# ARIZONA CROPS

## MAY 2000

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**ARIZONA COTTON**

Final figures on Arizona's 1999 cotton crop have been released and are as follows: Acreage planted to upland total 270,000, with 269,000 acres harvested, yielding 1,278 pounds per acre resulting in a final production of 716,000 bales. Pima cotton planted acreage totaled 9,000 acres, with 8,900 acres harvested, yielding 879 pounds per acre, for a total production of 16,300 bales.

**UNITED STATES COTTON**

The 1999 United States all cotton production totaled 17.0 million bales in 1999, 22 percent above the 1998 production level. The 1999 output is the ninth largest crop on record Upland cotton production, at 16.3 million bales, was 21 percent above the previous year. American-Pima production totaled 674,300 bales, up 52 percent from 1998.

The area planted to all cotton totaled 14.9 million acres, up 11 percent from 1998. Harvested area was 13.4 million acres, up 26 percent from last year. The increases in planted acreage were attributable to the favorableness of cotton as an alternative crop during times of low prices. Harvested acreage increased due to more traditional abandonment levels than in 1998, when high abandonment occurred due to extremely dry conditions. Yields for the U.S. averaged 607 pounds per harvested acre.

**ARIZONA AND CALIFORNIA COTTON PRODUCTION HIGHLIGHTS**

Arizona increased the acreage planted to Upland cotton in 1999, while California decreased planted acres. Arizona planted 270,000 acres, an 8 percent increase from last year, while California planted 610,000 acres, 6 percent less than in 1998. Unseasonably cool weather hampered planting activities, resulting in a late developing crop. Despite the slow development, condition ratings remained high throughout the season. Warm, dry weather allowed great harvest progress during October and November, with California being virtually complete by the end of November. January 1 cotton objective yield counts show boll weights in California were the lowest in the last ten years. California producers increased American-Pima planted acres 20 percent from 1998, to 240,000 acres. Planting in the San Joaquin Valley began in late March, but made very little progress until mid-April. The harvest was nearly complete by mid-December and some growers picked a third time in order to get the last few late-opening bolls.

**COTTON: AREA PLANTED AND HARVESTED AND YIELD BY TYPE, STATE, AND UNITED STATES, 1998-99 1/**

| Type and State | Area Planted | | Area Harvested | | Yield | |
|---|---|---|---|---|---|---|
| | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 |
| | 1,000 Acres | | | | Lbs | |
| **Upland** | | | | | | |
| AL | 495.0 | 565.0 | 475.0 | 561.0 | 559 | 535 |
| **AZ** | **250.0** | **270.0** | **248.0** | **269.0** | **1,177** | **1,278** |
| AR | 920.0 | 970.0 | 900.0 | 960.0 | 645 | 710 |
| CA | 650.0 | 610.0 | 620.0 | 605.0 | 887 | 1,254 |
| FL | 89.0 | 107.0 | 80.0 | 106.0 | 489 | 516 |
| GA | 1,370.0 | 1,470.0 | 1,280.0 | 1,300.0 | 578 | 579 |
| KS | 17.0 | 33.0 | 16.5 | 28.0 | 404 | 375 |
| LA | 535.0 | 615.0 | 525.0 | 610.0 | 586 | 709 |
| MS | 950.0 | 1,200.0 | 940.0 | 1,180.0 | 737 | 704 |
| MO | 370.0 | 380.0 | 357.0 | 377.0 | 471 | 611 |
| NM | 66.3 | 84.0 | 60.3 | 79.0 | 640 | 662 |
| NC | 710.0 | 880.0 | 705.0 | 825.0 | 699 | 475 |
| OK | 160.0 | 240.0 | 120.0 | 150.0 | 560 | 461 |
| SC | 290.0 | 330.0 | 286.0 | 315.0 | 587 | 428 |
| TN | 450.0 | 570.0 | 445.0 | 565.0 | 589 | 505 |
| TX | 5,650.0 | 6,150.0 | 3,300.0 | 5,100.0 | 524 | 475 |
| VA | 92.0 | 110.0 | 91.0 | 108.0 | 765 | 635 |
| US | 13,064.3 | 14,584.0 | 10,448.8 | 13,138.0 | 619 | 595 |
| **American-Pima** | | | | | | |
| **AZ** | **15.9** | **9.0** | **15.5** | **8.9** | **830** | **879** |
| CA | 200.0 | 240.0 | 180.0 | 239.0 | 941 | 1,210 |
| NM | 7.3 | 7.5 | 7.3 | 7.0 | 658 | 734 |
| TX | 105.0 | 33.0 | 32.0 | 32.0 | 791 | 669 |
| US | 328.2 | 289.5 | 234.8 | 286.9 | 904 | 1,128 |

*1/ 1999 revised.*

**COTTONSEED: PRODUCTION AND FARM DISPOSITION BY STATE AND UNITED STATES, 1998-99 1/**

| State | Production | | Farm Disposition | | | | Used for Planting 3/ | |
|---|---|---|---|---|---|---|---|---|
| | | | Sales to Oil Mills | | Other 2/ | | | |
| | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1999 | 2000 |
| | | | | 1,000 Tons | | | | |
| AL | 192.0 | 225.0 | 67.0 | 78.0 | 125.0 | 147.0 | 6.5 | 6.9 |
| **AZ** | **288.0** | **275.0** | **52.0** | **16.0** | **236.0** | **259.0** | **2.5** | **2.6** |
| AR | 478.0 | 549.0 | 422.0 | 439.0 | 56.0 | 110.0 | 9.2 | 9.5 |
| CA | 544.0 | 799.0 | 84.0 | 86.0 | 460.0 | 713.0 | 7.3 | 8.3 |
| FL | 26.0 | 36.0 | 14.0 | 26.0 | 12.0 | 10.0 | 1.2 | 1.4 |
| GA | 526.0 | 546.0 | 229.0 | 379.0 | 297.0 | 167.0 | 18.0 | 18.0 |
| KS | 5.8 | 8.0 | 5.6 | 8.0 | 0.2 | 0.0 | 0.3 | 0.4 |
| LA | 236.0 | 331.0 | 134.0 | 165.0 | 102.0 | 166.0 | 5.5 | 6.2 |
| MS | 561.0 | 667.0 | 543.0 | 612.0 | 18.0 | 55.0 | 12.0 | 13.0 |
| MO | 135.0 | 178.0 | 121.0 | 104.0 | 14.0 | 74.0 | 4.0 | 4.2 |
| NM | 32.6 | 50.5 | 4.5 | 2.2 | 28.1 | 48.3 | 0.9 | 0.9 |
| NC | 351.0 | 278.0 | 88.0 | 44.0 | 263.0 | 234.0 | 7.9 | 8.5 |
| OK | 54.0 | 52.0 | 47.0 | 50.0 | 7.0 | 2.0 | 2.7 | 3.1 |
| SC | 122.0 | 100.0 | 69.0 | 60.0 | 53.0 | 40.0 | 2.3 | 2.5 |
| TN | 205.0 | 223.0 | 154.0 | 155.0 | 51.0 | 68.0 | 4.0 | 4.2 |
| TX | 1,558.0 | 1,987.0 | 1,227.0 | 1,115.0 | 331.0 | 872.0 | 62.4 | 63.3 |
| VA | 51.0 | 49.0 | 0.0 | 1.0 | 51.0 | 48.0 | 1.0 | 1.0 |
| US | 5,365.4 | 6,353.5 | 3,261.1 | 3,340.2 | 2,104.3 | 3,013.3 | 147.7 | 154.0 |

*1/ 1998 crop revised, 1999 crop preliminary.*
*2/ Includes planting seed, feed, exports, inter-farm sales, shrinkage, losses, and other uses.*
*3/ Included in "other" farm disposition. Planting seed from previous years' crop.*

## WINTER WHEAT

Harvested grain acreage for 2000 is forecast at 34.7 million acres, down 2 percent from 1999. If realized, this will be the smallest winter wheat area since 1971. Hard Red Winter (HRW) area is down 4 percent from a year ago with Texas accounting for about 1.2 million acres of the HRW drop. White wheat acres are up 6 percent, with Michigan the only major White state not showing an increase. Soft Red Winter (SRW) acreage is virtually unchanged from last year. Good or better condition ratings of winter wheat on April 29 at 60 percent was 13 percentage points below 1999. The Texas condition rating was only 12 percent good to excellent for the same period. Crop progress was slightly ahead of the average at the beginning of April. By the first week in May, development was about a week ahead of normal progress with 51 percent of winter wheat headed compared with 34 percent for the 5-year average. Forty percent of the Kansas crop was headed but only 1 percent was headed in Nebraska. Above normal temperatures in the Corn Belt and Great Plains stimulated crop development in April. Soil moisture has been poor in most of Texas and eastern Oklahoma and up the central portion of the nation into Minnesota. Texas has grazed wheat, or if stands were sufficient, cut wheat for hay to supplement poor grazing conditions. Montana soil moisture condition ratings declined during April along with the condition ratings. Most of the Pacific Northwest crop is rated good to excellent.

## DURUM WHEAT

Production of Durum wheat in Arizona and California is forecast at a collective 14.8 million bushels. This is down 9 percent from their 1999 total of 16.2 million bushels, primarily due to reduced yields in both States and reduced acreage in California. Above average temperatures in Arizona have helped development. Dry conditions have reduced pest stress, but have not adversely affected the crop due to irrigation. California's crop is rated in mostly good to excellent condition. Crop development was somewhat behind normal in the Imperial and San Joaquin valleys due to cool temperatures in March, but have recovered. Harvest began in the Imperial Valley on a very limited basis by late April with average yields reported. Harvest should begin in the San Joaquin Valley by mid-June.

**WHEAT: AREA HARVESTED, YIELD, AND PRODUCTION BY SELECTED STATES AND UNITED STATES, 1999 AND FORECASTED MAY 1, 2000**

| State | Area Harvested | | Yield | | Production | |
|---|---|---|---|---|---|---|
| | 1999 | 2000 | 1999 | 2000 | 1999 | 2000 |
| | 1,000 Acres | | Bushels | | 1,000 Bushels | |
| **Winter Wheat** | | | | | | |
| CA | 370 | 350 | 78.0 | 82.0 | 28,860 | 28,700 |
| CO | 2,400 | 2,350 | 43.0 | 42.0 | 103,200 | 98,700 |
| ID | 710 | 730 | 76.0 | 78.0 | 53,960 | 56,940 |
| KS | 9,200 | 9,200 | 47.0 | 44.0 | 432,400 | 404,800 |
| MT | 970 | 1,430 | 38.0 | 36.0 | 36,860 | 51,480 |
| NE | 1,800 | 1,750 | 48.0 | 43.0 | 86,400 | 75,250 |
| OK | 4,300 | 4,100 | 35.0 | 38.0 | 150,500 | 155,800 |
| OR | 630 | 740 | 47.0 | 64.0 | 29,610 | 47,360 |
| SD | 1,260 | 1,280 | 47.0 | 44.0 | 59,220 | 56,320 |
| TX | 3,400 | 2,200 | 36.0 | 32.0 | 122,400 | 70,400 |
| WA | 1,670 | 1,750 | 58.0 | 67.0 | 96,860 | 117,250 |
| WY | 185 | 175 | 33.0 | 31.0 | 6,105 | 5,425 |
| OTHER STATES 1/ | 922 | 876 | 47.0 | 44.0 | 43,354 | 38,536 |
| US | 35,572 | 34,709 | 47.8 | 47.5 | 1,699,989 | 1,648,805 |
| **Durum Wheat 2/** | | | | | | |
| **AZ** | **75** | **80** | **97.0** | **95.0** | **7,275** | **7,600** |
| CA | 85 | 76 | 105.0 | 95.0 | 8,925 | 7,220 |
| MT | 350 | | 27.0 | | 9,450 | |
| ND | 3,000 | | 24.0 | | 72,000 | |
| OTHER STATES 3/ | 59 | | 28.3 | | 1,672 | |
| US | 3,569 | | 27.8 | | 99,322 | |

*1/ **Other States include** AL, **AZ**, FL, IA, LA, MN, NV, NJ, NM, ND, UT, WV, and WI. Individual state level estimates will be published in the "Small Grains 2000 Summary."*
*2/ Area harvested for US and northern states will be published in "Acreage" released June 30, 2000. Yield and production will be published in "Crop Production" released July 12, 2000.*
*3/ Other states include MN and SD. Individual state level estimates will be published in the "Small Grains 2000 Summary."*

**HAY: STOCKS ON FARMS BY SELECTED STATES AND UNITED STATES, DECEMBER 1 AND MAY 1, 1997-00**

| State | December 1 | | | May 1 | | |
|---|---|---|---|---|---|---|
| | 1997 | 1998 | 1999 | 1998 | 1999 | 2000 |
| | 1,000 Tons | | | | | |
| **AZ** | **171** | **177** | **184** | **34** | **28** | **27** |
| CA | 1,598 | 3,246 | 2,285 | 420 | 428 | 381 |
| CO | 2,133 | 2,807 | 2,900 | 616 | 966 | 690 |
| ID | 2,743 | 3,329 | 2,617 | 520 | 777 | 257 |
| MT | 5,042 | 4,568 | 4,448 | 1,151 | 1,104 | 1,011 |
| NV | 708 | 857 | 867 | 151 | 233 | 290 |
| NM | 479 | 450 | 595 | 165 | 170 | 185 |
| OR | 1,600 | 2,159 | 2,245 | 621 | 135 | 128 |
| UT | 1,658 | 1,695 | 1,540 | 435 | 485 | 320 |
| WA | 1,295 | 1,663 | 1,377 | 308 | 410 | 165 |
| WY | 2,129 | 2,372 | 2,480 | 363 | 611 | 725 |
| US | 103,044 | 112,066 | 108,882 | 21,827 | 24,817 | 28,817 |

**SPRING POTATOES: AREA HARVESTED, YIELD, AND PRODUCTION BY STATE AND UNITED STATES, 1999 AND FORECASTED MAY 1, 2000**

| State | Area Harvested | | Yield | | Production | |
|---|---|---|---|---|---|---|
| | 1999 | 2000 | 1999 | 2000 | 1999 | 2000 |
| | 1,000 Acres | | Cwt | | 1,000 Cwt | |
| AL 1/ | 1.6 | | 175 | | 280 | |
| **AZ** | **9.6** | **11.0** | **315** | **290** | **3,024** | **3,190** |
| CA | 19.0 | 18.8 | 400 | 355 | 7,600 | 6,674 |
| FL | 28.0 | 24.0 | 315 | 291 | 8,820 | 6,990 |
| Hastings | 21.0 | 17.0 | 330 | 300 | 6,930 | 5,100 |
| Other FL | 7.0 | 7.0 | 270 | 270 | 1,890 | 1,890 |
| NC 2/ | 16.5 | 17.0 | 200 | 200 | 3,300 | 3,400 |
| TX | 9.8 | 9.3 | 235 | 240 | 2,303 | 2,232 |
| US | 84.5 | 80.1 | 300 | 281 | 25,327 | 22,486 |

*1/ Alabama spring potatoes combined with summer in 2000.*
*2/ North Carolina summer potatoes included with spring in 2000.*

**CITRUS FRUIT: UTILIZED PRODUCTION BY CROP, STATE, AND UNITED STATES, 1997-98, 1998-99 AND FORECASTED MAY 1, 2000 1/**

| Crop and State | Utilized Production Boxes | | |
|---|---|---|---|
| | 1997-98 | 1998-99 | 1999-00 |
| | 1,000 Boxes 2/ | | |
| **Oranges** | | | |
| **Early Mid and Navel** | | | |
| **AZ 4/** | **350** | **550** | **550** |
| CA 4/ | 44,000 | 21,000 | 40,000 |
| FL | 140,000 | 112,000 | 134,000 |
| TX | 1,350 | 1,250 | 1,500 |
| US | 185,700 | 134,800 | 176,050 |
| **Valencia** | | | |
| **AZ 4/** | **650** | **600** | **350** |
| CA 4/ | 25,000 | 15,000 | 27,000 |
| FL | 104,000 | 74,000 | 94,000 |
| TX | 175 | 180 | 200 |
| US | 129,825 | 89,780 | 121,550 |
| **All** | | | |
| **AZ 4/** | **1,000** | **1,150** | **900** |
| CA 4/ | 69,000 | 36,000 | 67,000 |
| FL 5/ 6/ | 244,000 | 186,000 | 228,000 |
| TX | 1,525 | 1,430 | 1,700 |
| US | 315,525 | 224,580 | 297,600 |
| **Temples** | | | |
| FL | 2,250 | 1,800 | 1,950 |
| **All Grapefruit** | | | |
| **AZ** | **800** | **750** | **850** |
| CA | 8,000 | 7,500 | 8,000 |
| FL 5/ 6/ | 49,550 | 47,050 | 49,100 |
| TX | 4,800 | 6,100 | 5,700 |
| US | 63,150 | 61,400 | 63,650 |

| Crop and State | Utilized Production Boxes | | |
|---|---|---|---|
| | 1997-98 | 1998-99 | 1999-00 |
| | 1,000 Boxes 2/ | | |
| **Tangerines** | | | |
| **AZ 4/ 7/** | **600** | **950** | **900** |
| CA 4/ 7/ | 2,400 | 1,500 | 2,100 |
| FL | 5,200 | 4,950 | 6,900 |
| US | 8,200 | 7,400 | 9,900 |
| **Lemons 4/** | | | |
| **AZ** | **2,600** | **3,450** | **3,100** |
| CA | 21,000 | 16,200 | 20,000 |
| US | 23,600 | 19,650 | 23,100 |
| **Tangelos** | | | |
| FL | 2,850 | 2,550 | 2,200 |
| **K-Early Citrus** | | | |
| FL | 40 | 80 | 110 |

*1/ The crop year begins with the bloom of the first year shown and ends with the completion of harvest the following year.*
*2/ Net lbs. per box: oranges-AZ & CA-75, FL-90, TX-85; grapefruit-AZ & CA-67, FL-85, TX-80; lemons-76; tangelos, K-Early Citrus & Temples-90; tangerines-AZ & CA-75, FL-95.*
*3/ Navel and miscellaneous varieties in AZ and CA. Early (including Navel) and midseason varieties in FL and TX. Small quantities of tangerines in TX.*
*4/ Estimates for current year carried forward from earlier forecast.*
*5/ Excludes White Seedless economic abandonment of 5,000,000 boxes in 1997-98.*
*6/ Excludes Colored Seedless economic abandonment of 1,000,000 boxes in 1997-98.*
*7/ Includes tangelos and tangors.*

**RELEASE DATES FOR UPCOMING NATIONAL REPORTS**

May 17 . Agricultural Chemical Usage-Field Crops
May 31 . . . . . Agricultural Prices
June 09 . . . . . Crop Production

UNITED STATES DEPARTMENT OF
AGRICULTURE
Arizona Agricultural Statistics Service
3003 N Central Ave., Suite 950
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OFFICIAL BUSINESS

BULK RATE
POSTAGE AND FEES PAID
USDA
PERMIT NO. G-38

## PRICES RECEIVED INDEX INCREASES 4 POINTS

The preliminary All Farm Products Index of Prices Received in April was 99 based on 1990-92=100, up 4 points (4.2 percent) from the March index. Higher prices for hogs, broilers, eggs, and strawberries more than offset price decreases for cotton, corn, grapefruit, and broccoli. The seasonal change in the mix of commodities farmers sell affects the overall index. Higher seasonal marketings of cattle, strawberries, milk, and oranges more than offset the relatively lower marketings of soybeans, corn, cotton, and hogs. These marketing changes accounted for one point of the April index increase.

Compared with April 1999, the All Farm Products Index was 3 points (3.1 percent) higher. Price increases from April 1999 for hogs, cattle, tomatoes, and calves more than offset price decreases for lettuce, milk, oranges, and carrots.

## PRICES PAID INDEX UNCHANGED

The April Index of Prices Paid for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW) was 119 percent of the 1990-92 average. The index was unchanged from March but 4 points (3.5 percent) above April 1999. Lower prices in April for LP gas, feed grains, feed concentrates, and diesel fuel were offset by higher prices for feeder cattle, hay and forages, feeder pigs, and self-propelled machinery.

**PRICES RECEIVED BY FARMERS: ARIZONA AND U.S., APRIL 1999 AND 2000 AND MARCH 2000**

| Commodity | Unit | ARIZONA | | | UNITED STATES | | |
|---|---|---|---|---|---|---|---|
| | | April 1999 Entire Month | March 2000 Entire Month | April 2000 Mid-Month | April 1999 Entire Month | March 2000 Entire Month | April 2000 Mid-Month |
| Upland Cotton 1/ | ¢ Lb | **0.554** | **2/** | **2/** | 0.567 | 0.479 | 0.450 |
| All Wheat 3/ | $ Cwt | --- | --- | — | 4.38 | 2.59 | 2.55 |
| Durum Wheat 3/ | $ Cwt | --- | --- | — | 4.68 | 2.62 | 2.73 |
| Winter Wheat 3/ | $ Cwt | --- | --- | — | 4.14 | 2.38 | 2.29 |
| All Hay Baled 4/ | $ Ton | **94.00** | **90.00** | **94.00** | 81.90 | 74.80 | 80.70 |
| Alfalfa Hay Baled 4/ | $ Ton | **95.00** | **90.00** | **94.00** | 85.60 | 78.00 | 84.50 |
| Other Hay Baled 4/ | $ Ton | **70.00** | **80.00** | **84.00** | 65.80 | 66.70 | 67.40 |
| Grapefruit 5/ | $ Box | **12.90** | **11.80** | **10.50** | 14.50 | 15.00 | 14.90 |
| Oranges 5/ | $ Box | **23.00** | **12.80** | **15.60** | 19.80 | 13.60 | 13.40 |
| Lemons 5/ | $ Box | **22.50** | **35.30** | **27.80** | 23.20 | 25.70 | 25.20 |
| Tangerines 5/ | $ Box | **23.20** | **19.90** | **15.90** | 32.30 | 21.20 | 23.10 |
| Cows 6/ | $ Cwt | **36.00** | **38.60** | **41.20** | 35.10 | 39.00 | 39.60 |
| Steers and Heifers | $ Cwt | **64.70** | **71.30** | **71.90** | 66.00 | 73.40 | 73.80 |
| Beef Cattle 7/ | $ Cwt | **64.40** | **71.00** | **71.60** | 62.70 | 69.80 | 70.10 |
| Calves | $ Cwt | **86.30** | **112.00** | **116.00** | 88.20 | 109.00 | 110.00 |
| All Milk 8/ | $ Cwt | **12.10** | **11.40** | **11.30** | 12.60 | 11.90 | 11.90 |

*1/ Includes both spot and contract sales.*
*2/ Price not published to avoid disclosure of individual operations.*
*3/ Not available for Arizona.*
*4/ Mid-month.*
*5/ F.O.B. packed fresh Arizona box weights: Grapefruit 67 lbs., Lemons 76 lbs., Oranges 75 lbs., Tangerines 75 lbs.*
*6/ Beef cows and cull dairy cows sold for slaughter.*
*7/ "Cows" and "steers and heifers" combined.*
*8/ Preliminary: Before deductions for hauling. Includes quality, quantity and other premiums. Excludes hauling subsidies.*

**U.S. PRICE INDEX SUMMARY TABLE**

| INDEX 1990-92 = 100 | 1999 | | 2000 | |
|---|---|---|---|---|
| | March | April | March | April |
| Prices Received | 97 | 96 | 95 | 99 |
| Prices Paid | 115 | 115 | 119 | 119 |
| Ratio 1/ | 84 | 83 | 80 | 83 |

*1/ Ratio of index of prices received by farmers to index of prices paid.*