



# Crop Production

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## Winter Wheat Production Down 5 Percent All Orange Production Up 1 Percent

**Winter wheat** production is forecast at 1.24 billion bushels, down 5 percent from the May 1 forecast and 9 percent below 2001 to the lowest level since 1978. Based on June 1 conditions, the U.S. yield is forecast at 41.0 bushels per acre, down 2.1 bushels from the previous forecast. Grain area totals 30.2 million acres, unchanged from May 1.

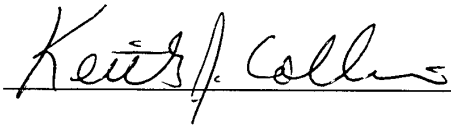
Hard Red production is down 6 percent from a month ago to 672 million bushels. Soft Red is down 3 percent from last month, and now totals 360 million bushels. White production totals 206 million bushels, down 2 percent from last month.

**The U.S. all orange** June 1 forecast for the 2001-02 crop is 12.4 million tons, up 1 percent from both the May 1 forecast and last season's utilization. Florida's all orange forecast is 228 million boxes (10.3 million tons), 1 percent more than the previous forecast and 2 percent higher than last season. If the utilization is attained, it will be the third largest crop produced in Florida. Early and midseason varieties in Florida are forecast at 128 million boxes (5.76 million tons), unchanged from the May 1 forecast and equal to last season's final utilization. Harvest of these varieties is complete. Florida's Valencia forecast is 100 million boxes (4.50 million tons), 2 percent above the previous forecast and 5 percent above the previous season. Arizona, California, and Texas orange production forecasts are carried forward from the April 1 forecasts.

**Florida frozen concentrated orange juice (FCOJ)** yield is projected at 1.58 gallons per box at 42.0 degrees Brix, unchanged from May. The early and midseason portion is final at 1.53 gallons per box, the same as last month. The projected season average yield for the Valencia oranges remains at 1.68 gallons per box. All projections of yield assume that the processing relationships this year will be similar to those of the past several years.

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This report was approved on June 12, 2002.



Acting Secretary of  
Agriculture  
Keith J. Collins



Agricultural Statistics Board  
Chairperson  
Frederic A. Vogel

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**Winter Wheat: Area Harvested, Yield, and Production by State  
and United States, 2001 and Forecasted June 1, 2002**

| State                   | Area Harvested     |                    | Yield          |                |                | Production           |                      |
|-------------------------|--------------------|--------------------|----------------|----------------|----------------|----------------------|----------------------|
|                         | 2001               | 2002               | 2001           | 2002           |                | 2001                 | 2002                 |
|                         |                    |                    |                | May 1          | Jun 1          |                      |                      |
|                         | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>Bushels</i> | <i>Bushels</i> | <i>Bushels</i> | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> |
| AR                      | 970                | 800                | 52.0           | 53.0           | 53.0           | 50,440               | 42,400               |
| CA                      | 380                | 310                | 70.0           | 75.0           | 75.0           | 26,600               | 23,250               |
| CO                      | 2,000              | 1,800              | 33.0           | 30.0           | 23.0           | 66,000               | 41,400               |
| DE                      | 57                 | 58                 | 61.0           | 67.0           | 65.0           | 3,477                | 3,770                |
| GA                      | 200                | 180                | 53.0           | 50.0           | 45.0           | 10,600               | 8,100                |
| ID                      | 710                | 690                | 73.0           | 77.0           | 75.0           | 51,830               | 51,750               |
| IL                      | 720                | 650                | 61.0           | 60.0           | 55.0           | 43,920               | 35,750               |
| IN                      | 380                | 330                | 66.0           | 62.0           | 60.0           | 25,080               | 19,800               |
| KS                      | 8,200              | 8,000              | 40.0           | 37.0           | 35.0           | 328,000              | 280,000              |
| KY                      | 360                | 380                | 66.0           | 66.0           | 62.0           | 23,760               | 23,560               |
| MD                      | 175                | 180                | 63.0           | 65.0           | 65.0           | 11,025               | 11,700               |
| MI                      | 560                | 460                | 64.0           | 67.0           | 67.0           | 35,840               | 30,820               |
| MS                      | 225                | 180                | 52.0           | 50.0           | 50.0           | 11,700               | 9,000                |
| MO                      | 760                | 760                | 54.0           | 55.0           | 51.0           | 41,040               | 38,760               |
| MT                      | 870                | 1,000              | 22.0           | 28.0           | 30.0           | 19,140               | 30,000               |
| NE                      | 1,600              | 1,600              | 37.0           | 36.0           | 29.0           | 59,200               | 46,400               |
| NY                      | 120                | 137                | 53.0           | 62.0           | 60.0           | 6,360                | 8,220                |
| NC                      | 470                | 470                | 39.0           | 47.0           | 45.0           | 18,330               | 21,150               |
| OH                      | 900                | 825                | 67.0           | 66.0           | 65.0           | 60,300               | 53,625               |
| OK                      | 3,700              | 3,600              | 33.0           | 31.0           | 31.0           | 122,100              | 111,600              |
| OR                      | 700                | 750                | 40.0           | 50.0           | 47.0           | 28,000               | 35,250               |
| PA                      | 160                | 175                | 52.0           | 58.0           | 58.0           | 8,320                | 10,150               |
| SC                      | 210                | 190                | 43.0           | 42.0           | 40.0           | 9,030                | 7,600                |
| SD                      | 370                | 1,050              | 32.0           | 40.0           | 34.0           | 11,840               | 35,700               |
| TN                      | 340                | 270                | 54.0           | 54.0           | 51.0           | 18,360               | 13,770               |
| TX                      | 3,200              | 2,500              | 34.0           | 32.0           | 32.0           | 108,800              | 80,000               |
| VA                      | 170                | 175                | 60.0           | 62.0           | 62.0           | 10,200               | 10,850               |
| WA                      | 1,750              | 1,700              | 61.0           | 66.0           | 65.0           | 106,750              | 110,500              |
| WY                      | 120                | 130                | 24.0           | 25.0           | 18.0           | 2,880                | 2,340                |
| Oth<br>Sts <sup>1</sup> | 918                | 824                | 46.4           | 49.1           | 49.1           | 42,557               | 40,456               |
| US                      | 31,295             | 30,174             | 43.5           | 43.1           | 41.0           | 1,361,479            | 1,237,671            |

<sup>1</sup> 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 2002 Summary."

**Durum Wheat: Area Harvested, Yield, and Production by State  
and United States, 2001 and Forecasted June 1, 2002 <sup>1</sup>**

| State                   | Area Harvested     |                    | Yield          |                |                | Production           |                      |
|-------------------------|--------------------|--------------------|----------------|----------------|----------------|----------------------|----------------------|
|                         | 2001               | 2002               | 2001           | 2002           |                | 2001                 | 2002                 |
|                         |                    |                    |                | May 1          | Jun 1          |                      |                      |
|                         | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>Bushels</i> | <i>Bushels</i> | <i>Bushels</i> | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> |
| AZ                      | 87                 | 90                 | 91.0           | 97.0           | 95.0           | 7,917                | 8,550                |
| CA                      | 81                 | 90                 | 105.0          | 100.0          | 100.0          | 8,505                | 9,000                |
| MT                      | 495                |                    | 24.0           |                |                | 11,880               |                      |
| ND                      | 2,100              |                    | 26.0           |                |                | 54,600               |                      |
| Oth<br>Sts <sup>2</sup> | 26                 |                    | 25.2           |                |                | 654                  |                      |
| US                      | 2,789              |                    | 30.0           |                |                | 83,556               |                      |

<sup>1</sup> Area harvested for the U.S. and remaining States will be published in "Acreage" released June 28, 2002. Yield and production will be published in "Crop Production" released July 11, 2002.

<sup>2</sup> Other States include MN and SD. Individual State level estimates will be published in the "Small Grains 2002 Summary."

**Wheat: Production by Class, United States, 2000-2001  
and Forecasted June 1, 2002 <sup>1</sup>**

| Year | Winter               |                      |                      | Spring               |                      |                      | Total                |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|      | Hard Red             | Soft Red             | White                | Hard Red             | White                | Durum                |                      |
|      | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> | <i>1,000 Bushels</i> |
| 2000 | 846,324              | 471,356              | 248,343              | 502,318              | 54,314               | 109,805              | 2,232,460            |
| 2001 | 766,795              | 399,670              | 195,014              | 475,653              | 36,955               | 83,556               | 1,957,643            |
| 2002 | 671,645              | 360,283              | 205,743              |                      |                      |                      |                      |

<sup>1</sup> Wheat class estimates are based on varietal acreage survey data. The previous end-of-season class percentages are used throughout the forecast season. Spring wheat production by class and total production will be published in "Crop Production" released July 11, 2002.

**Sweet Cherries: Total Production by State, and Total,  
2000-2001 and Forecasted June 1, 2002**

| State | Total Production |             |                   |
|-------|------------------|-------------|-------------------|
|       | 2000             | 2001        | 2002 <sup>1</sup> |
|       | <i>Tons</i>      | <i>Tons</i> | <i>Tons</i>       |
| CA    | 47,000           | 55,300      | 65,000            |
| OR    | 37,000           | 40,000      | 39,000            |
| WA    | 95,000           | 106,000     | 95,000            |
| Total | 179,000          | 201,300     | 199,000           |

<sup>1</sup> The first production forecast for sweet cherries in ID, MI, MT, NY, PA, and UT and tart cherries in CO, MI, NY, OR, PA, UT, WA, and WI will be published in the "Cherry Production" released on July 1, 2002.

**Peaches: Total Production by Crop, State, and United States,  
2000-2001 and Forecasted June 1, 2002**

| State                   | Total Production      |                       |                       |
|-------------------------|-----------------------|-----------------------|-----------------------|
|                         | 2000                  | 2001                  | 2002                  |
|                         | <i>Million Pounds</i> | <i>Million Pounds</i> | <i>Million Pounds</i> |
| CA                      |                       |                       |                       |
| All                     | 1,855.0               | 1,725.0               | 1,880.0               |
| Clingstone <sup>1</sup> | 1,064.0               | 952.0                 | 1,050.0               |
| Freestone               | 791.0                 | 773.0                 | 830.0                 |
| GA                      | 115.0                 | 140.0                 | 115.0                 |
| SC                      | 150.0                 | 100.0                 | 180.0                 |
| Total                   | 2,120.0               | 1,965.0               | 2,175.0               |

<sup>1</sup> CA Clingstone is over-the-scale tonnage and includes culls and cannery diversions.

**Citrus Fruits: Utilized Production by Crop, State, and United States,  
1999-2000, 2000-2001 and Forecasted June 1, 2002 <sup>1</sup>**

| Crop and State                 | Utilized Production<br>Boxes    |                                 |                                 | Utilized Production<br>Ton Equivalent |                   |                   |
|--------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------------|-------------------|-------------------|
|                                | 1999-00                         | 2000-01                         | 2001-02                         | 1999-00                               | 2000-01           | 2001-02           |
|                                | <i>1,000 Boxes <sup>2</sup></i> | <i>1,000 Boxes <sup>2</sup></i> | <i>1,000 Boxes <sup>2</sup></i> | <i>1,000 Tons</i>                     | <i>1,000 Tons</i> | <i>1,000 Tons</i> |
| Oranges                        |                                 |                                 |                                 |                                       |                   |                   |
| Early Mid & Navel <sup>3</sup> |                                 |                                 |                                 |                                       |                   |                   |
| AZ <sup>4</sup>                | 600                             | 480                             | 300                             | 22                                    | 18                | 11                |
| CA <sup>4</sup>                | 40,000                          | 36,000                          | 32,000                          | 1,500                                 | 1,350             | 1,200             |
| FL                             | 134,000                         | 128,000                         | 128,000                         | 6,030                                 | 5,760             | 5,760             |
| TX <sup>4</sup>                | 1,460                           | 2,000                           | 1,550                           | 62                                    | 85                | 66                |
| US                             | 176,060                         | 166,480                         | 161,850                         | 7,614                                 | 7,213             | 7,037             |
| Valencia                       |                                 |                                 |                                 |                                       |                   |                   |
| AZ <sup>4</sup>                | 500                             | 420                             | 350                             | 19                                    | 16                | 13                |
| CA <sup>4</sup>                | 24,000                          | 21,000                          | 23,000                          | 900                                   | 787               | 863               |
| FL                             | 99,000                          | 95,300                          | 100,000                         | 4,455                                 | 4,289             | 4,500             |
| TX <sup>4</sup>                | 200                             | 235                             | 200                             | 9                                     | 10                | 9                 |
| US                             | 123,700                         | 116,955                         | 123,550                         | 5,383                                 | 5,102             | 5,385             |
| All                            |                                 |                                 |                                 |                                       |                   |                   |
| AZ <sup>4</sup>                | 1,100                           | 900                             | 650                             | 41                                    | 34                | 24                |
| CA <sup>4</sup>                | 64,000                          | 57,000                          | 55,000                          | 2,400                                 | 2,137             | 2,063             |
| FL                             | 233,000                         | 223,300                         | 228,000                         | 10,485                                | 10,049            | 10,260            |
| TX <sup>4</sup>                | 1,660                           | 2,235                           | 1,750                           | 71                                    | 95                | 75                |
| US                             | 299,760                         | 283,435                         | 285,400                         | 12,997                                | 12,315            | 12,422            |
| Temples                        |                                 |                                 |                                 |                                       |                   |                   |
| FL                             | 1,950                           | 1,250                           | 1,550                           | 88                                    | 56                | 70                |
| Grapefruit                     |                                 |                                 |                                 |                                       |                   |                   |
| White Seedless <sup>5</sup>    |                                 |                                 |                                 |                                       |                   |                   |
| FL                             | 20,900                          | 18,700                          | 19,000                          | 888                                   | 795               | 808               |
| Colored Seedless               |                                 |                                 |                                 |                                       |                   |                   |
| FL                             | 31,900                          | 27,300                          | 28,000                          | 1,356                                 | 1,160             | 1,190             |
| Other <sup>5</sup>             |                                 |                                 |                                 |                                       |                   |                   |
| FL                             | 600                             |                                 |                                 | 25                                    |                   |                   |
| All                            |                                 |                                 |                                 |                                       |                   |                   |
| AZ <sup>4</sup>                | 450                             | 250                             | 200                             | 15                                    | 8                 | 7                 |
| CA <sup>4</sup>                | 7,200                           | 6,500                           | 6,400                           | 241                                   | 218               | 214               |
| FL                             | 53,400                          | 46,000                          | 47,000                          | 2,269                                 | 1,955             | 1,998             |
| TX <sup>4</sup>                | 5,930                           | 7,200                           | 7,100                           | 237                                   | 288               | 284               |
| US                             | 66,980                          | 59,950                          | 60,700                          | 2,762                                 | 2,469             | 2,503             |
| Tangerines                     |                                 |                                 |                                 |                                       |                   |                   |
| AZ <sup>4 6</sup>              | 850                             | 650                             | 650                             | 32                                    | 24                | 24                |
| CA <sup>4 6</sup>              | 2,500                           | 2,100                           | 2,300                           | 94                                    | 79                | 86                |
| FL                             | 7,000                           | 5,600                           | 6,600                           | 332                                   | 266               | 314               |
| US                             | 10,350                          | 8,350                           | 9,550                           | 458                                   | 369               | 424               |
| Lemons <sup>4</sup>            |                                 |                                 |                                 |                                       |                   |                   |
| AZ                             | 3,100                           | 3,600                           | 3,100                           | 118                                   | 137               | 118               |
| CA                             | 19,000                          | 22,700                          | 22,000                          | 722                                   | 863               | 836               |
| US                             | 22,100                          | 26,300                          | 25,100                          | 840                                   | 1,000             | 954               |
| Tangelos                       |                                 |                                 |                                 |                                       |                   |                   |
| FL                             | 2,200                           | 2,100                           | 2,150                           | 99                                    | 95                | 97                |
| K-Early Citrus                 |                                 |                                 |                                 |                                       |                   |                   |
| FL                             | 110                             | 40                              | 30                              | 5                                     | 2                 | 1                 |

<sup>1</sup> The crop year begins with the bloom of the first year shown and ends with the completion of harvest the following year.

<sup>2</sup> 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.

<sup>3</sup> Navel and miscellaneous varieties in AZ and CA. Early (including Navel) and midseason varieties in FL and TX. Small quantities of tangerines in TX.

<sup>4</sup> Estimates for current year carried forward from earlier forecast.

<sup>5</sup> "Other" seedy grapefruit estimates discontinued after 1999-2000 crop. Included with white seedless beginning with the 2000-01 crop.

<sup>6</sup> Includes tangelos and tangors.

**Bartlett Pears: Total Production by State and Total,  
2000-2001 and Forecasted June 1, 2002**

| State | Total Production |             |             |
|-------|------------------|-------------|-------------|
|       | 2000             | 2001        | 2002        |
|       | <i>Tons</i>      | <i>Tons</i> | <i>Tons</i> |
| CA    | 282,000          | 237,000     | 260,000     |
| OR    | 60,000           | 70,000      | 70,000      |
| WA    | 176,000          | 200,000     | 175,000     |
| Total | 518,000          | 507,000     | 505,000     |

**Miscellaneous Fruits, California: Total Production by Crop,  
2000-2001 and Forecasted June 1, 2002**

| Crop                 | Total Production |             |             |
|----------------------|------------------|-------------|-------------|
|                      | 2000             | 2001        | 2002        |
|                      | <i>Tons</i>      | <i>Tons</i> | <i>Tons</i> |
| Prunes (Dried Basis) | 219,000          | 150,000     | 155,000     |
| Apricots             | 90,000           | 77,000      | 75,000      |

**Papayas: Area and Fresh Production, by Month, Hawaii, 2001-2002**

| Month | Area          |              |              |              | Fresh Production <sup>1</sup> |                     |
|-------|---------------|--------------|--------------|--------------|-------------------------------|---------------------|
|       | Total in Crop |              | Harvested    |              | 2001                          | 2002                |
|       | 2001          | 2002         | 2001         | 2002         |                               |                     |
|       | <i>Acres</i>  | <i>Acres</i> | <i>Acres</i> | <i>Acres</i> | <i>1,000 Pounds</i>           | <i>1,000 Pounds</i> |
| Apr   | 2,845         | 2,480        | 2,025        | 1,940        | 4,380                         | 3,120               |
| May   | 2,805         | 2,475        | 2,025        | 1,940        | 4,530                         | 3,155               |

<sup>1</sup> Utilized fresh production.



**Hops: Area Harvested by Variety, State, and United States,  
2000-2001 and Forecasted June 1, 2002**

| State and Variety  | Area Harvested |              | Strung for Harvest |
|--------------------|----------------|--------------|--------------------|
|                    | 2000           | 2001         | 2002               |
|                    | <i>Acres</i>   | <i>Acres</i> | <i>Acres</i>       |
| <b>ID</b>          |                |              |                    |
| Chinook            | 170            | 120          |                    |
| Cluster            | 198            | 234          |                    |
| Galena             | 535            | 552          |                    |
| Mt. Hood           | 53             | 32           |                    |
| Nugget             | 68             | 54           |                    |
| Willamette         | 194            | 215          |                    |
| Zeus               | 403            | 477          |                    |
| Other Varieties    | 1,700          | 1,785        |                    |
| Total <sup>1</sup> | 3,321          | 3,469        | 3,385              |
| <b>OR</b>          |                |              |                    |
| Cascade            | -              | -            | 217                |
| Fuggle             | 63             | -            | -                  |
| Golding            | 115            | -            | -                  |
| Liberty            | -              | -            | 36                 |
| Millenium          | *              | 117          | 421                |
| Mt. Hood           | 250            | 257          | 243                |
| Nugget             | 2,308          | 2,268        | 1,967              |
| Perle              | 402            | 491          | 452                |
| Santiam            | 17             | -            | -                  |
| Sterling           | 62             | 91           | 86                 |
| Willamette         | 2,142          | 2,434        | 1,912              |
| Other Varieties    | 460            | 445          | 243                |
| Total              | 5,819          | 6,103        | 5,577              |
| <b>WA</b>          |                |              |                    |
| Cascade            | 996            | 1,003        | 1,218              |
| Chelan             | -              | 317          | 295                |
| Chinook            | 670            | 535          | 422                |
| Cluster            | 939            | 534          | 480                |
| Columbus/Tomahawk  | 4,594          | 4,915        | 3,674              |
| Galena             | 5,044          | 4,375        | 3,224              |
| Golding            | 36             | 45           | 26                 |
| Hallertauer        | -              | 76           | 76                 |
| Horizon            | 316            | 339          | 337                |
| Magnum             | 73             | 42           | -                  |
| Millenium          | -              | 1,382        | 1,455              |
| Mt. Hood           | 367            | 333          | 107                |
| Northern Brewer    | -              | 97           | 97                 |
| Nugget             | 4,597          | 4,109        | 1,287              |
| Perle              | 275            | 209          | 143                |
| Tettnanger         | -              | 60           | 48                 |
| Tillicum           | -              | 369          | 194                |
| Vanguard           | -              | 54           | -                  |
| Willamette         | 3,563          | 3,571        | 3,639              |
| YCR-5(Warrior™)    | -              | 1,370        | 988                |
| Zeus               | 1,994          | 2,186        | 2,265              |
| Other Varieties    | 3,516          | 418          | 345                |
| Total              | 26,980         | 26,339       | 20,320             |
| US                 | 36,120         | 35,911       | 29,282             |

<sup>1</sup> Beginning with the 2002 crop, only State totals will be published for Idaho to avoid disclosure of individual operations.

- Included in Other Varieties to avoid disclosure of individual operations.

\* Unknown or none.

**Sugarbeets: Area Planted and Harvested, Yield, Production,  
Price, and Value by State and United States, 2000-2001 <sup>1</sup>**

| State | Area Planted       |                    | Area Harvested     |                    | Yield                |                      |
|-------|--------------------|--------------------|--------------------|--------------------|----------------------|----------------------|
|       | 2000               | 2001 <sup>2</sup>  | 2000               | 2001 <sup>2</sup>  | 2000                 | 2001 <sup>2</sup>    |
|       | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>Tons</i>          | <i>Tons</i>          |
| CA    | 98.0               | 46.8               | 92.5               | 44.7               | 34.0                 | 36.2                 |
| CO    | 71.5               | 41.5               | 53.6               | 36.8               | 22.5                 | 22.4                 |
| ID    | 212.0              | 199.0              | 191.0              | 179.0              | 29.3                 | 25.9                 |
| MI    | 189.0              | 180.0              | 166.0              | 166.0              | 20.5                 | 19.4                 |
| MN    | 490.0              | 468.0              | 430.0              | 426.0              | 21.5                 | 18.3                 |
| MT    | 60.7               | 57.4               | 55.2               | 53.5               | 23.9                 | 21.5                 |
| NE    | 78.2               | 48.6               | 54.8               | 41.4               | 20.3                 | 20.3                 |
| ND    | 258.0              | 261.0              | 232.0              | 237.0              | 22.1                 | 18.1                 |
| OH    | 1.2                | 0.8                | 0.8                | 0.6                | 21.0                 | 20.0                 |
| OR    | 16.2               | 12.2               | 13.7               | 10.0               | 30.1                 | 29.1                 |
| WA    | 28.4               | 7.0                | 27.3               | 7.0                | 29.4                 | 36.1                 |
| WY    | 61.0               | 48.5               | 56.1               | 41.6               | 20.6                 | 20.6                 |
| US    | 1,564.2            | 1,370.8            | 1,373.0            | 1,243.6            | 23.7                 | 20.7                 |
|       | Production         |                    | Price per Ton      |                    | Value of Production  |                      |
|       | 2000               | 2001 <sup>2</sup>  | 2000               | 2001 <sup>3</sup>  | 2000                 | 2001 <sup>3</sup>    |
|       | <i>1,000 Tons</i>  | <i>1,000 Tons</i>  | <i>Dollars</i>     | <i>Dollars</i>     | <i>1,000 Dollars</i> | <i>1,000 Dollars</i> |
| CA    | 3,145              | 1,618              | 30.40              |                    | 95,608               |                      |
| CO    | 1,206              | 824                | 28.70              |                    | 34,612               |                      |
| ID    | 5,596              | 4,636              | 37.90              |                    | 212,088              |                      |
| MI    | 3,403              | 3,220              | 31.30              |                    | 106,514              |                      |
| MN    | 9,245              | 7,796              | 33.70              |                    | 311,557              |                      |
| MT    | 1,319              | 1,150              | 34.70              |                    | 45,769               |                      |
| NE    | 1,112              | 840                | 29.20              |                    | 32,470               |                      |
| ND    | 5,127              | 4,290              | 37.80              |                    | 193,801              |                      |
| OH    | 17                 | 12                 | 30.90              |                    | 525                  |                      |
| OR    | 412                | 291                | 37.90              |                    | 15,615               |                      |
| WA    | 803                | 253                | 33.50              |                    | 26,901               |                      |
| WY    | 1,156              | 857                | 32.50              |                    | 37,570               |                      |
| US    | 32,541             | 25,787             | 34.20              |                    | 1,113,030            |                      |

<sup>1</sup> Relates to year of intended harvest except for overwintered spring planted beets in CA.

<sup>2</sup> Revised.

<sup>3</sup> Estimates are not available. U.S. marketing year average price, value of production, and parity price will be published in "Agricultural Prices" released July 31, 2002. State estimates will be published in "Crop Values" to be released February 2003.

**Sugarcane: Area Harvested, Yield, Production, Price,  
and Value by State and United States, 2000-2001**

| State              | Area Harvested     |                    | Yield <sup>1</sup>   |                      | Production <sup>1</sup>          |                      |
|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------------------|----------------------|
|                    | 2000               | 2001 <sup>2</sup>  | 2000                 | 2001 <sup>2</sup>    | 2000                             | 2001 <sup>2</sup>    |
|                    | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>Tons</i>          | <i>Tons</i>          | <i>1,000 Tons</i>                | <i>1,000 Tons</i>    |
| For Sugar          |                    |                    |                      |                      |                                  |                      |
| FL                 | 436.0              | 445.0              | 37.5                 | 35.1                 | 16,350                           | 15,620               |
| HI                 | 30.2               | 19.3               | 78.3                 | 97.3                 | 2,365                            | 1,878                |
| LA                 | 465.0              | 460.0              | 29.7                 | 29.0                 | 13,811                           | 13,340               |
| TX                 | 45.5               | 46.0               | 38.8                 | 42.1                 | 1,765                            | 1,937                |
| US                 | 976.7              | 970.3              | 35.1                 | 33.8                 | 34,291                           | 32,775               |
| For Seed           |                    |                    |                      |                      |                                  |                      |
| FL                 | 18.0               | 20.0               | 38.4                 | 35.9                 | 691                              | 718                  |
| HI                 | 1.8                | 1.7                | 38.0                 | 32.0                 | 68                               | 54                   |
| LA                 | 35.0               | 35.0               | 29.7                 | 29.0                 | 1,040                            | 1,015                |
| TX                 | 0.8                | 1.0                | 30.0                 | 25.0                 | 24                               | 25                   |
| US                 | 55.6               | 57.7               | 32.8                 | 31.4                 | 1,823                            | 1,812                |
| For Sugar and Seed |                    |                    |                      |                      |                                  |                      |
| FL                 | 454.0              | 465.0              | 37.5                 | 35.1                 | 17,041                           | 16,338               |
| HI                 | 32.0               | 21.0               | 76.0                 | 92.0                 | 2,433                            | 1,932                |
| LA                 | 500.0              | 495.0              | 29.7                 | 29.0                 | 14,851                           | 14,355               |
| TX                 | 46.3               | 47.0               | 38.6                 | 41.7                 | 1,789                            | 1,962                |
| US                 | 1,032.3            | 1,028.0            | 35.0                 | 33.6                 | 36,114                           | 34,587               |
|                    | For Sugar          |                    |                      |                      | For Sugar and Seed               |                      |
|                    | Price per Ton      |                    | Value of Production  |                      | Value of Production <sup>3</sup> |                      |
|                    | 2000               | 2001 <sup>4</sup>  | 2000                 | 2001 <sup>4</sup>    | 2000                             | 2001 <sup>4</sup>    |
|                    | <i>Dollars</i>     | <i>Dollars</i>     | <i>1,000 Dollars</i> | <i>1,000 Dollars</i> | <i>1,000 Dollars</i>             | <i>1,000 Dollars</i> |
| FL                 | 28.60              |                    | 467,610              |                      | 487,373                          |                      |
| HI                 | 26.30              |                    | 62,200               |                      | 63,988                           |                      |
| LA                 | 22.70              |                    | 313,510              |                      | 337,118                          |                      |
| TX                 | 29.80              |                    | 52,597               |                      | 53,312                           |                      |
| US                 | 26.10              |                    | 895,917              |                      | 941,791                          |                      |

<sup>1</sup> Yield and production refer to net weight.

<sup>2</sup> Revised.

<sup>3</sup> Price per ton of cane for sugar used in evaluating value of production for seed.

<sup>4</sup> Estimates are not available. U.S. marketing year average price, value of production, and parity price will be published in "Agricultural Prices" released July 31, 2002. State estimates will be published in "Crop Values" to be released February 2003.

**Maple Syrup: Taps, Yield, and Production  
by State and United States, 2001-2002**

| State | Number of Taps    |                   | Yield per Tap  |                | Production           |                      |
|-------|-------------------|-------------------|----------------|----------------|----------------------|----------------------|
|       | 2001              | 2002              | 2001           | 2002           | 2001                 | 2002                 |
|       | <i>1,000 Taps</i> | <i>1,000 Taps</i> | <i>Gallons</i> | <i>Gallons</i> | <i>1,000 Gallons</i> | <i>1,000 Gallons</i> |
| CT    | 51                | 51                | 0.176          | 0.157          | 9                    | 8                    |
| ME    | 1,085             | 1,085             | 0.184          | 0.212          | 200                  | 230                  |
| MA    | 200               | 215               | 0.170          | 0.209          | 34                   | 45                   |
| MI    | 332               | 320               | 0.181          | 0.206          | 60                   | 66                   |
| NH    | 335               | 345               | 0.134          | 0.217          | 45                   | 75                   |
| NY    | 1,163             | 1,240             | 0.166          | 0.184          | 193                  | 228                  |
| OH    | 432               | 376               | 0.222          | 0.199          | 96                   | 75                   |
| PA    | 360               | 337               | 0.192          | 0.163          | 69                   | 55                   |
| VT    | 2,090             | 2,170             | 0.132          | 0.228          | 275                  | 495                  |
| WI    | 436               | 440               | 0.156          | 0.180          | 68                   | 79                   |
| US    | 6,484             | 6,579             | 0.162          | 0.206          | 1,049                | 1,356                |

**Maple Syrup: Price and Value  
by State and United States, 2000-2001 <sup>1</sup>**

| State | Average Price per Gallon |                | Value of Production  |                      |
|-------|--------------------------|----------------|----------------------|----------------------|
|       | 2000                     | 2001           | 2000                 | 2001                 |
|       | <i>Dollars</i>           | <i>Dollars</i> | <i>1,000 Dollars</i> | <i>1,000 Dollars</i> |
| CT    | 43.90                    | 45.70          | 307                  | 411                  |
| ME    | 14.20                    | 18.70          | 3,550                | 3,740                |
| MA    | 37.80                    | 40.60          | 1,474                | 1,380                |
| MI    | 35.10                    | 31.40          | 1,544                | 1,884                |
| NH    | 38.10                    | 40.00          | 2,858                | 1,800                |
| NY    | 29.00                    | 29.50          | 6,090                | 5,694                |
| OH    | 34.30                    | 31.30          | 1,166                | 3,005                |
| PA    | 28.40                    | 25.30          | 1,335                | 1,746                |
| VT    | 30.00                    | 30.80          | 13,800               | 8,470                |
| WI    | 27.70                    | 29.20          | 1,800                | 1,986                |
| US    | 27.60                    | 28.70          | 33,924               | 30,116               |

<sup>1</sup> Price and value for 2001 are revised. Price and value for 2002 are not available until June, 2003.

**Maple Syrup: Percent of Sales by Type and State, 2000-2001**

| State | Retail         |                | Wholesale      |                | Bulk           |                |
|-------|----------------|----------------|----------------|----------------|----------------|----------------|
|       | 2000           | 2001           | 2000           | 2001           | 2000           | 2001           |
|       | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| CT    | 75             | 85             | 15             | 10             | 10             | 5              |
| ME    | 5              | 5              | 5              | 5              | 90             | 90             |
| MA    | 65             | 70             | 25             | 20             | 10             | 10             |
| MI    | 62             | 68             | 27             | 19             | 11             | 13             |
| NH    | 75             | 70             | 10             | 20             | 15             | 10             |
| NY    | 45             | 54             | 32             | 15             | 23             | 31             |
| OH    | 68             | 69             | 20             | 10             | 12             | 21             |
| PA    | 53             | 44             | 17             | 9              | 30             | 47             |
| VT    | 45             | 35             | 15             | 15             | 40             | 50             |
| WI    | 47             | 42             | 25             | 26             | 28             | 32             |

**Maple Syrup: Price by Type of Sales and Size of Container  
by State, 2000-2001 <sup>1</sup>**

| Type and State   | Gallons                  |                | 1/2 Gallons              |                        | Quarts                    |                | Pints                     |                | 1/2 Pints                    |                |                              |
|------------------|--------------------------|----------------|--------------------------|------------------------|---------------------------|----------------|---------------------------|----------------|------------------------------|----------------|------------------------------|
|                  | 2000                     | 2001           | 2000                     | 2001                   | 2000                      | 2001           | 2000                      | 2001           | 2000                         | 2001           |                              |
|                  | <i>Dollars</i>           | <i>Dollars</i> | <i>Dollars</i>           | <i>Dollars</i>         | <i>Dollars</i>            | <i>Dollars</i> | <i>Dollars</i>            | <i>Dollars</i> | <i>Dollars</i>               | <i>Dollars</i> |                              |
| <b>Retail</b>    |                          |                |                          |                        |                           |                |                           |                |                              |                |                              |
| CT               | 36.70                    | 35.40          | 20.10                    | 20.30                  | 11.70                     | 11.70          | 7.30                      | 6.90           | 4.60                         | 4.40           |                              |
| ME               | 31.60                    | 32.10          | 17.90                    | 18.30                  | 10.00                     | 10.20          | 6.20                      | 5.90           | 4.50                         | 4.00           |                              |
| MA               | 33.90                    | 33.10          | 19.20                    | 19.90                  | 11.20                     | 11.60          | 6.70                      | 6.80           | 4.10                         | 4.30           |                              |
| MI               | 32.00                    | 33.00          | 18.50                    | 18.40                  | 9.70                      | 10.30          | 6.10                      | 6.00           | 4.00                         | 5.70           |                              |
| NH               | 33.90                    | 34.50          | 18.80                    | 19.80                  | 11.30                     | 11.30          | 6.60                      | 6.80           | 3.90                         | 3.90           |                              |
| NY               | 28.10                    | 29.90          | 16.50                    | 17.30                  | 9.80                      | 10.10          | 6.35                      | 6.30           | 3.95                         | 4.20           |                              |
| OH               | 28.80                    | 29.30          | 16.60                    | 17.00                  | 9.90                      | 9.70           | 6.10                      | 6.00           | 4.40                         | 4.60           |                              |
| PA               | 29.00                    | 28.30          | 17.00                    | 16.70                  | 9.90                      | 9.60           | 5.80                      | 5.70           | 3.60                         | 3.50           |                              |
| VT               | 31.60                    | 32.40          | 18.00                    | 19.00                  | 10.50                     | 11.40          | 6.60                      | 7.00           | 4.30                         | 4.70           |                              |
| WI               | 27.60                    | 27.80          | 15.20                    | 15.30                  | 8.10                      | 8.30           | 4.10                      | 5.10           | 2.40                         | 3.30           |                              |
| <b>Wholesale</b> |                          |                |                          |                        |                           |                |                           |                |                              |                |                              |
| CT <sup>2</sup>  |                          | 28.70          | 18.00                    | 17.50                  | 9.10                      | 10.30          | 5.60                      | 5.40           | 3.50                         |                |                              |
| ME               | 24.50                    | 26.70          | 13.20                    | 14.20                  | 7.50                      | 8.00           | 4.60                      | 4.60           | 3.50                         | 2.80           |                              |
| MA <sup>2</sup>  | 28.60                    | 30.30          | 15.70                    |                        | 9.00                      | 9.40           | 5.10                      | 5.40           | 3.00                         | 3.50           |                              |
| MI               | 29.50                    | 25.60          | 15.60                    | 15.60                  | 7.60                      | 8.50           | 4.50                      | 4.70           | 2.50                         | 3.50           |                              |
| NH               | 23.70                    | 28.70          | 15.50                    | 15.80                  | 8.30                      | 9.00           | 4.90                      | 5.20           | 2.90                         | 3.10           |                              |
| NY               | 24.30                    | 25.80          | 14.20                    | 15.60                  | 7.65                      | 8.65           | 4.55                      | 5.05           | 2.75                         | 3.00           |                              |
| OH               | 27.20                    | 24.70          | 15.00                    | 14.70                  | 8.50                      | 8.40           | 5.40                      | 4.80           | 3.70                         | 3.80           |                              |
| PA               | 27.10                    | 26.70          | 14.90                    | 14.50                  | 8.20                      | 8.20           | 4.70                      | 4.90           | 2.90                         | 3.00           |                              |
| VT               | 26.40                    | 28.80          | 15.30                    | 16.20                  | 8.60                      | 9.20           | 5.10                      | 5.20           | 3.40                         | 3.30           |                              |
| WI               | 25.30                    | 27.60          | 14.50                    | 15.30                  | 8.40                      | 8.10           | 4.30                      | 4.60           | 2.70                         | 3.00           |                              |
|                  | <b>Bulk All Grades</b>   |                |                          | <b>Bulk All Grades</b> |                           |                | <b>All Sales</b>          |                |                              |                |                              |
|                  | 2000                     |                | 2001                     |                        | 2000                      |                | 2001                      |                | 2000                         |                | 2001                         |
|                  | <i>Dollars per Pound</i> |                | <i>Dollars per Pound</i> |                        | <i>Dollars per Gallon</i> |                | <i>Dollars per Gallon</i> |                | <i>Equivalent per Gallon</i> |                | <i>Equivalent per Gallon</i> |
| <b>Bulk</b>      |                          |                |                          |                        |                           |                |                           |                |                              |                |                              |
| CT               |                          | 1.10           |                          | 1.20                   |                           | 12.10          |                           | 13.20          |                              | 43.90          | 45.70                        |
| ME               |                          | 1.00           |                          | 1.45                   |                           | 11.00          |                           | 16.00          |                              | 14.20          | 18.70                        |
| MA               |                          | 1.30           |                          | 1.40                   |                           | 14.30          |                           | 15.40          |                              | 37.80          | 40.60                        |
| MI               |                          | 1.80           |                          | 1.80                   |                           | 19.60          |                           | 19.60          |                              | 35.10          | 31.40                        |
| NH               |                          | 1.40           |                          | 1.60                   |                           | 15.40          |                           | 17.60          |                              | 38.10          | 40.00                        |
| NY               |                          | 1.35           |                          | 1.40                   |                           | 15.00          |                           | 15.60          |                              | 29.00          | 29.50                        |
| OH               |                          | 1.45           |                          | 1.55                   |                           | 15.80          |                           | 17.20          |                              | 34.30          | 31.30                        |
| PA               |                          | 1.30           |                          | 1.40                   |                           | 14.40          |                           | 15.10          |                              | 28.40          | 25.30                        |
| VT               |                          | 1.60           |                          | 1.90                   |                           | 17.60          |                           | 20.90          |                              | 30.00          | 30.80                        |
| WI               |                          | 1.40           |                          | 1.50                   |                           | 15.30          |                           | 16.00          |                              | 27.70          | 29.20                        |

<sup>1</sup> Prices for 2000 are revised.

<sup>2</sup> Data not published to avoid disclosure of individual operations.

**Sweet Potatoes: Area Planted and Harvested, Yield,  
and Production by State and United States, 2000-2001 <sup>1</sup>**

| State | Area Planted       |                    | Area Harvested     |                    |
|-------|--------------------|--------------------|--------------------|--------------------|
|       | 2000               | 2001               | 2000               | 2001               |
|       | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>1,000 Acres</i> |
| AL    | 3.3                | 3.0                | 3.2                | 2.9                |
| CA    | 10.5               | 10.0               | 10.5               | 10.0               |
| GA    | 0.6                | 0.5                | 0.5                | 0.4                |
| LA    | 25.0               | 24.0               | 24.0               | 22.0               |
| MS    | 12.7               | 16.7               | 12.3               | 16.0               |
| NJ    | 1.2                | 1.2                | 1.2                | 1.2                |
| NC    | 38.0               | 37.0               | 37.0               | 36.0               |
| SC    | 0.7                | 0.8                | 0.6                | 0.7                |
| TX    | 5.5                | 4.2                | 5.1                | 3.8                |
| VA    | 0.5                | 0.5                | 0.5                | 0.5                |
| US    | 98.0               | 97.9               | 94.9               | 93.5               |
|       | Yield              |                    | Production         |                    |
|       | 2000               | 2001               | 2000               | 2001               |
|       | <i>Cwt</i>         | <i>Cwt</i>         | <i>1,000 Cwt</i>   | <i>1,000 Cwt</i>   |
| AL    | 145                | 170                | 464                | 493                |
| CA    | 250                | 230                | 2,625              | 2,300              |
| GA    | 140                | 100                | 70                 | 40                 |
| LA    | 130                | 140                | 3,120              | 3,080              |
| MS    | 120                | 150                | 1,476              | 2,400              |
| NJ    | 100                | 105                | 120                | 126                |
| NC    | 150                | 155                | 5,550              | 5,580              |
| SC    | 85                 | 80                 | 51                 | 56                 |
| TX    | 45                 | 100                | 230                | 380                |
| VA    | 175                | 220                | 88                 | 110                |
| US    | 145                | 156                | 13,794             | 14,565             |

<sup>1</sup> 2001 Revised.

**Crop Summary: Area Planted and Harvested, United States, 2001-2002**  
(Domestic Units) <sup>1</sup>

| Crop                           | Area Planted       |                    | Area Harvested     |                    |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|
|                                | 2001               | 2002               | 2001               | 2002               |
|                                | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>1,000 Acres</i> | <i>1,000 Acres</i> |
| Grains & Hay                   |                    |                    |                    |                    |
| Barley                         | 4,967.0            | 5,078.0            | 4,289.0            |                    |
| Corn for Grain <sup>2</sup>    | 75,752.0           | 79,047.0           | 68,808.0           |                    |
| Corn for Silage                |                    |                    | 6,148.0            |                    |
| Hay, All                       |                    |                    | 63,511.0           | 63,743.0           |
| Alfalfa                        |                    |                    | 23,812.0           |                    |
| All Other                      |                    |                    | 39,699.0           |                    |
| Oats                           | 4,403.0            | 5,129.0            | 1,905.0            | 2,531.0            |
| Proso Millet                   | 650.0              |                    | 580.0              |                    |
| Rice                           | 3,335.0            | 3,323.0            | 3,314.0            |                    |
| Rye                            | 1,328.0            |                    | 255.0              |                    |
| Sorghum for Grain <sup>2</sup> | 10,252.0           | 9,015.0            | 8,584.0            |                    |
| Sorghum for Silage             |                    |                    | 336.0              |                    |
| Wheat, All                     | 59,617.0           | 59,004.0           | 48,653.0           |                    |
| Winter                         | 41,078.0           | 41,076.0           | 31,295.0           | 30,174.0           |
| Durum                          | 2,910.0            | 2,842.0            | 2,789.0            |                    |
| Other Spring                   | 15,629.0           | 15,086.0           | 14,569.0           |                    |
| Oilseeds                       |                    |                    |                    |                    |
| Canola                         | 1,494.0            | 1,549.0            | 1,455.0            |                    |
| Cottonseed                     |                    |                    |                    |                    |
| Flaxseed                       | 585.0              |                    | 578.0              |                    |
| Mustard Seed                   | 45.8               |                    | 44.2               |                    |
| Peanuts                        | 1,541.2            | 1,465.0            | 1,411.9            |                    |
| Rapeseed                       | 3.7                |                    | 3.1                |                    |
| Safflower                      | 188.0              |                    | 177.0              |                    |
| Soybeans for Beans             | 74,105.0           | 72,966.0           | 73,000.0           |                    |
| Sunflowers                     | 2,653.0            | 2,493.0            | 2,580.0            |                    |
| Cotton, Tobacco & Sugar Crops  |                    |                    |                    |                    |
| Cotton, All                    | 15,768.5           | 14,770.5           | 13,827.7           |                    |
| Upland                         | 15,498.5           | 14,496.0           | 13,559.5           |                    |
| Amer-Pima                      | 270.0              | 274.5              | 268.2              |                    |
| Sugarbeets                     | 1,370.8            | 1,418.4            | 1,243.6            |                    |
| Sugarcane                      |                    |                    | 1,028.0            |                    |
| Tobacco                        |                    |                    | 432.4              | 429.4              |
| Dry Beans, Peas & Lentils      |                    |                    |                    |                    |
| Austrian Winter Peas           | 15.9               |                    | 7.1                |                    |
| Dry Edible Beans               | 1,429.9            | 1,766.5            | 1,243.0            |                    |
| Dry Edible Peas                | 211.8              |                    | 196.8              |                    |
| Lentils                        | 201.0              |                    | 197.0              |                    |
| Wrinkled Seed Peas             |                    |                    |                    |                    |
| Potatoes & Misc.               |                    |                    |                    |                    |
| Coffee (HI)                    |                    |                    | 6.3                |                    |
| Ginger Root (HI)               |                    |                    | 0.4                |                    |
| Hops                           |                    |                    | 35.9               | 29.3               |
| Peppermint Oil                 |                    |                    | 78.5               |                    |
| Potatoes, All                  | 1,267.1            |                    | 1,241.3            |                    |
| Winter                         | 16.8               | 13.8               | 14.0               | 13.5               |
| Spring                         | 78.3               | 80.3               | 76.2               | 77.7               |
| Summer                         | 60.9               |                    | 58.6               |                    |
| Fall                           | 1,111.1            |                    | 1,092.5            |                    |
| Spearmint Oil                  |                    |                    | 19.5               |                    |
| Sweet Potatoes                 | 97.9               | 95.6               | 93.5               |                    |
| Taro (HI) <sup>3</sup>         |                    |                    | 0.4                |                    |

<sup>1</sup> Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2002 crop year.

<sup>2</sup> Area planted for all purposes.

<sup>3</sup> Area is total acres in crop, not harvested acreage.

**Crop Summary: Yield and Production, United States, 2001-2002**  
(Domestic Units) <sup>1</sup>

| Crop                              | Unit | Yield  |      | Production   |              |
|-----------------------------------|------|--------|------|--------------|--------------|
|                                   |      | 2001   | 2002 | 2001         | 2002         |
|                                   |      |        |      | <i>1,000</i> | <i>1,000</i> |
| Grains & Hay                      |      |        |      |              |              |
| Barley                            | Bu   | 58.2   |      | 249,590      |              |
| Corn for Grain                    | "    | 138.2  |      | 9,506,840    |              |
| Corn for Silage                   | Ton  | 16.6   |      | 102,352      |              |
| Hay, All                          | "    | 2.47   |      | 156,703      |              |
| Alfalfa                           | "    | 3.37   |      | 80,266       |              |
| All Other                         | "    | 1.93   |      | 76,437       |              |
| Oats                              | Bu   | 61.3   |      | 116,856      |              |
| Proso Millet                      | "    | 33.2   |      | 19,250       |              |
| Rice <sup>2</sup>                 | Cwt  | 6,429  |      | 213,045      |              |
| Rye                               | Bu   | 27.3   |      | 6,971        |              |
| Sorghum for Grain                 | "    | 59.9   |      | 514,524      |              |
| Sorghum for Silage                | Ton  | 11.1   |      | 3,728        |              |
| Wheat, All                        | Bu   | 40.2   |      | 1,957,643    |              |
| Winter                            | "    | 43.5   | 41.0 | 1,361,479    | 1,237,671    |
| Durum                             | "    | 30.0   |      | 83,556       |              |
| Other Spring                      | "    | 35.2   |      | 512,608      |              |
| Oilseeds                          |      |        |      |              |              |
| Canola                            | Lb   | 1,374  |      | 1,998,515    |              |
| Cottonseed <sup>3</sup>           | Ton  |        |      | 7,452.2      |              |
| Flaxseed                          | Bu   | 19.8   |      | 11,455       |              |
| Mustard Seed                      | Lb   | 930    |      | 41,106       |              |
| Peanuts                           | "    | 3,029  |      | 4,276,704    |              |
| Rapeseed                          | "    | 1,306  |      | 4,050        |              |
| Safflower                         | "    | 1,365  |      | 241,665      |              |
| Soybeans for Beans                | Bu   | 39.6   |      | 2,890,572    |              |
| Sunflowers                        | Lb   | 1,349  |      | 3,480,696    |              |
| Cotton, Tobacco & Sugar Crops     |      |        |      |              |              |
| Cotton, All <sup>2</sup>          | Bale | 705    |      | 20,302.8     |              |
| Upland <sup>2</sup>               | "    | 694    |      | 19,602.4     |              |
| Amer-Pima <sup>2</sup>            | "    | 1,254  |      | 700.4        |              |
| Sugarbeets                        | Ton  | 20.7   |      | 25,787       |              |
| Sugarcane                         | "    | 33.6   |      | 34,587       |              |
| Tobacco                           | Lb   | 2,293  |      | 991,519      |              |
| Dry Beans, Peas & Lentils         |      |        |      |              |              |
| Austrian Winter Peas <sup>2</sup> | Cwt  | 1,366  |      | 97           |              |
| Dry Edible Beans <sup>2</sup>     | "    | 1,572  |      | 19,541       |              |
| Dry Edible Peas <sup>2</sup>      | "    | 1,920  |      | 3,779        |              |
| Lentils <sup>2</sup>              | "    | 1,471  |      | 2,898        |              |
| Wrinkled Seed Peas <sup>3</sup>   | "    |        |      | 640          |              |
| Potatoes & Misc.                  |      |        |      |              |              |
| Coffee (HI)                       | Lb   | 1,210  |      | 7,600        |              |
| Ginger Root (HI)                  | "    | 45,000 |      | 16,200       |              |
| Hops                              | "    | 1,861  |      | 66,832.1     |              |
| Peppermint Oil                    | "    | 81     |      | 6,343        |              |
| Potatoes, All                     | Cwt  | 358    |      | 444,766      |              |
| Winter                            | "    | 294    | 272  | 4,115        | 3,678        |
| Spring                            | "    | 286    | 280  | 21,814       | 21,753       |
| Summer                            | "    | 309    |      | 18,110       |              |
| Fall                              | "    | 367    |      | 400,727      |              |
| Spearmint Oil                     | Lb   | 105    |      | 2,052        |              |
| Sweet Potatoes                    | Cwt  | 156    |      | 14,565       |              |
| Taro (HI) <sup>3</sup>            | Lb   |        |      | 6,400        |              |

<sup>1</sup> Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2002 crop year.

<sup>2</sup> Yield in pounds.

<sup>3</sup> Yield is not estimated.



**Fruits and Nuts Production, United States, 2000-2002**  
(Domestic Units) <sup>1</sup>

| Crop                   | Unit      | Production   |              |              |
|------------------------|-----------|--------------|--------------|--------------|
|                        |           | 2000         | 2001         | 2002         |
|                        |           | <i>1,000</i> | <i>1,000</i> | <i>1,000</i> |
| Citrus <sup>2</sup>    |           |              |              |              |
| Grapefruit             | Ton       | 2,762        | 2,469        | 2,503        |
| K-Early Citrus (FL)    | "         | 5            | 2            | 1            |
| Lemons                 | "         | 840          | 1,000        | 954          |
| Oranges                | "         | 12,997       | 12,315       | 12,422       |
| Tangelos (FL)          | "         | 99           | 95           | 97           |
| Tangerines             | "         | 458          | 369          | 424          |
| Temples (FL)           | "         | 88           | 56           | 70           |
| Noncitrus              |           |              |              |              |
| Apples                 | 1,000 Lbs | 10,663.7     | 9,435.2      |              |
| Apricots               | Ton       | 96.9         | 82.3         |              |
| Bananas (HI)           | Lb        | 29,000.0     | 28,000.0     |              |
| Grapes                 | Ton       | 7,688.0      | 6,521.2      |              |
| Olives (CA)            | "         | 53.0         | 134.0        |              |
| Papayas (HI)           | Lb        | 54,500.0     | 55,000.0     |              |
| Peaches                | 1,000 Lbs | 2,599.9      | 2,437.4      |              |
| Pears                  | Ton       | 967.2        | 970.8        |              |
| Prunes, Dried (CA)     | "         | 219.0        | 150.0        | 155.0        |
| Prunes & Plums (Ex CA) | "         | 23.9         | 20.8         |              |
| Nuts & Misc.           |           |              |              |              |
| Almonds (CA)           | Lb        | 703,000      | 830,000      | 940,000      |
| Hazelnuts              | Ton       | 22.5         | 48.0         |              |
| Pecans                 | Lb        | 209,850      | 315,000      |              |
| Pistachios (CA)        | "         | 243,000      | 161,000      |              |
| Walnuts (CA)           | Ton       | 239.0        | 305.0        |              |
| Maple Syrup            | Gal       | 1,231        | 1,049        | 1,356        |

<sup>1</sup> Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2002 crop year.

<sup>2</sup> Production years are 1999-2000, 2000-2001, and 2001-2002.

**Crop Summary: Area Planted and Harvested, United States, 2001-2002**  
(Metric Units) <sup>1</sup>

| Crop                                     | Area Planted    |                 | Area Harvested  |                 |
|--|-----------------|-----------------|-----------------|-----------------|
|  | 2001            | 2002            | 2001            | 2002            |
|  | <i>Hectares</i> | <i>Hectares</i> | <i>Hectares</i> | <i>Hectares</i> |
| <b>Grains &amp; Hay</b>                  |                 |                 |                 |                 |
| Barley                                   | 2,010,100       | 2,055,020       | 1,735,720       |                 |
| Corn for Grain <sup>2</sup>              | 30,656,080      | 31,989,530      | 27,845,910      |                 |
| Corn for Silage                          |                 |                 | 2,488,030       |                 |
| Hay, All <sup>3</sup>                    |                 |                 | 25,702,270      | 25,796,150      |
| Alfalfa                                  |                 |                 | 9,636,480       |                 |
| All Other                                |                 |                 | 16,065,790      |                 |
| Oats                                     | 1,781,850       | 2,075,660       | 770,930         | 1,024,270       |
| Proso Millet                             | 263,050         |                 | 234,720         |                 |
| Rice                                     | 1,349,640       | 1,344,780       | 1,341,140       |                 |
| Rye                                      | 537,430         |                 | 103,200         |                 |
| Sorghum for Grain <sup>2</sup>           | 4,148,880       | 3,648,280       | 3,473,860       |                 |
| Sorghum for Silage                       |                 |                 | 135,980         |                 |
| Wheat, All <sup>3</sup>                  | 24,126,400      | 23,878,330      | 19,689,380      |                 |
| Winter                                   | 16,623,860      | 16,623,050      | 12,664,770      | 12,211,120      |
| Durum                                    | 1,177,650       | 1,150,130       | 1,128,680       |                 |
| Other Spring                             | 6,324,900       | 6,105,150       | 5,895,930       |                 |
| <b>Oilseeds</b>                          |                 |                 |                 |                 |
| Canola                                   | 604,610         | 626,860         | 588,820         |                 |
| Cottonseed                               |                 |                 |                 |                 |
| Flaxseed                                 | 236,740         |                 | 233,910         |                 |
| Mustard Seed                             | 18,530          |                 | 17,890          |                 |
| Peanuts                                  | 623,710         | 592,870         | 571,380         |                 |
| Rapeseed                                 | 1,500           |                 | 1,250           |                 |
| Safflower                                | 76,080          |                 | 71,630          |                 |
| Soybeans for Beans                       | 29,989,550      | 29,528,610      | 29,542,370      |                 |
| Sunflowers                               | 1,073,640       | 1,008,890       | 1,044,100       |                 |
| <b>Cotton, Tobacco &amp; Sugar Crops</b> |                 |                 |                 |                 |
| Cotton, All <sup>3</sup>                 | 6,381,350       | 5,977,470       | 5,595,930       |                 |
| Upland                                   | 6,272,090       | 5,866,390       | 5,487,390       |                 |
| Amer-Pima                                | 109,270         | 111,090         | 108,540         |                 |
| Sugarbeets                               | 554,750         | 574,010         | 503,270         |                 |
| Sugarcane                                |                 |                 | 416,020         |                 |
| Tobacco                                  |                 |                 | 174,990         | 173,780         |
| <b>Dry Beans, Peas &amp; Lentils</b>     |                 |                 |                 |                 |
| Austrian Winter Peas                     | 6,430           |                 | 2,870           |                 |
| Dry Edible Beans                         | 578,670         | 714,880         | 503,030         |                 |
| Dry Edible Peas                          | 85,710          |                 | 79,640          |                 |
| Lentils                                  | 81,340          |                 | 79,720          |                 |
| Wrinkled Seed Peas                       |                 |                 |                 |                 |
| <b>Potatoes &amp; Misc.</b>              |                 |                 |                 |                 |
| Coffee (HI)                              |                 |                 | 2,550           |                 |
| Ginger Root (HI)                         |                 |                 | 150             |                 |
| Hops                                     |                 |                 | 14,530          | 11,850          |
| Peppermint Oil                           |                 |                 | 31,770          |                 |
| Potatoes, All <sup>3</sup>               | 512,780         |                 | 502,340         |                 |
| Winter                                   | 6,800           | 5,580           | 5,670           | 5,460           |
| Spring                                   | 31,690          | 32,500          | 30,840          | 31,440          |
| Summer                                   | 24,650          |                 | 23,710          |                 |
| Fall                                     | 449,650         |                 | 442,120         |                 |
| Spearmint Oil                            |                 |                 | 7,890           |                 |
| Sweet Potatoes                           | 39,620          | 38,690          | 37,840          |                 |
| Taro (HI) <sup>4</sup>                   |                 |                 | 180             |                 |

<sup>1</sup> Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2002 crop year.

<sup>2</sup> Area planted for all purposes.

<sup>3</sup> Total may not add due to rounding.

<sup>4</sup> Area is total hectares in crop, not harvested hectares.

**Crop Summary: Yield and Production, United States, 2001-2002**  
(Metric Units)<sup>1</sup>

| Crop                                     | Yield              |                    | Production         |                    |
|--|--------------------|--------------------|--------------------|--------------------|
|  | 2001               | 2002               | 2001               | 2002               |
|  | <i>Metric Tons</i> | <i>Metric Tons</i> | <i>Metric Tons</i> | <i>Metric Tons</i> |
| <b>Grains &amp; Hay</b>                  |                    |                    |                    |                    |
| Barley                                   | 3.13               |                    | 5,434,180          |                    |
| Corn for Grain                           | 8.67               |                    | 241,484,860        |                    |
| Corn for Silage                          | 37.32              |                    | 92,852,170         |                    |
| Hay, All <sup>2</sup>                    | 5.53               |                    | 142,158,570        |                    |
| Alfalfa                                  | 7.56               |                    | 72,816,090         |                    |
| All Other                                | 4.32               |                    | 69,342,480         |                    |
| Oats                                     | 2.20               |                    | 1,696,160          |                    |
| Proso Millet                             | 1.86               |                    | 436,580            |                    |
| Rice                                     | 7.21               |                    | 9,663,560          |                    |
| Rye                                      | 1.72               |                    | 177,070            |                    |
| Sorghum for Grain                        | 3.76               |                    | 13,069,510         |                    |
| Sorghum for Silage                       | 24.87              |                    | 3,381,980          |                    |
| Wheat, All <sup>2</sup>                  | 2.71               |                    | 53,278,310         |                    |
| Winter                                   | 2.93               | 2.76               | 37,053,390         | 33,683,880         |
| Durum                                    | 2.01               |                    | 2,274,020          |                    |
| Other Spring                             | 2.37               |                    | 13,950,900         |                    |
| <b>Oilseeds</b>                          |                    |                    |                    |                    |
| Canola                                   | 1.54               |                    | 906,510            |                    |
| Cottonseed <sup>3</sup>                  |                    |                    | 6,760,520          |                    |
| Flaxseed                                 | 1.24               |                    | 290,970            |                    |
| Mustard Seed                             | 1.04               |                    | 18,650             |                    |
| Peanuts                                  | 3.40               |                    | 1,939,880          |                    |
| Rapeseed                                 | 1.46               |                    | 1,840              |                    |
| Safflower                                | 1.53               |                    | 109,620            |                    |
| Soybeans for Beans                       | 2.66               |                    | 78,668,480         |                    |
| Sunflowers                               | 1.51               |                    | 1,578,820          |                    |
| <b>Cotton, Tobacco &amp; Sugar Crops</b> |                    |                    |                    |                    |
| Cotton, All <sup>2</sup>                 | 0.79               |                    | 4,420,410          |                    |
| Upland                                   | 0.78               |                    | 4,267,920          |                    |
| Amer-Pima                                | 1.40               |                    | 152,490            |                    |
| Sugarbeets                               | 46.48              |                    | 23,393,570         |                    |
| Sugarcane                                | 75.42              |                    | 31,376,800         |                    |
| Tobacco                                  | 2.57               |                    | 449,750            |                    |
| <b>Dry Beans, Peas &amp; Lentils</b>     |                    |                    |                    |                    |
| Austrian Winter Peas                     | 1.53               |                    | 4,400              |                    |
| Dry Edible Beans                         | 1.76               |                    | 886,360            |                    |
| Dry Edible Peas                          | 2.15               |                    | 171,410            |                    |
| Lentils                                  | 1.65               |                    | 131,450            |                    |
| Wrinkled Seed Peas <sup>3</sup>          |                    |                    | 29,030             |                    |
| <b>Potatoes &amp; Misc.</b>              |                    |                    |                    |                    |
| Coffee (HI)                              | 1.35               |                    | 3,450              |                    |
| Ginger Root (HI)                         | 50.44              |                    | 7,350              |                    |
| Hops                                     | 2.09               |                    | 30,310             |                    |
| Peppermint Oil                           | 0.09               |                    | 2,880              |                    |
| Potatoes, All <sup>2</sup>               | 40.16              |                    | 20,174,250         |                    |
| Winter                                   | 32.94              | 30.54              | 186,650            | 166,830            |
| Spring                                   | 32.09              | 31.38              | 989,470            | 986,700            |
| Summer                                   | 34.64              |                    | 821,460            |                    |
| Fall                                     | 41.11              |                    | 18,176,670         |                    |
| Spearmint Oil                            | 0.12               |                    | 930                |                    |
| Sweet Potatoes                           | 17.46              |                    | 660,660            |                    |
| Taro (HI) <sup>3</sup>                   |                    |                    | 2,900              |                    |

<sup>1</sup> Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2002 crop year.

<sup>2</sup> Production may not add due to rounding.

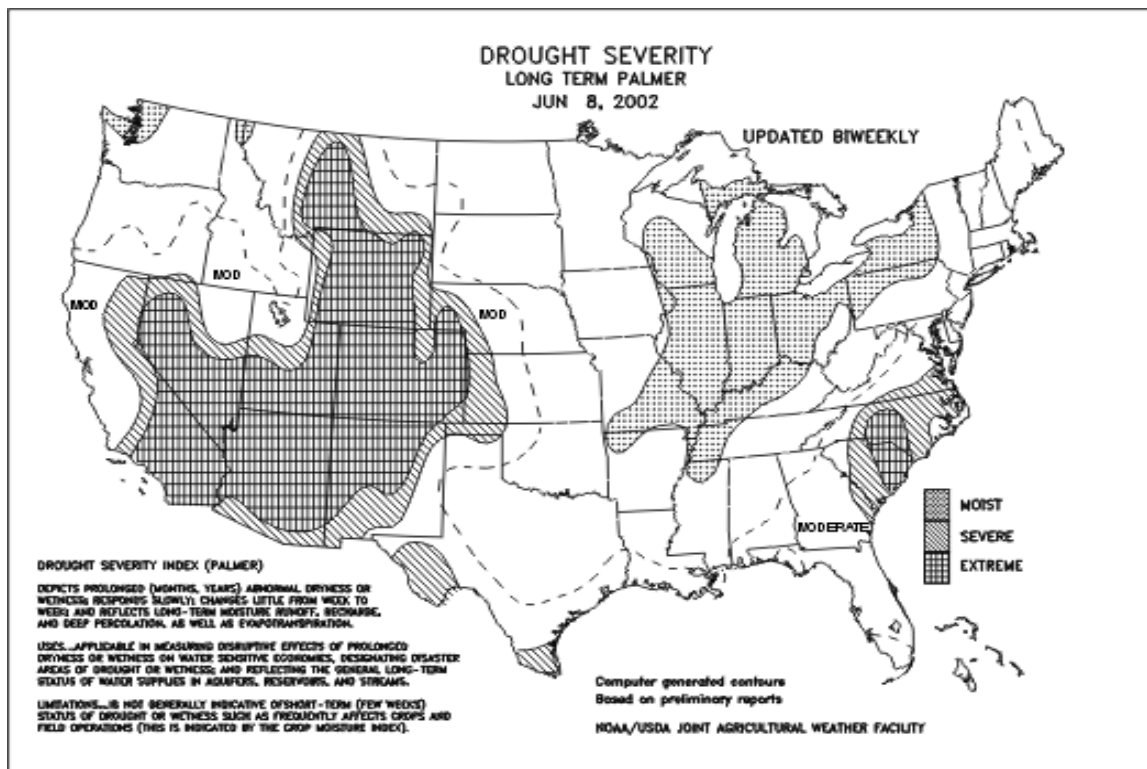
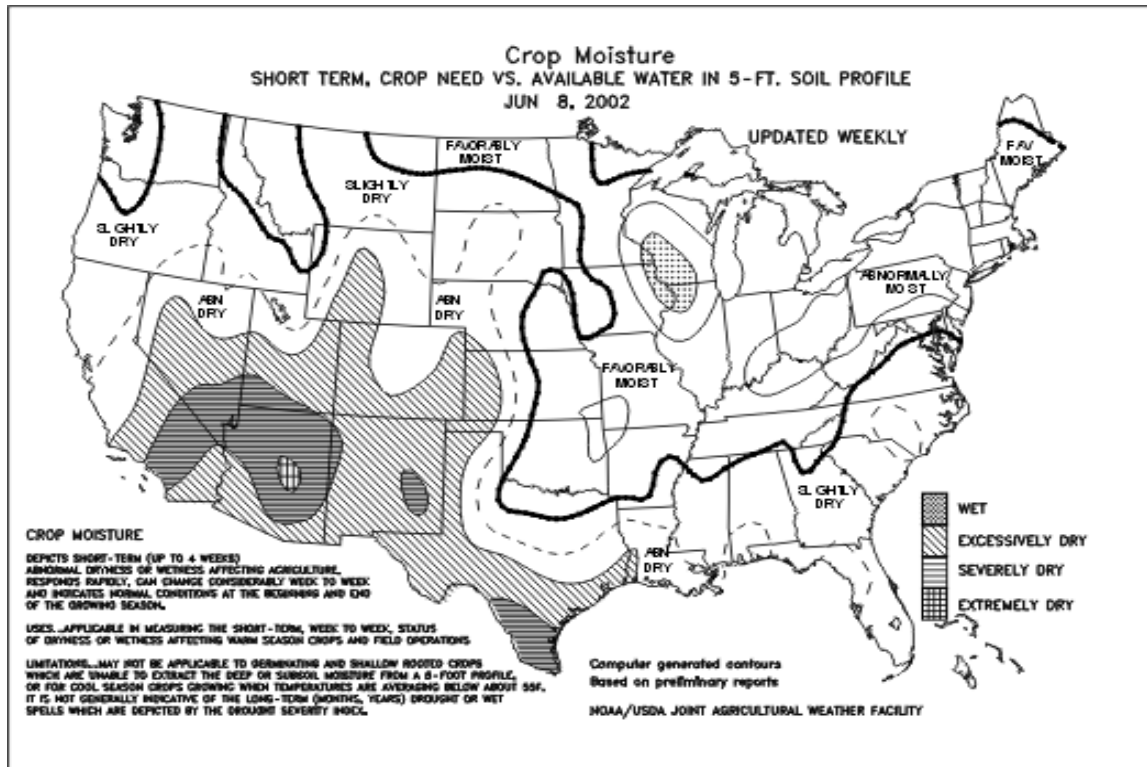
<sup>3</sup> Yield is not estimated.

**Fruits and Nuts Production, United States, 2000-2002**  
(Metric Units) <sup>1</sup>

| Crop                   | Production         |                    |                    |
|------------------------|--------------------|--------------------|--------------------|
|                        | 2000               | 2001               | 2002               |
|                        | <i>Metric tons</i> | <i>Metric tons</i> | <i>Metric tons</i> |
| Citrus <sup>2</sup>    |                    |                    |                    |
| Grapefruit             | 2,505,640          | 2,239,840          | 2,270,680          |
| K-Early Citrus (FL)    | 4,540              | 1,810              | 910                |
| Lemons                 | 762,040            | 907,180            | 865,450            |
| Oranges                | 11,790,680         | 11,171,980         | 11,269,050         |
| Tangelos (FL)          | 89,810             | 86,180             | 88,000             |
| Tangerines             | 415,490            | 334,750            | 384,650            |
| Temples (FL)           | 79,830             | 50,800             | 63,500             |
| Noncitrus              |                    |                    |                    |
| Apples                 | 4,836,970          | 4,279,740          |                    |
| Apricots               | 87,910             | 74,630             |                    |
| Bananas (HI)           | 13,150             | 12,700             |                    |
| Grapes                 | 6,974,410          | 5,915,930          |                    |
| Olives (CA)            | 48,080             | 121,560            |                    |
| Papayas (HI)           | 24,720             | 24,950             |                    |
| Peaches                | 1,179,290          | 1,105,590          |                    |
| Pears                  | 877,380            | 880,700            |                    |
| Prunes, Dried (CA)     | 198,670            | 136,080            | 140,610            |
| Prunes & Plums (Ex CA) | 21,680             | 18,870             |                    |
| Nuts & Misc.           |                    |                    |                    |
| Almonds (CA)           | 318,880            | 376,480            | 426,380            |
| Hazelnuts              | 20,410             | 43,540             |                    |
| Pecans                 | 95,190             | 142,880            |                    |
| Pistachios (CA)        | 110,220            | 73,030             |                    |
| Walnuts (CA)           | 216,820            | 276,690            |                    |
| Maple Syrup            | 6,150              | 5,240              | 6,780              |

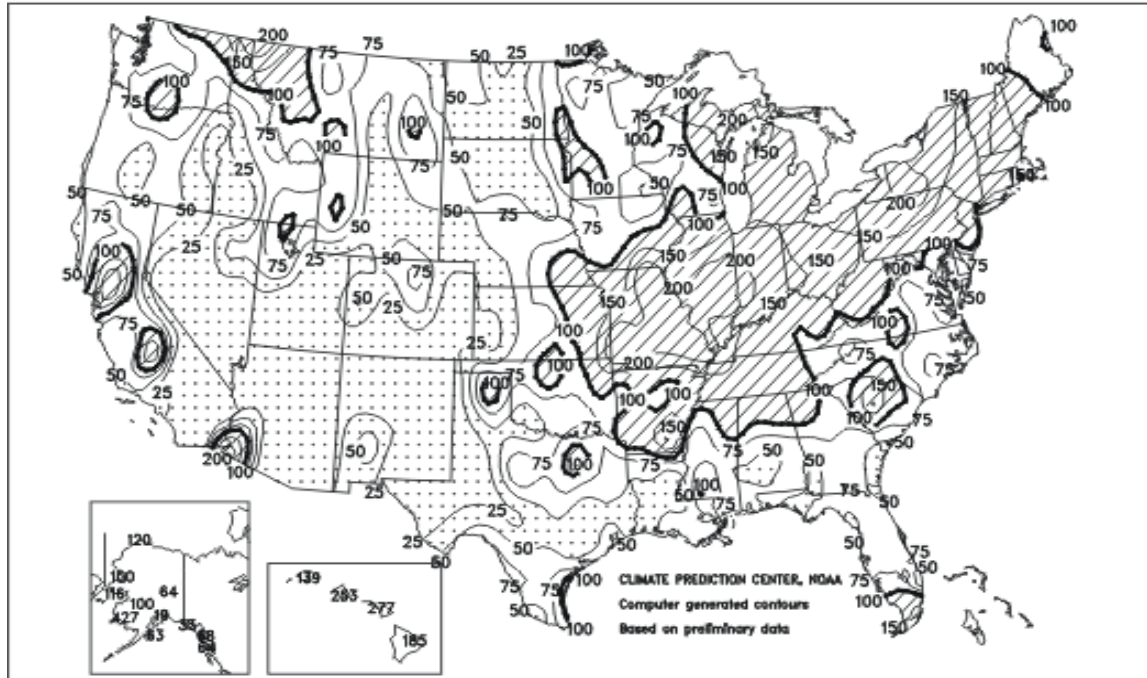
<sup>1</sup> Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2002 crop year.

<sup>2</sup> Production years are 1999-2000, 2000-2001, and 2001-2002.



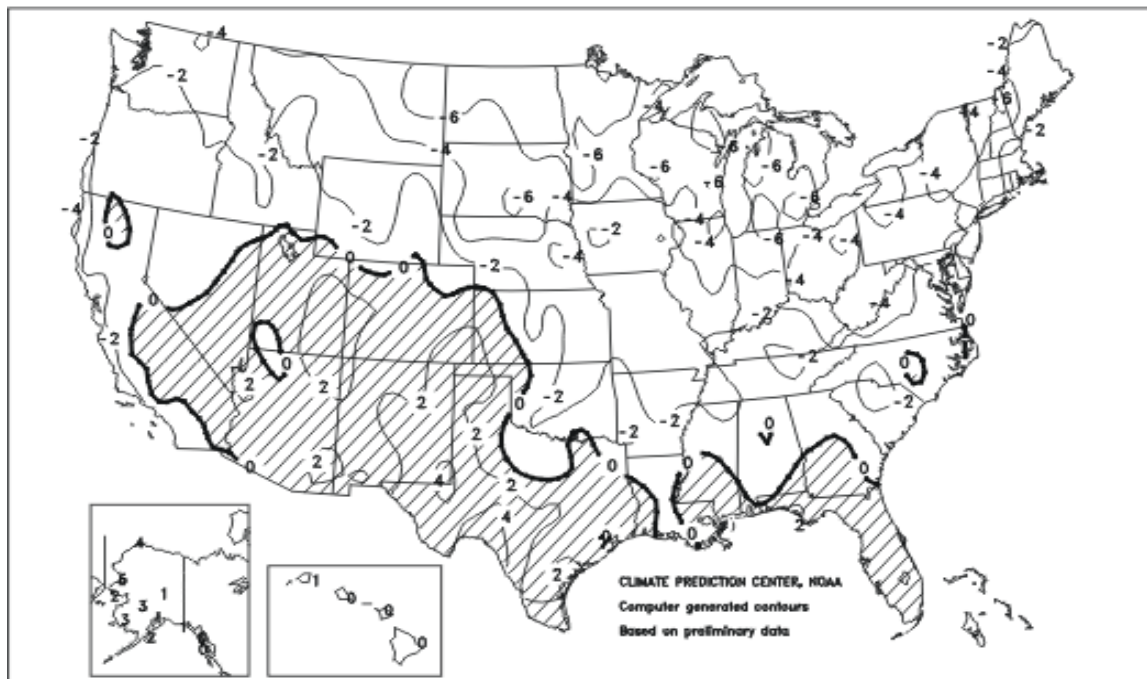
# Percent Of Normal Precipitation

May 2002



# Departure of Average Temperature from Normal (°F)

May 2002



## May Weather Summary

A cool weather regime expanded across the Nation, peaking from May 17-25 before easing its grip toward month's end. Monthly temperatures averaged 2 to 8 degrees F below normal across the northern Plains, Midwest, and Northeast. However, higher late-month temperatures aided the emergence and development of corn, soybeans, and spring-sown small grains across the northern Plains and upper Midwest, areas that had been subjected to a 5-week cool snap. Meanwhile, the Deep South experienced mid- to late-month relief from an early-season hot spell, but a late-May heat wave in the Southwest increased the threat of wildfires and strained drought-reduced irrigation reserves. Monthly temperatures averaged near normal across the South but as much as 4 degrees F above normal in the Southwest. Heat reached the central and southern High Plains at month's end, promoting maturation of the drought-affected winter wheat crop but increasing stress on dryland summer crops.

Just to the east, areas from the southeastern Plains to the Ohio Valley suffered through repeated rounds of heavy rain and persistent lowland flooding. In the Corn Belt, significant fieldwork delays were noted in a 5-State area from Missouri to Ohio, with most locations in the affected area receiving 6 to 12 inches of rain during May. Meanwhile in the Northeast, widespread rainfall further eased long-term drought, but showers were more widely scattered in the southern Atlantic region, which continued to experience the effects of a 4-year (1998-2002) drought. Despite a late-month increase in shower activity, unfavorably dry conditions persisted across the Deep South, particularly from southern Texas to the southern Delta. Farther north, Montana's drought-stricken pastures and winter grains received beneficial precipitation during May, although windy conditions and the staggering effects of long-term drought limited crop recovery.

## May Crop Summary

Planting progress was slow in the southern, central, and eastern Corn Belt during May, as storms frequently tracked across the lower Missouri, middle Mississippi, and Ohio River Valleys. Planting progressed much faster in the Southeast, Atlantic Coastal Plain, northern and western Corn Belt, and Great Plains, where precipitation was lighter and less frequent. Cold weather prevailed in the northern Great Plains and Corn Belt during most of the month, delaying emergence and growth of spring planted crops and hindering development of winter grains. In the southern Great Plains and Southeast, seasonal and above-normal temperatures quickly ripened winter grains and promoted development of spring crops where soil moisture supplies were available.

Frequent storms delayed corn planting across the southern Corn Belt and adjacent areas of the central and eastern Corn Belt through most of May. On May 19, planting was about 4 weeks behind normal in Indiana and 3 weeks behind in Ohio. In Illinois, Kentucky, Michigan, and Wisconsin, planting delays ranged from nearly 2 weeks to almost 3 weeks behind normal. In Missouri, planting was ahead of the 5-year average until mid-month, but fell behind normal after midmonth. Meanwhile, planting delays were shorter and less frequent in the northwestern Corn Belt and adjacent areas of the Great Plains. As a result, planting neared completion slightly ahead of normal in Iowa, Kansas, Minnesota, Nebraska, and the Dakota's. Cold weather, including many overnight record lows, hampered germination, emergence, and growth across the entire Corn Belt and Great Plains during most of the month. Arrival of hot weather near the end of the month aided emergence, and stimulated growth and improved the color of most emerged fields. On June 2, planting was 98 percent complete and 90 percent was emerged.

Early-May soybean planting lagged across most of the Corn Belt, but progress accelerated in the lower Mississippi Valley and along the Atlantic Coastal Plain. As midmonth approached, planting gained momentum in the central Great Plains and western Corn Belt. However, very few soybean fields were planted across the southern, central, and eastern Corn Belt before midmonth, due to persistent wet weather. On May 19, planting was 3 weeks behind normal in Indiana and Ohio and 2 weeks late in Illinois. After midmonth, planting rapidly progressed in the western Corn Belt and northern Great Plains. South Dakota producers planted 40 percent of their acreage during the week that ended May 26, surpassing the 37-percent progress in North Dakota, and the 30-percent progress in Iowa and Minnesota. Planting rapidly accelerated in the central and eastern Corn Belt late in the month, but remained far behind normal in most areas. Seasonal warmth aided germination and promoted growth on the Atlantic Coastal Plains, but cold weather hampered emergence in the Corn Belt and Great Plains until late in the month. On June 2, planting was 85 percent complete and 66 percent was emerged.

Hot weather quickly ripened winter wheat fields along and near the Gulf Coast during the first half of the month. Farther north, development accelerated in the southern Corn Belt and central Great Plains even though temperatures were not favorably warm. In the eastern Corn Belt, fields entered the heading stage much later than normal, especially in Ohio. Virtually all of Montana's crop broke dormancy by midmonth, but cold weather hampered growth on the northern Great Plains during most of the month. Harvest progressed with few delays along the Gulf Coast and Atlantic Coastal Plain, while rain periodically interrupted progress in interior parts of the southern Great Plains and Mississippi Delta. On June 2, acreage headed was at 82 percent and harvest was 5 percent complete. Normally, 85 percent would be headed and 3 percent harvested by this date.

Nearly ideal conditions supported cotton planting in the Southeast and Atlantic Coastal Plain during May. In the lower Mississippi Valley, rain and persistent wetness hampered planting in the interior Delta States, while dry soils limited planting near the Gulf Coast. In the southern Great Plains, wet weather briefly delayed progress in southern Oklahoma and northeastern Texas, while moisture shortages limited progress on the High Plains of Texas and New Mexico. Planting was nearly complete in the Southwest by midmonth. Hot weather accelerated vegetative growth near the end of the month and by June 2, acreage squaring was slightly ahead of the 9-percent average.

Early-month barley and spring wheat seedings were delayed by winter-like weather that included locally significant snowfall and widespread periods of sub-freezing temperatures. By midmonth, planting was about 1 week behind the 5-year average for both crops. However, planting was nearly complete in the Pacific Northwest. After midmonth, dry weather supported rapid planting on the northern Great Plains and by the end of the month, planting was slightly ahead of normal. Cold weather hindered germination and emerged fields produced little growth until late in the month.

Oat planting accelerated in the upper Mississippi Valley and northern Great Plains early in the month, as dry weather supported progress. Planting also gained momentum in Ohio and Wisconsin, but progress remained far behind normal due to frequent rain and lingering wetness. Emergence remained well ahead of normal in Iowa and Nebraska, despite cooler-than-normal temperatures.

Rice seeding neared completion in Texas and Louisiana early in the month, while wet weather interfered with progress in the interior Mississippi Delta until after midmonth. Planting delays were especially lengthy in Missouri due to heavy rain and flooding. Meanwhile, planting steadily advanced in California. Warm weather promoted rapid emergence and growth throughout the Mississippi Delta and Gulf Coast most of the month, although a period of below-normal temperatures temporarily slowed development near the end of the month.

Sorghum planting was active in the lower Mississippi Valley early in the month, even though excessively dry soils persisted near the Gulf Coast and rain briefly delayed progress in interior areas. The planting pace slowly increased on the Great Plains, with a few fields seeded as far north as South Dakota by mid-month. After midmonth, dry weather prevailed across the central and northern Great Plains and planting rapidly accelerated. Planting was slow in the central and southern Corn Belt most of the month due to frequent heavy rain.

Peanut planting progressed with few rain delays in the Southeast and mid-Atlantic Coastal Plain during May. In the southern High Plains, blowing soil and moisture shortages hindered progress. On June 2, planting was 91 percent complete, slightly ahead of the 5-year average of 87 percent.

Sugarbeet planting was nearly complete in Idaho and Michigan by mid-May. In Minnesota and North Dakota, cold weather and wintery precipitation limited sugarbeet seeding early in the month, but planting accelerated near midmonth and remained active through the remainder of the month. Sunflower seeding also accelerated after midmonth.

**Winter Wheat:** Area for 2002 grain harvest is forecast at 30.2 million acres, unchanged from May 1, but down 4 percent from 2001. This is the smallest winter wheat area since 1917. As of June 2, heading had reached 82 percent in the 18 major States. Harvest progress was at 5 percent, ranging from none in most States to 35 percent in Texas.



Hot weather quickly ripened winter wheat fields along and near the Gulf Coast during the first half of the month. Farther north, development accelerated in the southern Corn Belt and central Great Plains even though temperatures were not favorably warm. In the eastern Corn Belt, fields entered the heading stage much later than normal, especially in Ohio. Virtually all of Montana's crop broke dormancy by midmonth, but cold weather hampered growth on the northern Great Plains during most of the month. Harvest progressed with few delays along the Gulf Coast and Atlantic Coastal Plain, while rain periodically interrupted progress in interior parts of the southern Great Plains and Mississippi Delta.

Forecasted head counts from the Objective Yield surveys in the 6 Hard Red Winter States (Colorado, Kansas, Montana, Nebraska, Oklahoma, and Texas) are above last year's final counts. Indicated average head weights are below last year's level, except in Montana. Although some precipitation was received across much of the Plains during May, it was not enough to relieve the drought conditions plaguing the region.

Forecasted head counts from the Objective Yield surveys in the 3 Soft Red Winter States (Illinois, Missouri, and Ohio) are well above last year's final counts. Indicated average head weights are below last year. Excessive spring precipitation across this region has reduced crop condition ratings during May. Drought conditions continue to reduce yields across portions of the Southeast and Mid-Atlantic coast.

The Pacific Northwest States' (Washington, Oregon, and Idaho) winter wheat yield prospects declined during May. Crop development is behind normal in Idaho due to cool spring temperatures, but the crop is developing rapidly since temperatures have warmed during the last half of May. Oregon received very little rain during May, further stressing dryland wheat. The Washington crop is rated mostly fair to good, however precipitation is needed to maintain this condition. A freeze in early May does not appear to have affected the Washington winter wheat crop.

**Durum Wheat:** Production of Durum wheat in Arizona and California is forecast at a collective 17.6 million bushels. The forecast is down 1 percent from May 1 but up 7 percent from their 2001 total of 16.4 million bushels. The Arizona harvest is 20 percent complete. Harvest in the California Imperial Valley was active throughout May, while the San Joaquin Valley harvest is just getting underway.

**Peaches:** The 2002 peach crop in California, Georgia, and South Carolina is forecast at 2.18 billion pounds, up 11 percent from 2001 and 3 percent above two years ago.

The California Clingstone crop is forecast at 1.05 billion pounds, up 5 percent from the May 1 forecast but 10 percent below 2001. The crop experienced favorable weather conditions during bloom. Set is reported to be lighter in the Sacramento Valley than in the northern San Joaquin Valley. Harvest is expected to begin around the middle of June.

The California Freestone crop is forecast at 830 million pounds, unchanged from the May 1 forecast but 7 percent above 2001. The Freestone peach crop experienced excellent weather conditions during bloom, resulting in a heavy set. Harvest of the crop began around mid-May.

The South Carolina peach crop is forecast at 180 million pounds, up 80 percent from last year and 20 percent above 2000. The peach crop looks very good. Periodic rains have given most areas near normal precipitation for the first time in four years. A late frost only hindered a few producers and its effect on production was negligible for the State.

Georgia's peach crop is forecast at 115 million pounds, down 18 percent from 2001 but unchanged from 2000. Peaches in the major production area of central Georgia escaped major damage from the freezing temperatures in late February. The area received only minor production losses while the freeze actually provided beneficial thinning of the crop. Peaches in south Georgia suffered severe losses from the February freeze.

**Bartlett Pears:** Production of Bartlett Pears in California, Oregon, and Washington is forecast at 505,000 tons, virtually unchanged from last year but 3 percent below 2000.

Production in California is forecast at 260,000 tons, up 10 percent from 2001 but 8 percent below two years ago. Fruit size and quality are good. In Oregon, growers expect to harvest 70,000 tons, unchanged from last

year but 17 percent above 2000. Cool wet weather and late frosts held the crop down to the previous year's level. Washington's Bartlett crop is forecast at 175,000 tons, down 12 percent from 2001 and 1 percent below two years ago. Lack of warm weather in Washington had growers wondering if spring would ever arrive. Freezing temperatures during the end of April and early May signaled one of the latest springs in recent history. However, rainfall and mountain snow pack are at near normal levels.

**Sweet Cherries:** The 2002 sweet cherry production for California, Oregon, and Washington is forecast at 199,000 tons, down 1 percent from 2001 but 11 percent above 2000. Washington's 2002 production is forecast at 95,000 tons, down 10 percent from last year. Washington's cherry crop experienced cool, windy weather during pollination. Frost was a problem in all areas of the State as cool temperatures persisted during late April and early May. The reduction in Washington's crop size will be partially offset by new acres coming into production. The California crop, at 65,000 tons, is up 18 percent from 2001. An increase in bearing acreage and good weather during bloom have resulted in an increase in the cherry crop. Hail storms during May did not have a major impact on sweet cherry production or quality in California. Sweet cherry production in Oregon is forecasted to be 39,000 tons, down 2 percent from 2001. In Oregon, production decreased due to late season frosts and poor pollinating weather which more than offset increased bearing acres.

**Prunes:** California's 2002 prune production is forecast at 155,000 tons, up 3 percent from 2001. The 2002 crop experienced favorable weather conditions during early bloom which offset the negative effects of warm and dry conditions during late bloom and frost damage in some areas of California.

**Apricots:** California's 2002 apricot production is forecast at 75,000 tons, down 3 percent from 2001. Growers in the southern part of the San Joaquin Valley have a light set due mostly to the low number of chilling hours experienced during the winter months. The Patterson variety, which accounts for over half of the State's production, is reported to have a normal set. Cool temperatures experienced during May have resulted in good sizes with excellent quality. Harvest began during the first week in May.

**Florida Citrus:** Most of May was very dry and warm with a few isolated showers and thunderstorms on both coasts. The interior and southern parts of the citrus belt were dry and badly in need of rain. As a result, growers and caretakers irrigated during the month with all types of equipment. Even a few groves on the coasts have been flood irrigated.

Most well cared for groves produced an abundance of new growth and the new crop fruit continues to make good progress. Trees have generally completed dropping the excess fruit they cannot carry for the next crop year.

Valencia harvest was very active through May. However, supplies were running low in all areas by the end of the month. Grapefruit movement was slow during May as many processors had stopped taking both white and colored fruit. There were a few packinghouses still running fresh grapefruit at the end of May. Temple and Honey tangerine harvests were both completed during May.

Caretakers have been mowing, chopping, and disking cover crops prior to harvest and for fire protection. Growers are pushing and burning dead trees, with resets planted in some of the larger groves. Hedging and topping continues in the harvested groves. Summer fertilizations and sprays were applied in all areas.

**California Citrus:** Navel orange picking neared completion by month's end. The valencia orange harvest remained active throughout May but was slowed in response to competition from the stone fruit harvests. Lemons were harvested in the coastal areas. Grapefruit was harvested in the Coachella Valley and the San Joaquin Valley.

**California Noncitrus Fruits and Nuts:** Cultural activities, such as herbicide and fungicide application, cultivation, and irrigation continued in orchards and vineyards. Cherries, nectarines, peaches, plums, and apricots were being picked and packed throughout most of May. Fruit thinning neared completion in late season stone fruit varieties by month's end. Grape vineyards developed lush growth throughout the month with flower clusters appearing ready to bloom by the end of May. Table grapes were harvested in the Coachella Valley. Strawberry harvest continued in many areas. Olive, avocado, and pomegranate bloom

neared completion by month's end. Almond, walnut, pistachio, and pecan orchards showed good crop development with irrigation in progress in some orchards.

**Grapefruit:** The June 1 forecast for the 2001-02 U.S. grapefruit crop is unchanged from May at 2.50 million tons. The forecast is 1 percent higher than last year's utilization. The Florida grapefruit forecast is 47.0 million boxes (2.00 million tons) and the components remain at 19.0 million boxes (808,000 tons) of white grapefruit and 28.0 million boxes (1.19 million tons) of colored grapefruit. The white crop is 2 percent higher than last season but is below the current 10-season average. The route survey showed over 95 percent harvested which is slightly ahead of last season but behind the two prior seasons. Florida's colored crop utilization is 3 percent ahead of last season and is very close to the average of the previous 10 seasons. The route survey showed 88 percent having been harvested. Arizona, California, and Texas grapefruit forecasts are carried forward from the April forecasts.

**K-Early Citrus:** The K-Early Citrus Fruit forecast, at 30,000 boxes (1,350 tons), is unchanged from May. This record low is 25 percent below the previous low of 40,000 boxes in 1997-98 and 2000-01.

**Tangerines:** The U.S. tangerine forecast for June 1 is 424,000 tons, unchanged from the May 1 forecast but 15 percent higher than last season's utilization of 369,000 tons. Florida's tangerine forecast is held at 6.60 million boxes (314,000 tons), 18 percent above last season and just 6 percent below the record high set in 1999-00. Arizona and California forecasts are carried forward from the April forecasts.

**Tangelos:** Florida's 2001-02 tangelo forecast remains 2.15 million boxes (97,000 tons). Although utilization is up 2 percent from last season, these last two seasons are the two smallest crops recorded since utilization peaked at 6.40 million boxes during the 1979-80 season.

**Temples:** Florida's 2001-02 Temple forecast remains at 1.55 million boxes (70,000 tons). This crop is 24 percent higher than the record low harvest of 2000-01 but below the 1998-99 and 1999-2000 crop year levels. Nearly 75 percent of the crop has been processed.

**Papayas:** Hawaii fresh papaya utilization is estimated at 3.16 million pounds for May 2002, 1 percent higher than last month but 30 percent lower than a year ago. Area in crop totaled 2,475 acres, virtually unchanged from last month but 12 percent less than a year ago. Harvested area totaled 1,940 acres, unchanged from last month but 4 percent less than May 2001.

Weather conditions in May were variable with light to moderate showers and sunshine over major papaya producing areas. Non-irrigated orchards have adequate soil moisture. Incidence of Papaya Ringspot Virus was low. However, more spraying was necessary to control fungal diseases. Papaya supplies were increasing but yields were below expectations due to fruit scarring and diseases.

**Hops:** Area strung for harvest in 2002 for Washington, Oregon, and Idaho is forecast at 29,282 acres, 18 percent less than the 2001 crop of 35,911 acres, and 19 percent less than the 2000 crop of 36,120 acres. Washington, with 20,320 acres for harvest, accounts for 69 percent of the U.S. total acreage, 6,019 acres less than a year ago. Oregon hop growers plan to harvest 5,577 acres, 19 percent of the U.S. total for 2002, with Idaho hop growers accounting for the remaining 12 percent, or 3,385 acres strung for harvest. Both Oregon and Idaho decreased their hop acreage over last year, 9 percent and 2 percent, respectively.

In Washington, crop progress in some hop yards has been reported mostly normal with vines one-half to two-thirds to the wire. However, cooler than normal spring temperatures have slowed vine growth in other yards. Unlike a year ago, when drought conditions prevailed, water supplies are more than sufficient this year. Long periods of cool temperatures and rain this season have been quite conducive to powdery mildew development. High winds have spread these mildew spores throughout Washington's hop growing region. Under these conditions, growers will need short spray intervals to control the powdery mildew. Oregon's growing season was underway at the usual time. Spring temperatures were cooler than normal but the crop is not expected to be adversely affected.

**Sugarbeets:** Production in 2001 is revised to 25.8 million tons, fractionally higher than the end of season estimate, but 21 percent below 2000. Area harvested totaled a revised 1.24 million acres, 100 acres lower

than the end of season estimate, and 9 percent below the previous year. The revised yield is 20.7 tons per acre, unchanged from the January end of season estimate, but 3.0 tons below the 2000 yield.

**Sugarcane:** Production of sugarcane for sugar and seed in 2001 is revised to 34.6 million tons, less than 1 percent below the March 1 estimate and down 4 percent from the previous year. Area harvested for sugar and seed totaled 1.03 million acres, fractionally below the previous estimate and 2000. The estimated yield for sugar and seed production is revised to 33.6 tons per acre, 0.1 ton below the March 1 estimate and 1.4 tons below the 2000 yield.

Production of sugarcane for sugar is revised to 32.8 million tons, slightly below the March 1 estimate and down 4 percent from 2000. Area harvested for sugar production totaled 970,300 acres, fractionally less than the previous estimate and 1 percent below 2000. Yield of sugarcane for sugar is 33.8 tons per acre, unchanged from March 1 but 1.3 tons below 2000.

**Sweet Potatoes:** The revised estimate of 2001 crop year sweet potato production is 14.6 million cwt, up 1 percent from the annual estimate made in January and 6 percent above a year earlier. Harvested acreage, at 93,500 acres, is unchanged from January but 1 percent below 2000. The average yield, at 156 cwt per acre, is 2 cwt above the January estimate and 11 cwt above the 2000 average yield.

The sweet potato crop estimate in California, at 2.30 million cwt, and the Louisiana crop, at 3.08 million cwt, are reduced 2 percent and 3 percent, respectively, from the January estimate. The Mississippi estimate, at 2.40 million cwt, is revised upward 7 percent; South Carolina, at 56,000 cwt, gained 40 percent; and Texas, at 380,000 cwt, is double the January Annual Crop Summary.

**Maple Syrup:** The 2002 U.S. maple syrup production totaled 1.36 million gallons, up 29 percent from last year's production of 1.05 million gallons. The number of taps is estimated at 6.58 million, up 1 percent from the 2001 total of 6.48 million, while the yield per tap is estimated to be 0.206 gallons, up from 0.162 gallons in 2001.

Vermont led all States in production with 495,000 gallons for 2002, an increase of 80 percent from last season. Maine was second with 230,000 gallons, up 15 percent from 2001. New York's production, at 228,000 gallons, increased 18 percent from 2001. Production increases in these three States are attributed to favorable weather early in the Spring which resulted in an earlier maple season and good sap flow. The lack of heavy snowcover made tapping trees and running tubing much easier this year.

Production increases from 2001 were also recognized in Wisconsin, New Hampshire, Michigan, and Massachusetts. These States also cited favorable weather conditions early in the Spring and during the tapping season allowing for good sap flow. However, Ohio, Pennsylvania, and Connecticut experienced lower production due to less favorable weather than the previous year.

Temperatures were generally favorable for good sap flow and syrup production in all States except Connecticut and Pennsylvania where warm weather at night didn't allow the sap in the tree to freeze. Overall, the 2002 season lasted an average of 52 days. This compares to 29 days in 2001 and 27 days in 2000. Season length ranged from 30 days in Ohio and Wisconsin to 75 days in Connecticut, Maine, New Hampshire, and Vermont.

Sugar content of the sap was lower than 2001 with approximately 45 gallons of sap was required to produce one gallon of syrup. This is in contrast with 41 gallons in 2001 but comparable to the 46 gallons in 2000. Slightly more of the higher demand light syrup was produced than 2001 but most was of medium color.

The revised 2001 average price per gallon was \$28.70, up \$1.10 from the 2000 price of \$27.60. The value of production, at \$30.1 million for 2001, was down 11 percent from 2000. The biggest price increases were realized in Maine, Massachusetts, and New Hampshire as production was down from 2000.

## Reliability of June 1 Crop Production Forecast

**Wheat Survey Procedures:** Objective yield and farm operator surveys were conducted between May 25 and June 6 to gather information on expected yield as of June 1. The Objective Yield survey was conducted in ten States that accounted for 69 percent of the 2001 winter wheat production. Farm operators were interviewed to update previously reported acreage data and seek permission to randomly locate two sample plots in selected winter wheat fields. The counts made within each sample plot depended upon the crop's maturity. Counts such as number of stalks, heads in late boot, and number of emerged heads were made to predict the number of heads that would be harvested. The counts are used with similar data from previous years to develop a projected biological yield. The average harvesting loss is subtracted to obtain a net yield. The plots are revisited each month until crop maturity when the heads are clipped, threshed, and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss.

The farm operator survey was conducted primarily by telephone with some use of mail and personal interviewers. Approximately 5,500 producers were interviewed during the survey period and asked questions about the probable yield on their operation. These growers will be surveyed throughout the growing season to provide indications of average yields as the season progresses.

**Wheat Estimating Procedures:** National and State level objective yield and grower reported data were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared to previous months and previous years. Each State Statistical Office submits their analysis of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the survey data and the State analyses to prepare the published June 1 forecasts.

**Orange Survey Procedures:** The orange objective yield survey for the June 1 forecast was conducted in Florida, which produces about 75 percent of the U.S. production. In July and August, the number of bearing trees and the number of fruit per tree were determined. In subsequent months, fruit size measurement and fruit droppage surveys are conducted to develop the current forecast of production. Arizona, California, and Texas conduct grower and packer surveys on a quarterly basis, in October, January, April, and July.

**Orange Estimating Procedures:** State level objective yield estimates for Florida oranges were reviewed for errors, reasonableness, and consistency with historical estimates. The Florida State Statistical Office submits its analyses of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the Florida survey data and their analyses to prepare the published June 1 forecast. Reports from growers and packers in Arizona, California, and Texas were also used for setting estimates. The June 1 orange production forecasts for these three States are carried forward from April.

**Revision Policy:** The June 1 production forecast will not be revised; instead, a new forecast will be made each month throughout the growing season. End-of-season wheat estimates are made after harvest. At the end of the wheat marketing season, a balance sheet is calculated using carryover stocks, production, exports, millings, feeding, and ending stocks. Revisions are then made if the balance sheet relationships or other administrative data warrant changes. End-of-season orange estimates will be published in September's Citrus Fruits Summary. The orange production estimates are based on all data available at the end of the marketing season, including information from marketing orders, shipments, and processor records. Allowances are made for recorded local utilization and home use.

**Reliability:** To assist users in evaluating the reliability of the June 1 production forecast, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the June 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of the squared percentage deviations for the latest 20-year period is computed. The square root of the average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years.

The "Root Mean Square Error" for the June 1 winter wheat production forecast is 5.0 percent. This means that chances are 2 out of 3 that the current winter wheat production will not be above or below the final estimate by more than 5.0 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference

will not exceed 8.7 percent. Differences between the June 1 winter wheat production forecast and the final estimate during the past 20 years have averaged 73 million bushels, ranging from 8 million to 242 million bushels. The June 1 forecast has been below the final estimate 9 times and above 11 times. This does not imply that the June 1 winter wheat forecast this year is likely to understate or overstate final production.

The "Root Mean Square Error" for the June 1 orange production forecast is 1.5 percent. This means that chances are 2 out of 3 that the current orange production forecast will not be above or below the final estimate by more than 1.5 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 2.6 percent. Differences between the June 1 orange forecast and the final estimates during the past 20 years have averaged 116,000 tons, ranging from 5,000 tons to 368,000 tons. The June 1 forecast for oranges has been below the final estimate 6 times and above 14 times. The difference does not imply that the June 1 forecast this year is likely to understate or overstate final production.

## Information Contacts

Listed below are the commodity specialists in the Crops Branch of the National Agricultural Statistics Service to contact for additional information.

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|--|----------------|
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