.4 bushel from the previous year. Favorable growing conditions in the Southern Great Plains and the Southeast led to increases in harvested acres from a year earlier.

**Proso millet:** Production of proso millet in 2013 totaled 18.4 million bushels, compared to 3.09 million bushels produced in 2012. Area planted to proso millet in the United States is estimated at 720,000 acres, up 385,000 acres from 2012. Area harvested in the United States, at 638,000 acres, is up 433,000 acres from last year and is the highest since records began to be published in 1999. The average yield for 2013 is estimated at 28.9 bushels per acre, up 13.8 bushels from last year.

**All hay:** Production of all dry hay for 2013 is estimated at 136 million tons, down 3 percent from the August 1 forecast but up 13 percent from the 2012 total. Area harvested is estimated at 58.3 million acres, up 2 percent from the August 1 forecast and up 4 percent from last year. The average yield, at 2.33 tons per acre, is down 0.14 ton from August but up 0.20 ton from the previous year.

**Alfalfa and alfalfa mixtures:** Production in 2013 is estimated at 57.6 million tons, down 4 percent from the August 1 forecast but up 11 percent from 2012. Harvested area, at 17.8 million acres, is up less than 1 percent from the August 1 forecast and 3 percent above the previous year. Average yield is estimated at 3.24 tons per acre, 0.15 ton below the August 1 forecast but up 0.23 ton from 2012.

Alfalfa production is generally up across the country as hay conditions improved over the drought-affected crop of 2012. Exceptions occurred in the Southwest, where producers noted that dry conditions had a major negative impact on their ability to cut non-irrigated alfalfa hay.

**All other hay:** Production in 2013 totaled 78.4 million tons, down 2 percent from the August 1 forecast and 16 percent above 2012. Harvested area, at 40.5 million acres, is up 4 percent from both August and last year. Average yield is estimated at 1.93 tons per acre, down 0.12 ton from August but up 0.19 ton from last year.

Other dry hay production also rebounded from the drought-affected crop of 2012. However, dry conditions in the Southwest hindered non-irrigated production, while untimely rainfall in the Mississippi Delta led to hay quality issues because producers were unable to bale mowed hay.

**Forage:** Eighteen States are included in the forage estimation program, which measures annual production of forage crops, with an emphasis on total alfalfa production. Haylage and greenchop production is converted to 13 percent moisture and combined with dry hay production to derive the total forage production. The total 2013 all haylage and greenchop production for the 18 States in the forage program is 28.0 million tons, of which 18.5 million tons are from alfalfa and alfalfa mixtures. The total all haylage production is up 6 percent from last year. The 18-State total for all

forage production is 89.6 million tons, an increase of 13 percent from last year. Of this, 46.0 million tons were produced from alfalfa and alfalfa mixtures.

**New seedings of alfalfa and alfalfa mixtures:** Growers seeded 2.52 million acres of alfalfa and alfalfa mixtures during 2013, up 5 percent from 2012. This represents the second consecutive year of increased seeded area, but it is still the third smallest seeded area of alfalfa and alfalfa mixtures for the United States. The new seedings of alfalfa and alfalfa mixtures will normally be harvested for the first time in the year following planting.

**Peanuts:** Production is estimated at 4.17 billion pounds, up 7 percent from the previous forecast but down 38 percent from 2012. Planted area is estimated at 1.07 million acres while area harvested is estimated at 1.04 million acres. Planted and harvested acres are both down 35 percent from the previous crop year. Average yield is estimated at 4,006 pounds per acre, up 219 pounds from the previous forecast but down 211 pounds from 2012.

Coming off record high production and average yield for the United States in 2012, peanut producers reduced acres in 2013. Yields increased in Florida, New Mexico, Oklahoma, and Texas but decreased in Alabama, Georgia, Mississippi, North Carolina, South Carolina, and Virginia. Condition of the crop was rated mostly good to excellent during the growing season. Florida is the only state reporting a record high yield.

**Canola:** Production in 2013 is estimated at 2.21 billion pounds, down 10 percent from 2012. Production for the United States is the third largest on record since records began in 1991. The average yield, at 1,748 pounds per acre, is up 332 pounds from last year's yield and is the second highest on record. Planted area is estimated at 1.35 million acres, 24 percent below last year's record high acreage. Harvested area, at 1.26 million acres, is down 27 percent from 2012.

Production in North Dakota, the leading canola-producing State, is estimated at 1.67 billion pounds, down 18 percent from last year but is the fourth highest on record. Planted area in North Dakota is down 37 percent from last year's record high. Wet conditions and cool temperatures this spring in North Dakota led to planting delays as well as a reduction in planted area.

**Sunflower:** The 2013 sunflower production totaled 2.03 billion pounds, down 27 percent from 2012 and the lowest since 1989. The United States average yield per acre decreased 134 pounds from last year to 1,379 pounds. Planted area, at 1.58 million acres, is 18 percent below last year and is the second lowest since 1976. Area harvested decreased 20 percent from last year to 1.47 million acres.

For the second time since data for both States began to be published in 1977, South Dakota out-produced North Dakota to be the leading sunflower-producing State during 2013. Production in South Dakota is estimated at 997 million pounds, an increase of 12 percent from 2012. Meanwhile, production in North Dakota declined 58 percent due to a combination of planted acreage decreasing 42 percent and yield declining 457 pounds from last year. Cool temperatures and wet conditions this spring sharply reduced the amount of sunflower that was able to be seeded. Compared with last year, Minnesota and North Dakota were the only States of the nine major sunflower-producing States with a decrease in yield.

United States production of oil-type sunflower varieties, at 1.65 billion pounds, decreased 31 percent from 2012. Compared with last year, harvested acres are down 24 percent and the average yield decreased by 147 pounds, to 1,361 pounds per acre.

Production of non-oil sunflower varieties is estimated at 386 million pounds, a slight increase from last year. Area harvested, at 264,700 acres, is up 6 percent from 2012. The average yield decreased by 90 pounds from last year to 1,458 pounds per acre.

Harvest of sunflowers began in late September but progressed behind normal in Colorado, North Dakota, and South Dakota. As of October 20, only 12 percent of the crop was harvested in the four major States, 57 percentage points behind last year and 20 percentage points behind normal. By the beginning of November, progress was ahead of normal in Colorado and Kansas, but lagged behind normal in the Dakotas. As of December 2, by which time harvest is normally near completion, only 87 percent of the sunflower in North Dakota and 91 percent of the crop in South Dakota had been harvested.

**Soybeans:** Production in 2013 totaled 3.29 billion bushels, up 1 percent from the November 1 forecast and up 8 percent from 2012. United States production is the third largest on record. The average yield per acre is estimated at 43.3 bushels, 0.3 bushel above the November 1 forecast and 3.5 bushels above last year's yield. Planted area for the Nation, at 76.5 million acres, is down less than 1 percent from last year and is the fourth largest on record. Soybean growers harvested 75.9 million acres, up fractionally from the November 1 forecast but down slightly from last year.

Compared with last year, yields were up or unchanged across most of the Corn Belt, with the exception being the northern States where a wet and cool spring led to planting delays followed by slower than normal crop development. Atlantic States from Maryland to South Carolina saw yields decline from last year due to a combination of planting delays for double crop soybeans and stretches of dry weather. Record high yields occurred in Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, New York, Ohio, Pennsylvania, and Tennessee.

The 2013 soybean objective yield survey data indicate that final average pod counts were higher than last year in nine of the eleven objective yield States. Compared with last year, pod counts were up more than 200 pods per 18 square feet in Illinois, Indiana, Kansas, Missouri, Nebraska, and South Dakota as growing conditions were much improved.

Planting conditions this spring were much worse than last year as cool and wet conditions delayed planting in many areas of the Corn Belt and Delta. Planting of this year's soybean crop wasn't underway in all 18 major States until mid-May. As of May 26, only 44 percent of the intended soybean crop had been planted, 43 percentage points behind last year's pace and 17 percentage points behind normal. During the first part of June, conditions did allow good progress to be made in many areas, and by June 16, soybean planting had reached 85 percent complete, 13 percentage points behind last year's pace and 6 percentage points behind normal. However, planting progress at that time still lagged behind normal by 15 percentage points or more in Iowa, Kentucky, Minnesota, North Carolina, Tennessee, and Wisconsin.

Fourteen percent of the soybean crop had emerged by May 26, forty-three percentage points behind last year's pace and 16 percentage points behind normal. Emergence advanced to 66 percent by June 16, with progress in all 18 major States behind the 5-year average with the exception of Indiana, Michigan, and Ohio, and was 25 percentage points or more behind normal in Iowa, Minnesota, North Dakota, and Wisconsin. Progress for blooming and setting pods followed a very similar pattern to emergence for soybeans, as progress for both remained several points behind last year's pace and the 5-year average throughout June and July. As of August 4, seventy-nine percent of the Nation's crop was blooming, 14 percentage points behind last year and 6 percentage points behind normal. Thirty-nine percent of the acreage was setting pods by August 4, thirty percentage points behind last year and 12 percentage points behind the 5-year average.

Development of the crop continued to progress behind normal throughout the month of August. By September 1, ninety-two percent of the soybean crop was at or beyond the pod-setting stage, 6 percentage points behind last year and 4 percentage points behind normal. Through September, development remained behind normal and last year's pace. As of September 29, sixty-seven percent of the crop was dropping leaves, 16 percentage points behind last year and 7 percentage points behind the 5-year average.

Condition of the soybean crop was rated above last year's crop throughout most of the growing season as conditions were generally much improved from last year when drought conditions in major growing areas hampered crop development. As of September 30, fifty-three percent of the United States soybean crop was rated in good to excellent condition, 18 percentage points above the same week in 2012.

Soybean harvest in the 18 major States was 11 percent complete at the end of September, 28 percentage points behind last year's pace and 9 percentage points behind normal. Progress was behind normal in all 18 States except for Arkansas, Louisiana, and Ohio. Conditions during October allowed harvest progress to reach the normal pace by the beginning of November when 86 percent of the crop was harvested, 6 percentage points behind last year but 1 percentage point ahead of normal. Harvest progress reached 95 percent on November 17, three percentage points behind last year and 1 percentage point behind the 5-year average. At that time, only Kentucky and Tennessee remained more than 5 percentage points behind normal.

**Flaxseed:** Production of flaxseed in 2013 totaled 3.36 million bushels, down 41 percent from last year but 20 percent higher than the amount produced in 2011. Harvested area totaled 172,000 acres in 2013, down 48 percent from last year. Harvested acreage in North Dakota, the largest flaxseed-producing State, at 146,000 acres, is down 53 percent from 2012 and down 1,000 acres from 2011. The average United States yield for 2013, at 19.5 bushels per acre, is up 2.4 bushels from 2012.

**Safflower:** Production of safflower in 2013, at 209 million pounds, is up 17 percent from 2012 but is the fifth lowest production since records began in 1991. Growers planted 175,500 acres in 2013, an increase of 3 percent from last year's planted area. Harvested area, at 170,000 acres, is up 6 percent from the previous year. Average yield, at 1,232 pounds per acre, increased 111 pounds from 2012. The yield in Montana was the highest on record, more than 20 percent above the previous record high.

**Other Oilseeds:** Mustard seed production for 2013 increased 23 percent from last year to 36.7 million pounds. Planted area, at 45,000 acres, is down 12 percent from 2012. Harvested area, at 43,400 acres, is down 13 percent from last year. The average yield, at 846 pounds per acre, is 244 pounds above last year's yield.

Rapeseed production decreased 60 percent from last year to 1.94 million pounds. Growers planted 1,700 acres of rapeseed in 2013, a decline of 600 acres from last year. Harvested area, also at 1,700 acres, is down 500 acres from last year. The average yield is 1,141 pounds per acre, down 1,077 pounds from last year and is the fifth lowest yield since records began in 1991.

**Cotton:** Upland cotton production is estimated at 12.6 million 480-pound bales, up 1 percent from the December 1 forecast but down 24 percent from last year. The United States yield for Upland cotton is estimated at 807 pounds per acre, up 19 pounds from last month but down 62 pounds from 2012. Upland planted area, estimated at 10.2 million acres, is down 15 percent from last year. Harvested area, at 7.47 million acres, is down 2 percent from last month and down 18 percent from last year.

Record high Upland yields are forecast in Arkansas, Louisiana, and Mississippi. In Louisiana, objective yield data forecasted boll weights to be the highest on record. Objective yield data in Mississippi forecasted a record high number of bolls per acre and boll weight.

American Pima producers planted 201,000 acres, down 16 percent from last year. Harvested area, at 199,400 acres, is down 16 percent from last year. Production is estimated at 635,700 bales (480-pound), up 2 percent from the September 1 forecast but down 18 percent from last year. The United States yield is estimated at 1,530 pounds per acre, up 20 pounds from the September 1 forecast but down 51 pounds from last year.

Ginnings totaled 11,420,550 running bales prior to January 1, compared with 15,326,900 running bales ginned prior to the same date last year.

**Cottonseed:** Production for 2013, based on a 3-year average lint-seed ratio, is expected to total 4.41 million tons, down 22 percent from last year.

**Tobacco:** United States all tobacco production for 2013 is estimated at 724 million pounds, down 1 percent from the September forecast and 5 percent below last year. Growers harvested 355,675 acres, up 2 percent from the previous forecast and 6 percent above a year ago. Yield per acre averaged 2,036 pounds per acre, down 52 pounds from the previous forecast and 232 pounds lower than 2012.

Flue-cured tobacco production is estimated at 454 million pounds, up 3 percent from the previous forecast but 4 percent lower than last year. Harvested acres totaled 228,800 acres in 2013, up 5 percent from the September 1 forecast and 11 percent above a year ago. Yields averaged 1,986 pounds per acre, 38 pounds below the last forecast and down 310 pounds from 2012. North Carolina growers reported that consistent rainfall has flooded fields and reduced the quality of tobacco.

Burley production totaled 192 million pounds, down 5 percent from the September forecast and 6 percent below last year. Growers harvested 99,000 acres, down 4 percent from the previous forecast and 2 percent below 2012. Yields averaged 1,944 pounds per acre, 22 pounds below September and 77 pounds below a year ago. Kentucky and Tennessee growers reported storm damage and excess moisture affecting crop yields.

**Sugarbeets:** Production for 2013 is estimated at 32.8 million tons, up slightly from the November 1 forecast but down 7 percent from last year. Growers in the 10 major sugarbeet-producing States planted 1.20 million acres, down 3 percent from last year. Harvested area, at 1.15 million acres, is down 4 percent from the previous year. Estimated yield, at 28.5 tons per acre, is up 0.8 ton from the November forecast but 0.8 tons below last year.

Planting began behind schedule due to a cold, wet spring; but a wet and extended fall season helped produce favorable yields.

**Sugarcane:** Production of sugarcane for sugar and seed in 2013 is estimated at 32.2 million tons, of which 30.5 million tons was utilized for sugar and 1.74 million tons for seed. Total production for sugar and seed is unchanged from the December 1 forecast and down slightly from 2012. Sugarcane producers harvested 905,600 acres for sugar and seed in 2013, unchanged from the December forecast but up slightly from last year. Yield for sugar and seed is estimated at 35.6 tons per acre, unchanged from the December forecast but down 0.1 tons from 2012.

In Louisiana, rainfall caused a late start to harvesting while a freeze later in the season slowed down harvesting. Florida reported very good growing conditions this season. Production in Hawaii was up slightly from last year despite drought conditions on the island of Maui since the entire crop is irrigated.

**Dry beans:** Production of dry edible beans is estimated at 24.5 million cwt, down 23 percent from last year. Planted area is estimated at 1.35 million acres, down 22 percent from 2012. Harvested area is estimated at 1.31 million acres, 22 percent below the previous year. The average United States yield is estimated at 1,867 pounds per acre, a decrease of 22 pounds from last year's record setting yield.

In North Dakota, wet weather delayed and in some cases prevented planting this year. Harvest began in early September and was completed by early November, well behind last year. In Michigan, harvest began in mid-September and finished by the end of November. Limited rainfall in August reduced yields. In Minnesota, the crop was 96 percent harvested as of October 27, nearly one month behind last year. Planting and development stages were behind last year and a normal pace.

**Lentils:** Production of lentils is estimated at 5.02 million cwt, down 5 percent from last year. Area for harvest is estimated at 347,000 acres, down 23 percent from the previous year. Average yield totaled 1,446 pounds per acre, up 268 pounds from 2012.

In North Dakota, planting began in early-May, about three weeks behind last year's pace due to wintry conditions. Planting was complete by mid-July, about 6 weeks behind 2012. Harvest started in mid-September and was essentially finished by October 20, about three weeks behind the average pace. In Montana, cooler wet spring conditions delayed planting and crop development remained behind a normal pace.

**Wrinkled seed peas:** Production is estimated at 275,000 cwt in 2013, down 32 percent from 2012. Production in both Idaho and Washington decreased from a year ago.

**Dry edible peas:** Production of dry edible peas is estimated at 15.6 million cwt, up 44 percent from last year. Planted area, at 860,000 acres, and harvested area, at 797,000 acres, increased by 33 percent and 28 percent, respectively. Average yield is estimated at 1,960 pounds per acre, up 209 pounds from 2012.

In Montana, producers began harvest in late-July and were finished by mid-September. In North Dakota, planting was 95 percent complete by June 30. Harvest started in early-August and was 97 percent finished by the week ending September 15. Crop condition was rated mostly fair to good throughout the entire growing season.

**Austrian winter peas:** Planted area is estimated at 18,000 acres, down 5 percent from last year. Area harvested is expected to total 14,100 acres, up 3 percent from last year. Yield, at 1,617 pounds, is up 398 pounds from last season. Production, at 228,000 cwt, is up 37 percent from 2012.

**All potatoes:** Total 2013 United States potato production is estimated at 437 million cwt, 5 percent below the 2012 crop. Harvested area, at 1.05 million acres, is down 7 percent from last year. The average yield, at 416 cwt per acre, is up 7 cwt from last year.

**Spring potatoes:** Production for 2013 is estimated at 22.1 million cwt, up 1 percent from the May 1 forecast but down 17 percent from 2012. Harvested area totaled 72,900 acres, up 3 percent from the previous forecast but down 23 percent from a year ago. The average yield of 304 cwt per acre is down 4 cwt from the May 1 forecast but up 21 cwt from 2012. Beginning in 2013, Texas estimates for spring potatoes are included in summer potatoes.

**Summer potatoes:** Production of summer potatoes is estimated at 17.2 million cwt, down 5 percent from 2012. Harvested area is estimated at 47,500 acres, 2 percent below last year. Average yield is estimated at 363 cwt per acre, down 10 cwt from 2012. Beginning in 2013, Colorado estimates for summer potatoes are included in fall potatoes.

**Fall potatoes:** Production of fall potatoes for 2013 is estimated at 398 million cwt, down slightly from the November forecast and down 5 percent from last year. Area harvested, at 931,100 acres, is down slightly from the November forecast and 6 percent lower than last year. The average yield is estimated at 427 cwt per acre, down 2 cwt from the November forecast but up 4 cwt from last year's yield.

In Idaho, potatoes were reported to be of good quality although yields were down from the previous year. Maine growers reported ideal planting conditions followed by extreme weather that stressed the developing crop. Excessive moisture resulted in a crop that was heavy yielding but not storing well. In North Dakota, weather conditions delayed planting and crop development remained behind normal for the season. Growers in Washington indicated that high temperatures reduced yields. In Wisconsin, growing conditions were near ideal after a wet spring and a late frost allowed for additional growth.

**Sweet potatoes:** Production of sweet potatoes in 2013 is estimated at 24.8 million cwt, down 6 percent from last year. Growers harvested 113,200 acres, down 11 percent from last year. Yield per acre, at 219 cwt, is up 10 cwt from last year.

In North Carolina, wet conditions prevented growers from planting their intended acreage. Alabama growers reported poor crop conditions due to extremely wet weather. In California, yields were above average. The crop in Florida benefitted from timely rains and warm temperatures throughout the growing season. In Louisiana, timely rains and favorable temperatures resulted in a record high yield.

**Peppermint oil:** Production in 2013 is estimated at 6.13 million pounds, down 7 percent from last year. Harvested area is estimated at 68,800 acres, down 9 percent from 2012. Average yield is estimated at 89 pounds of oil per acre, up 2 pounds from last year.

**Spearmint oil:** Production is estimated at 2.93 million pounds for 2013, up 22 percent from last year. Harvested area is estimated at 24,500 acres, up 23 percent from 2012. Average yield is estimated at 119 pounds of oil per acre, down 1 pound from last year.

**Hops:** Production for Idaho, Oregon, and Washington in 2013 totaled 69.3 million pounds, up 13 percent from the 2012 crop. Production increased in all three States; 39 percent in Idaho, 13 percent in Washington, and 1 percent in Oregon. Acreage also increased in all three States; 39 percent in Idaho, 8 percent in Washington, and 7 percent in Oregon. Yields decreased in Idaho and Oregon, but increased in Washington. United States yield, at 1,969 pounds per acre, increased 51 pounds from a year ago. Funding for the 2013 hop survey was provided by the Hop Growers of America.

Washington growers produced 79 percent of the United States hop crop for 2013. Zeus, Cascade, Columbus/Tomahawk, and Summit were the leading varieties in Washington, accounting for 51 percent of the State's hop crop. In Oregon,

Nugget and Willamette were the major varieties, accounting for 50 percent of the State's hop production. In Idaho, Zeus, Cascade, and Apollo were the major varieties, accounting for 52 percent of the State's hop production.

**Maple syrup:** The 2013 United States maple syrup production totaled 3.25 million gallons, up 70 percent from last year. The number of taps is estimated at 10.6 million, 8 percent above the 2012 total of 9.77 million. Yield per tap is estimated at 0.308 gallon, up 58 percent from the previous season. All States showed an increase in production from 2012.

**Coffee:** Hawaii coffee production is estimated at 7.00 million pounds (parchment basis) for the 2013-2014 season, unchanged from the previous season. Damage caused by the Coffee Berry Borer and limited precipitation continues to have a negative impact on the crop's potential.

**Taro:** Hawaii taro production for the 2013 crop year is 3.10 million pounds, down 11 percent from the previous year. Area in crop, at 400 acres, is unchanged from 2012. Drought conditions and reported problems with water delivery impacted overall production.

## Statistical Methodology

**Survey procedures:** The estimates in this report are based primarily on surveys conducted the first two weeks of December. The December Agricultural Survey (DAS) is a probability survey that includes a sample of over 82,000 farm operators selected from a list of producers that ensures all operations in the United States have a chance to be selected. These operators were contacted by mail, internet, telephone, or personal interview to obtain information on crop acreage, yield and production for the 2013 crop year.

**Estimating procedures:** National and State level objective yield and farm operator reported data (DAS) were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared with previous years. Each Field Office submits an estimate and written analysis for their State to the Agricultural Statistics Board (ASB). The ASB uses the survey data, administrative data, and the State analysis to prepare the estimates published in this report.

**Revision policy:** Estimates contained in this report may be revised the following year, if new information is available that would justify a change. Estimates will also be reviewed after data for the 5-year Census of Agriculture are available. No revisions will be made after that date.

**Reliability:** The surveys used to make the acreage, yield, and production estimates contained in this report are subject to sampling and non-sampling type errors that are common to all surveys. Reliability of the objective yield and farmer survey must be treated separately because the survey designs for the two surveys are different. The objective yield indications (corn, cotton, and soybeans) are subject to sampling variability because all acres of a given commodity are not included in the sample.

The farm operator survey indications are also subject to sampling variability because not all operations with commodities of interest are included in the sample. This variability, as measured by the relative standard error at the National level, is approximately 1.4 for corn, 3.3 for Upland cotton and 1.4 for soybeans. This means that chances are approximately 95 out of 100 that survey estimates for production will be within plus or minus 2.8 percent for corn, 6.6 percent for Upland cotton, and 2.8 percent for soybeans.

Survey indications are also subject to non-sampling errors such as omission, duplication, imputation for missing data, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

## Information Contacts

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