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## Orange Production Up Slightly from February Forecast

**The United States all orange** forecast for the 2018-2019 season is 5.56 million tons, up slightly from last month and up 42 percent from the 2017-2018 final utilization. The Florida all orange forecast, at 77.0 million boxes (3.47 million tons), is unchanged from last month but up 71 percent from last season's final utilization. Early, midseason, and Navel varieties in Florida are forecast at 31.0 million boxes (1.40 million tons), down 3 percent from last month but up 64 percent from last season's final utilization. The Florida Valencia orange forecast, at 46.0 million boxes (2.07 million tons), is up 2 percent from last month and up 77 percent from last season's final utilization.

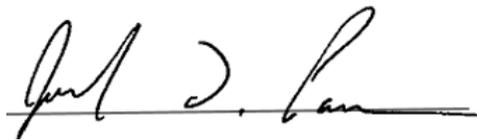
The California Valencia orange forecast is 9.50 million boxes (380,000 tons), up 6 percent from last month but unchanged from the previous season. This results in a California all orange forecast of 49.5 million boxes (1.98 million tons), up 1 percent from the previous forecast and up 9 percent from last season's final utilization. The forecast for Texas is carried forward from the previous forecast.

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This report was approved on March 8, 2019.



Secretary of Agriculture  
Designate  
Warren P. Preston



Agricultural Statistics Board  
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## Sugarcane Area Harvested, Yield, and Production by Use – States and United States: 2017 and 2018

| Use and State             | Area harvested        |                       | Yield per acre <sup>1</sup> |                | Production <sup>1</sup> |                      |
|---------------------------|-----------------------|-----------------------|-----------------------------|----------------|-------------------------|----------------------|
|                           | 2017<br>(1,000 acres) | 2018<br>(1,000 acres) | 2017<br>(tons)              | 2018<br>(tons) | 2017<br>(1,000 tons)    | 2018<br>(1,000 tons) |
| <b>For sugar</b>          |                       |                       |                             |                |                         |                      |
| Florida .....             | 397.0                 | 397.0                 | 40.9                        | 41.7           | 16,237                  | 16,555               |
| Louisiana .....           | 414.0                 | 425.0                 | 32.5                        | 35.3           | 13,455                  | 15,003               |
| Texas .....               | 40.5                  | 37.6                  | 36.8                        | 36.6           | 1,490                   | 1,376                |
| United States .....       | 851.5                 | 859.6                 | 36.6                        | 38.3           | 31,182                  | 32,934               |
| <b>For seed</b>           |                       |                       |                             |                |                         |                      |
| Florida .....             | 15.7                  | 15.3                  | 44.9                        | 45.8           | 705                     | 701                  |
| Louisiana .....           | 35.6                  | 23.5                  | 36.2                        | 36.5           | 1,289                   | 858                  |
| Texas .....               | 1.3                   | 1.3                   | 48.0                        | 37.9           | 62                      | 49                   |
| United States .....       | 52.6                  | 40.1                  | 39.1                        | 40.1           | 2,056                   | 1,608                |
| <b>For sugar and seed</b> |                       |                       |                             |                |                         |                      |
| Florida .....             | 412.7                 | 412.3                 | 41.1                        | 41.9           | 16,942                  | 17,256               |
| Louisiana .....           | 449.6                 | 448.5                 | 32.8                        | 35.4           | 14,744                  | 15,861               |
| Texas .....               | 41.8                  | 38.9                  | 37.1                        | 36.6           | 1,552                   | 1,425                |
| United States .....       | 904.1                 | 899.7                 | 36.8                        | 38.4           | 33,238                  | 34,542               |

<sup>1</sup> Net tons.

## Utilized Production of Citrus Fruits by Crop – States and United States: 2017-2018 and Forecasted March 1, 2019

[The crop year begins with the bloom of the first year shown and ends with the completion of harvest the following year]

| Crop and State                               | Utilized production boxes <sup>1</sup> |               | Utilized production ton equivalent |              |
|--|--|---------------|------------------------------------|--------------|
|  | 2017-2018                              | 2018-2019     | 2017-2018                          | 2018-2019    |
|  | (1,000 boxes)                          | (1,000 boxes) | (1,000 tons)                       | (1,000 tons) |
| <b>Oranges</b>                               |  |               |                                    |              |
| California, all .....                        | 45,400                                 | 49,500        | 1,816                              | 1,980        |
| Early, mid, and Navel <sup>2 3</sup> .....   | 35,900                                 | 40,000        | 1,436                              | 1,600        |
| Valencia .....                               | 9,500                                  | 9,500         | 380                                | 380          |
| Florida, all .....                           | 44,950                                 | 77,000        | 2,023                              | 3,465        |
| Early, mid, and Navel <sup>3</sup> .....     | 18,950                                 | 31,000        | 853                                | 1,395        |
| Valencia .....                               | 26,000                                 | 46,000        | 1,170                              | 2,070        |
| Texas, all <sup>2</sup> .....                | 1,880                                  | 2,600         | 80                                 | 111          |
| Early, mid, and Navel <sup>3</sup> .....     | 1,530                                  | 2,000         | 65                                 | 85           |
| Valencia .....                               | 350                                    | 600           | 15                                 | 26           |
| United States, all .....                     | 92,230                                 | 129,100       | 3,919                              | 5,556        |
| Early, mid, and Navel <sup>3</sup> .....     | 56,380                                 | 73,000        | 2,354                              | 3,080        |
| Valencia .....                               | 35,850                                 | 56,100        | 1,565                              | 2,476        |
| <b>Grapefruit</b>                            |  |               |                                    |              |
| California <sup>2</sup> .....                | 4,000                                  | 4,000         | 160                                | 160          |
| Florida, all .....                           | 3,880                                  | 5,400         | 165                                | 230          |
| Red .....                                    | 3,180                                  | 4,600         | 135                                | 196          |
| White .....                                  | 700                                    | 800           | 30                                 | 34           |
| Texas <sup>2</sup> .....                     | 4,800                                  | 6,300         | 192                                | 252          |
| United States .....                          | 12,680                                 | 15,700        | 517                                | 642          |
| <b>Tangerines and mandarins <sup>4</sup></b> |  |               |                                    |              |
| California <sup>2</sup> .....                | 19,200                                 | 23,000        | 768                                | 920          |
| Florida .....                                | 750                                    | 950           | 36                                 | 45           |
| United States .....                          | 19,950                                 | 23,950        | 804                                | 965          |
| <b>Lemons <sup>2</sup></b>                   |  |               |                                    |              |
| Arizona .....                                | 1,000                                  | 1,400         | 40                                 | 56           |
| California .....                             | 21,200                                 | 20,000        | 848                                | 800          |
| United States .....                          | 22,200                                 | 21,400        | 888                                | 856          |

<sup>1</sup> Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California-80, Florida-85, Texas-80; tangerines and mandarins in California-80, Florida-95; lemons-80.

<sup>2</sup> Estimates for current year carried forward from previous forecast.

<sup>3</sup> Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas.

<sup>4</sup> Includes tangelos and tangors.

## Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2018 and 2019

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2019 crop year. Blank data cells indicate estimation period has not yet begun]

| Crop                                    | Area planted  |               | Area harvested |               |
|---|---------------|---------------|----------------|---------------|
|   | 2018          | 2019          | 2018           | 2019          |
|   | (1,000 acres) | (1,000 acres) | (1,000 acres)  | (1,000 acres) |
| <b>Grains and hay</b>                   |               |               |                |               |
| Barley .....                            | 2,543         |               | 1,978          |               |
| Corn for grain <sup>1</sup> .....       | 89,129        |               | 81,740         |               |
| Corn for silage .....                   | (NA)          |               | 6,113          |               |
| Hay, all .....                          | (NA)          |               | 52,839         |               |
| Alfalfa .....                           | (NA)          |               | 16,608         |               |
| All other .....                         | (NA)          |               | 36,231         |               |
| Oats .....                              | 2,746         |               | 865            |               |
| Proso millet .....                      | 443           |               | 403            |               |
| Rice .....                              | 2,946         |               | 2,915          |               |
| Rye .....                               | 2,011         |               | 273            |               |
| Sorghum for grain <sup>1</sup> .....    | 5,690         |               | 5,061          |               |
| Sorghum for silage .....                | (NA)          |               | 264            |               |
| Wheat, all .....                        | 47,800        |               | 39,605         |               |
| Winter .....                            | 32,535        | 31,290        | 24,742         |               |
| Durum .....                             | 2,065         |               | 1,967          |               |
| Other spring .....                      | 13,200        |               | 12,896         |               |
| <b>Oilseeds</b>                         |               |               |                |               |
| Canola .....                            | 1,990.7       |               | 1,943.5        |               |
| Cottonseed .....                        | (X)           |               | (X)            |               |
| Flaxseed .....                          | 208           |               | 198            |               |
| Mustard seed .....                      | 102.5         |               | 97.5           |               |
| Peanuts .....                           | 1,425.5       |               | 1,368.5        |               |
| Rapeseed .....                          | 5.7           |               | 5.4            |               |
| Safflower .....                         | 167.5         |               | 156.4          |               |
| Soybeans for beans .....                | 89,196        |               | 88,110         |               |
| Sunflower .....                         | 1,301.0       |               | 1,222.5        |               |
| <b>Cotton, tobacco, and sugar crops</b> |               |               |                |               |
| Cotton, all .....                       | 14,099.0      |               | 10,530.5       |               |
| Upland .....                            | 13,850.0      |               | 10,283.0       |               |
| American Pima .....                     | 249.0         |               | 247.5          |               |
| Sugarbeets .....                        | 1,113.1       |               | 1,095.4        |               |
| Sugarcane .....                         | (NA)          |               | 899.7          |               |
| Tobacco .....                           | (NA)          |               | 291.4          |               |
| <b>Dry beans, peas, and lentils</b>     |               |               |                |               |
| Austrian winter peas .....              | 16.4          |               | 10.9           |               |
| Dry edible beans .....                  | 2,081.0       |               | 2,016.0        |               |
| Chickpeas, all .....                    | 859.6         |               | 842.8          |               |
| Large .....                             | 636.9         |               | 623.2          |               |
| Small .....                             | 222.7         |               | 219.6          |               |
| Dry edible peas .....                   | 856.5         |               | 807.9          |               |
| Lentils .....                           | 780.0         |               | 718.0          |               |
| Wrinkled seed peas .....                | (NA)          |               | (NA)           |               |
| <b>Potatoes and miscellaneous</b>       |               |               |                |               |
| Hops .....                              | (NA)          |               | 55.0           |               |
| Maple syrup .....                       | (NA)          |               | (NA)           |               |
| Mushrooms .....                         | (NA)          |               | (NA)           |               |
| Peppermint oil .....                    | (NA)          |               | 58.5           |               |
| Potatoes, all .....                     | 1,033.2       |               | 1,023.3        |               |
| Spring .....                            | 53.0          |               | 51.8           |               |
| Summer .....                            | 55.3          |               | 52.9           |               |
| Fall .....                              | 924.9         |               | 918.6          |               |
| Spearmint oil .....                     | (NA)          |               | 20.8           |               |
| Sweet potatoes .....                    | 150.2         |               | 144.4          |               |
| Taro (Hawaii) .....                     | (NA)          |               | 0.3            |               |

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States:  
2018 and 2019 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2019 crop year. Blank data cells indicate estimation period has not yet begun]

| Crop                                    | Yield per acre |       | Production      |                 |
|---|----------------|-------|-----------------|-----------------|
|   | 2018           | 2019  | 2018<br>(1,000) | 2019<br>(1,000) |
| <b>Grains and hay</b>                   |                |       |                 |                 |
| Barley .....                            | bushels        | 77.4  | 153,082         |                 |
| Corn for grain .....                    | bushels        | 176.4 | 14,420,101      |                 |
| Corn for silage .....                   | tons           | 19.9  | 121,361         |                 |
| Hay, all .....                          | tons           | 2.34  | 123,600         |                 |
| Alfalfa .....                           | tons           | 3.17  | 52,634          |                 |
| All other .....                         | tons           | 1.96  | 70,966          |                 |
| Oats .....                              | bushels        | 64.9  | 56,130          |                 |
| Proso millet .....                      | bushels        | 29.8  | 11,991          |                 |
| Rice <sup>2</sup> .....                 | cwt            | 7,692 | 224,211         |                 |
| Rye .....                               | bushels        | 30.9  | 8,432           |                 |
| Sorghum for grain .....                 | bushels        | 72.1  | 364,986         |                 |
| Sorghum for silage .....                | tons           | 12.6  | 3,326           |                 |
| Wheat, all .....                        | bushels        | 47.6  | 1,884,458       |                 |
| Winter .....                            | bushels        | 47.9  | 1,183,939       |                 |
| Durum .....                             | bushels        | 39.3  | 77,287          |                 |
| Other spring .....                      | bushels        | 48.3  | 623,232         |                 |
| <b>Oilseeds</b>                         |                |       |                 |                 |
| Canola .....                            | pounds         | 1,861 | 3,616,560       |                 |
| Cottonseed .....                        | tons           | (X)   | 5,794.0         |                 |
| Flaxseed .....                          | bushels        | 22.6  | 4,466           |                 |
| Mustard seed .....                      | pounds         | 750   | 73,078          |                 |
| Peanuts .....                           | pounds         | 3,991 | 5,461,600       |                 |
| Rapeseed .....                          | pounds         | 1,524 | 8,230           |                 |
| Safflower .....                         | pounds         | 1,511 | 236,380         |                 |
| Soybeans for beans .....                | bushels        | 51.6  | 4,543,883       |                 |
| Sunflower .....                         | pounds         | 1,731 | 2,116,410       |                 |
| <b>Cotton, tobacco, and sugar crops</b> |                |       |                 |                 |
| Cotton, all <sup>2</sup> .....          | bales          | 838   | 18,390.0        |                 |
| Upland <sup>2</sup> .....               | bales          | 821   | 17,596.0        |                 |
| American Pima <sup>2</sup> .....        | bales          | 1,540 | 794.0           |                 |
| Sugarbeets .....                        | tons           | 30.3  | 33,145          |                 |
| Sugarcane .....                         | tons           | 38.4  | 34,542          |                 |
| Tobacco .....                           | pounds         | 1,830 | 533,241         |                 |
| <b>Dry beans, peas, and lentils</b>     |                |       |                 |                 |
| Austrian winter peas <sup>2</sup> ..... | cwt            | 1,138 | 124             |                 |
| Dry edible beans <sup>2</sup> .....     | cwt            | 1,860 | 37,494          |                 |
| Chickpeas, all <sup>2</sup> .....       | cwt            | 1,512 | 12,742          |                 |
| Large <sup>2</sup> .....                | cwt            | 1,520 | 9,472           |                 |
| Small <sup>2</sup> .....                | cwt            | 1,489 | 3,270           |                 |
| Dry edible peas <sup>2</sup> .....      | cwt            | 1,972 | 15,929          |                 |
| Lentils <sup>2</sup> .....              | cwt            | 1,171 | 8,408           |                 |
| Wrinkled seed peas .....                | cwt            | (NA)  | 389             |                 |
| <b>Potatoes and miscellaneous</b>       |                |       |                 |                 |
| Hops .....                              | pounds         | 1,943 | 106,906.7       |                 |
| Maple syrup .....                       | gallons        | (NA)  | 4,159           |                 |
| Mushrooms .....                         | pounds         | (NA)  | 917,235         |                 |
| Peppermint oil .....                    | pounds         | 92    | 5,377           |                 |
| Potatoes, all .....                     | cwt            | 444   | 454,314         |                 |
| Spring .....                            | cwt            | 343   | 17,757          |                 |
| Summer .....                            | cwt            | 308   | 16,276          |                 |
| Fall .....                              | cwt            | 458   | 420,281         |                 |
| Spearmint oil .....                     | pounds         | 124   | 2,571           |                 |
| Sweet potatoes .....                    | cwt            | 190   | 27,378          |                 |
| Taro (Hawaii) .....                     | pounds         | 9,630 | 2,985           |                 |

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Area planted for all purposes.

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

## Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2018 and 2019

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2019 crop year. Blank data cells indicate estimation period has not yet begun]

| Crop                                    | Area planted |            | Area harvested |            |
|---|--------------|------------|----------------|------------|
|   | 2018         | 2019       | 2018           | 2019       |
|   | (hectares)   | (hectares) | (hectares)     | (hectares) |
| <b>Grains and hay</b>                   |              |            |                |            |
| Barley .....                            | 1,029,130    |            | 800,480        |            |
| Corn for grain <sup>1</sup> .....       | 36,069,620   |            | 33,079,360     |            |
| Corn for silage .....                   | (NA)         |            | 2,473,870      |            |
| Hay, all <sup>2</sup> .....             | (NA)         |            | 21,383,410     |            |
| Alfalfa .....                           | (NA)         |            | 6,721,090      |            |
| All other .....                         | (NA)         |            | 14,662,320     |            |
| Oats .....                              | 1,111,280    |            | 350,060        |            |
| Proso millet .....                      | 179,280      |            | 163,090        |            |
| Rice .....                              | 1,192,220    |            | 1,179,670      |            |
| Rye .....                               | 813,830      |            | 110,480        |            |
| Sorghum for grain <sup>1</sup> .....    | 2,302,690    |            | 2,048,140      |            |
| Sorghum for silage .....                | (NA)         |            | 106,840        |            |
| Wheat, all <sup>2</sup> .....           | 19,344,180   |            | 16,027,750     |            |
| Winter .....                            | 13,166,590   | 12,662,750 | 10,012,840     |            |
| Durum .....                             | 835,680      |            | 796,030        |            |
| Other spring .....                      | 5,341,910    |            | 5,218,880      |            |
| <b>Oilseeds</b>                         |              |            |                |            |
| Canola .....                            | 805,620      |            | 786,520        |            |
| Cottonseed .....                        | (X)          |            | (X)            |            |
| Flaxseed .....                          | 84,180       |            | 80,130         |            |
| Mustard seed .....                      | 41,480       |            | 39,460         |            |
| Peanuts .....                           | 576,890      |            | 553,820        |            |
| Rapeseed .....                          | 2,310        |            | 2,190          |            |
| Safflower .....                         | 67,790       |            | 63,290         |            |
| Soybeans for beans .....                | 36,096,730   |            | 35,657,240     |            |
| Sunflower .....                         | 526,500      |            | 494,730        |            |
| <b>Cotton, tobacco, and sugar crops</b> |              |            |                |            |
| Cotton, all <sup>2</sup> .....          | 5,705,720    |            | 4,261,590      |            |
| Upland .....                            | 5,604,960    |            | 4,161,430      |            |
| American Pima .....                     | 100,770      |            | 100,160        |            |
| Sugarbeets .....                        | 450,460      |            | 443,300        |            |
| Sugarcane .....                         | (NA)         |            | 364,100        |            |
| Tobacco .....                           | (NA)         |            | 117,940        |            |
| <b>Dry beans, peas, and lentils</b>     |              |            |                |            |
| Austrian winter peas .....              | 6,640        |            | 4,410          |            |
| Dry edible beans .....                  | 842,160      |            | 815,860        |            |
| Chickpeas <sup>2</sup> .....            | 347,870      |            | 341,070        |            |
| Large .....                             | 257,750      |            | 252,200        |            |
| Small .....                             | 90,120       |            | 88,870         |            |
| Dry edible peas .....                   | 346,620      |            | 326,950        |            |
| Lentils .....                           | 315,660      |            | 290,570        |            |
| Wrinkled seed peas .....                | (NA)         |            | (NA)           |            |
| <b>Potatoes and miscellaneous</b>       |              |            |                |            |
| Hops .....                              | (NA)         |            | 22,270         |            |
| Maple syrup .....                       | (NA)         |            | (NA)           |            |
| Mushrooms .....                         | (NA)         |            | (NA)           |            |
| Peppermint oil .....                    | (NA)         |            | 23,670         |            |
| Potatoes, all <sup>2</sup> .....        | 418,130      |            | 414,120        |            |
| Spring .....                            | 21,450       |            | 20,960         |            |
| Summer .....                            | 22,380       |            | 21,410         |            |
| Fall .....                              | 374,300      |            | 371,750        |            |
| Spearmint oil .....                     | (NA)         |            | 8,420          |            |
| Sweet potatoes .....                    | 60,780       |            | 58,440         |            |
| Taro (Hawaii) .....                     | (NA)         |            | 130            |            |

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States:  
2018 and 2019 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2019 crop year. Blank data cells indicate estimation period has not yet begun]

| Crop                                    | Yield per hectare |               | Production    |               |
|---|-------------------|---------------|---------------|---------------|
|   | 2018              | 2019          | 2018          | 2019          |
|   | (metric tons)     | (metric tons) | (metric tons) | (metric tons) |
| <b>Grains and hay</b>                   |                   |               |               |               |
| Barley .....                            | 4.16              |               | 3,332,970     |               |
| Corn for grain .....                    | 11.07             |               | 366,287,440   |               |
| Corn for silage .....                   | 44.50             |               | 110,096,850   |               |
| Hay, all <sup>2</sup> .....             | 5.24              |               | 112,128,030   |               |
| Alfalfa .....                           | 7.10              |               | 47,748,760    |               |
| All other .....                         | 4.39              |               | 64,379,270    |               |
| Oats .....                              | 2.33              |               | 814,720       |               |
| Proso millet .....                      | 1.67              |               | 271,950       |               |
| Rice .....                              | 8.62              |               | 10,170,040    |               |
| Rye .....                               | 1.94              |               | 214,180       |               |
| Sorghum for grain .....                 | 4.53              |               | 9,271,070     |               |
| Sorghum for silage .....                | 28.24             |               | 3,017,300     |               |
| Wheat, all <sup>2</sup> .....           | 3.20              |               | 51,286,540    |               |
| Winter .....                            | 3.22              |               | 32,221,540    |               |
| Durum .....                             | 2.64              |               | 2,103,410     |               |
| Other spring .....                      | 3.25              |               | 16,961,600    |               |
| <b>Oilseeds</b>                         |                   |               |               |               |
| Canola .....                            | 2.09              |               | 1,640,440     |               |
| Cottonseed .....                        | (X)               |               | 5,256,230     |               |
| Flaxseed .....                          | 1.42              |               | 113,440       |               |
| Mustard seed .....                      | 0.84              |               | 33,150        |               |
| Peanuts .....                           | 4.47              |               | 2,477,340     |               |
| Rapeseed .....                          | 1.71              |               | 3,730         |               |
| Safflower .....                         | 1.69              |               | 107,220       |               |
| Soybeans for beans .....                | 3.47              |               | 123,664,230   |               |
| Sunflower .....                         | 1.94              |               | 959,990       |               |
| <b>Cotton, tobacco, and sugar crops</b> |                   |               |               |               |
| Cotton, all <sup>2</sup> .....          | 0.94              |               | 4,003,950     |               |
| Upland .....                            | 0.92              |               | 3,831,080     |               |
| American Pima .....                     | 1.73              |               | 172,870       |               |
| Sugarbeets .....                        | 67.83             |               | 30,068,640    |               |
| Sugarcane .....                         | 86.06             |               | 31,335,980    |               |
| Tobacco .....                           | 2.05              |               | 241,870       |               |
| <b>Dry beans, peas, and lentils</b>     |                   |               |               |               |
| Austrian winter peas .....              | 1.28              |               | 5,620         |               |
| Dry edible beans .....                  | 2.08              |               | 1,700,700     |               |
| Chickpeas, all <sup>2</sup> .....       | 1.69              |               | 577,970       |               |
| Large .....                             | 1.70              |               | 429,640       |               |
| Small .....                             | 1.67              |               | 148,320       |               |
| Dry edible peas .....                   | 2.21              |               | 722,530       |               |
| Lentils .....                           | 1.31              |               | 381,380       |               |
| Wrinkled seed peas .....                | (NA)              |               | 17,640        |               |
| <b>Potatoes and miscellaneous</b>       |                   |               |               |               |
| Hops .....                              | 2.18              |               | 48,490        |               |
| Maple syrup .....                       | (NA)              |               | 20,800        |               |
| Mushrooms .....                         | (NA)              |               | 416,050       |               |
| Peppermint oil .....                    | 0.10              |               | 2,440         |               |
| Potatoes, all <sup>2</sup> .....        | 49.76             |               | 20,607,340    |               |
| Spring .....                            | 38.42             |               | 805,440       |               |
| Summer .....                            | 34.49             |               | 738,270       |               |
| Fall .....                              | 51.28             |               | 19,063,630    |               |
| Spearmint oil .....                     | 0.14              |               | 1,170         |               |
| Sweet potatoes .....                    | 21.25             |               | 1,241,850     |               |
| Taro (Hawaii) .....                     | 10.80             |               | 1,350         |               |

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Area planted for all purposes.

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

## Fruits and Nuts Production in Domestic Units – United States: 2018 and 2019

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2019 crop year, except citrus which is for the 2018-2019 season. Blank data cells indicate estimation period has not yet begun]

| Crop   | Production |       |
|--|------------|-------|
|  | 2018       | 2019  |
| <b>Citrus <sup>1</sup></b>                       |            |       |
| Grapefruit ..... 1,000 tons                      | 517        | 642   |
| Lemons ..... 1,000 tons                          | 888        | 856   |
| Oranges ..... 1,000 tons                         | 3,919      | 5,556 |
| Tangerines and mandarins ..... 1,000 tons        | 804        | 965   |
| <b>Noncitrus</b>                                 |            |       |
| Apples, commercial ..... million pounds          | 11,452.2   |       |
| Apricots ..... tons                              | 39,800     |       |
| Avocados ..... tons                              |            |       |
| Bananas (Hawaii) ..... 1,000 pounds              |            |       |
| Blackberries (Oregon) ..... 1,000 pounds         |            |       |
| Blueberries, Cultivated ..... 1,000 pounds       |            |       |
| Blueberries, Wild (Maine) ..... 1,000 pounds     |            |       |
| Boysenberries (Oregon) ..... 1,000 pounds        |            |       |
| Cherries, Sweet ..... tons                       | 319,900    |       |
| Cherries, Tart ..... million pounds              | 352.7      |       |
| Coffee (Hawaii) ..... 1,000 pounds               |            |       |
| Cranberries ..... barrel                         | 8,634,000  |       |
| Dates ..... tons                                 |            |       |
| Figs (California) ..... tons                     |            |       |
| Grapes ..... tons                                | 7,659,000  |       |
| Kiwifruit (California) ..... tons                |            |       |
| Nectarines ..... tons                            |            |       |
| Olives (California) ..... tons                   |            |       |
| Papayas (Hawaii) ..... 1,000 pounds              |            |       |
| Peaches ..... tons                               | 732,050    |       |
| Pears ..... tons                                 | 739,200    |       |
| Plums (California) ..... tons                    |            |       |
| Prunes (California) ..... tons                   | 80,000     |       |
| Raspberries, all ..... 1,000 pounds              |            |       |
| Strawberries ..... 1,000 cwt                     | 31,764.9   |       |
| <b>Nuts and miscellaneous</b>                    |            |       |
| Almonds, shelled (California) ..... 1,000 pounds | 2,450,000  |       |
| Hazelnuts, in-shell (Oregon) ..... tons          | 52,000     |       |
| Macadamias (Hawaii) ..... 1,000 pounds           |            |       |
| Pecans, in-shell ..... 1,000 pounds              | 278,900    |       |
| Pistachios (California) ..... 1,000 pounds       |            |       |
| Walnuts, in-shell (California) ..... tons        | 690,000    |       |

<sup>1</sup> Production years are 2017-2018 and 2018-2019.

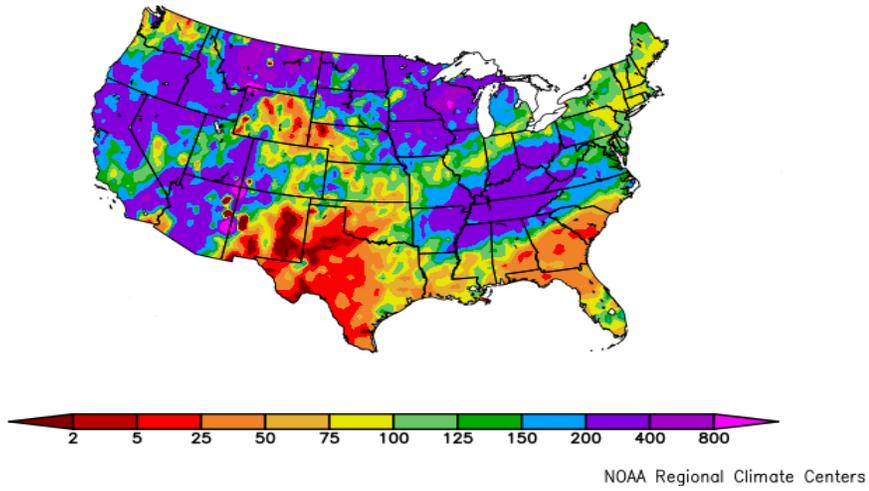
## Fruits and Nuts Production in Metric Units – United States: 2018 and 2019

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2018 crop year, except citrus which is for the 2018-2019 season. Blank data cells indicate estimation period has not yet begun]

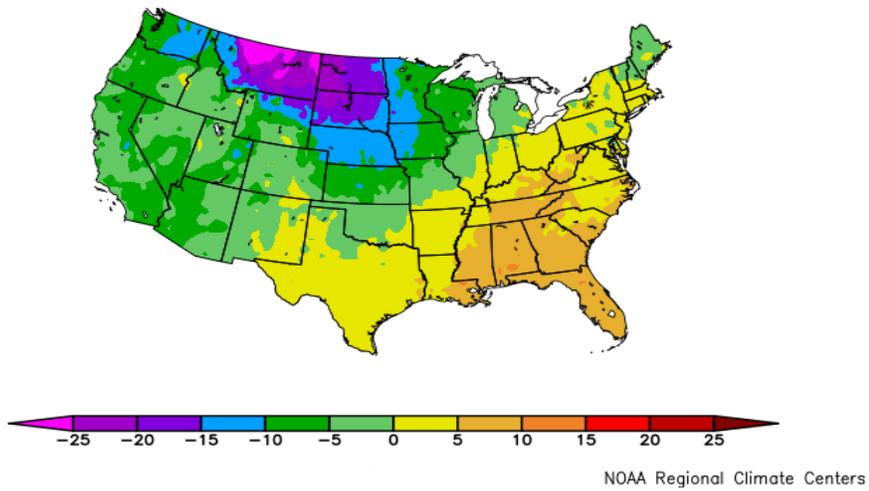
| Crop                                 | Production            |                       |
|--------------------------------------|-----------------------|-----------------------|
|                                      | 2018<br>(metric tons) | 2019<br>(metric tons) |
| <b>Citrus<sup>1</sup></b>            |                       |                       |
| Grapefruit .....                     | 469,010               | 582,410               |
| Lemons .....                         | 805,580               | 776,550               |
| Oranges .....                        | 3,555,260             | 5,040,320             |
| Tangerines and mandarins .....       | 729,380               | 875,430               |
| <b>Noncitrus</b>                     |                       |                       |
| Apples, commercial .....             | 5,194,630             |                       |
| Apricots .....                       | 36,110                |                       |
| Avocados .....                       |                       |                       |
| Bananas (Hawaii) .....               |                       |                       |
| Blackberries (Oregon) .....          |                       |                       |
| Blueberries, Cultivated .....        |                       |                       |
| Blueberries, Wild (Maine) .....      |                       |                       |
| Boysenberries (Oregon) .....         |                       |                       |
| Cherries, Sweet .....                | 290,210               |                       |
| Cherries, Tart .....                 | 159,980               |                       |
| Coffee (Hawaii) .....                |                       |                       |
| Cranberries .....                    | 391,630               |                       |
| Dates .....                          |                       |                       |
| Figs (California) .....              |                       |                       |
| Grapes .....                         | 6,948,130             |                       |
| Kiwifruit (California) .....         |                       |                       |
| Nectarines .....                     |                       |                       |
| Olives (California) .....            |                       |                       |
| Papayas (Hawaii) .....               |                       |                       |
| Peaches .....                        | 664,100               |                       |
| Pears .....                          | 670,590               |                       |
| Plums (California) .....             |                       |                       |
| Prunes (California) .....            | 72,570                |                       |
| Raspberries, all .....               |                       |                       |
| Strawberries .....                   | 1,440,830             |                       |
| <b>Nuts and miscellaneous</b>        |                       |                       |
| Almonds, shelled (California) .....  | 1,111,300             |                       |
| Hazelnuts, in-shell (Oregon) .....   | 47,170                |                       |
| Macadamias (Hawaii) .....            |                       |                       |
| Pecans, in-shell .....               | 126,510               |                       |
| Pistachios (California) .....        |                       |                       |
| Walnuts, in-shell (California) ..... | 625,960               |                       |

<sup>1</sup> Production years are 2017-2018 and 2018-2019.

Percent of Normal Precipitation (%)  
2/1/2019 – 2/28/2019



Departure from Normal Temperature (F)  
2/1/2019 – 2/28/2019



## February Weather Summary

Stormy February weather dominated the country, bolstering Western snowpack; burying the Northern Plains and Upper Midwest under heavy snow; and triggering flooding in parts of California, as well as the mid-South and lower Midwest. Storms largely bypassed only a few areas, including the lower Southeast and southernmost sections of the Rockies and Plains.

By the end of February, average to much-above-average snowpack dominated the Western mountains, except in a few areas near the Canadian and Mexican borders. According to the California Department of Water Resources, the Sierra Nevada snowpack gained an average of 20 inches of water equivalency during the month to reach 37 inches for the season—more than 150 percent of the February 28 average.

In contrast, developing drought on the southern High Plains stressed some rangeland, pastures, and winter grains. By March 3, nearly one-quarter (24 percent) of Texas' winter wheat was rated in very poor to poor condition, while statewide topsoil moisture was categorized as being 42 percent very short to short. Farther east, unseasonable Southeastern warmth accelerated crop development and spurred early-season planting activities. As a result, some Southeastern crops, including blooming fruit trees, were vulnerable to potential spring freezes.

Monthly temperatures averaged more than 10°F above normal in parts of the lower Southeast, but generally ranged from 10 to 30°F below normal across the Northern Plains. Frigid, snowy conditions also gripped the Central Plains and the upper Midwest. Very cold air bled across the Northern Rockies into the Northwest, combining with wind and snow to adversely affect some cattle and dairy operations. Winter agricultural regions in California and the Desert Southwest experienced chronically cool weather but avoided major freezes.

Elsewhere, several rounds of heavy rain triggered widespread lowland flooding, starting in the Ohio Valley and later shifting into the Tennessee Valley and environs. At the same time, a barrage of winter storms struck the north-central United States, periodically resulting in blizzard conditions and hampering rural travel. By the end of February, floodwaters continued to drain from creeks and streams into the lower Mississippi Valley, while many February and all-time monthly snowfall records were broken across the Northern Plains and Upper Midwest.

## February Agricultural Summary

The month of February was wetter than normal due to excessive rain and snowfall across much of the Nation. The heaviest precipitation fell during the month over California, Southwest Oregon, and the Mississippi Valley. During the last full week of the month, the Mississippi Valley received more than 8 inches of rain in some areas. Oregon's drought conditions slightly improved during the month from extremely dry to severely dry due to precipitation. In contrast, extreme drought conditions persisted in the Southwest.

February started off cooler than normal for many of the Western States, with parts of the Rockies 20°F or more below normal during the first week. Temperatures remained below average for much of the Northern Plains throughout the month. Temperatures in the Eastern States started off warmer than normal before cooling down later in the month. During the last full week of February, the temperature in the Southeast and Southern Appalachia were 5°F or more above normal.

## Crop Comments

**Sugarcane:** Production of sugarcane for sugar and seed in 2018 was estimated at 34.5 million tons, up 4 percent from last year. Producers harvested 899,700 acres for sugar and seed during the 2018 crop year, down slightly from last year. Yield for sugar and seed was estimated at 38.4 tons per acre, up 1.6 tons from 2017.

**Grapefruit:** The United States 2018-2019 grapefruit crop is forecast at 642,000 tons, down 4 percent from last month but up 24 percent from last season's final utilization. In Florida, expected production, at 5.40 million boxes (230,000 tons), is down 10 percent from last month but up 39 percent from last year. California and Texas grapefruit production forecasts were carried forward from the previous forecast.

**Tangerines and mandarins:** The United States tangerine and mandarin crop is forecast at 965,000 tons, down slightly from last month but up 20 percent from last season's final utilization. The Florida forecast, at 950,000 boxes (45,000 tons), is down 5 percent from last month but up 27 percent from the previous year. The California tangerine and mandarin forecast was carried forward from the previous forecast.

**Florida citrus:** In the citrus growing region, reported temperatures were slightly warmer than normal for this time of the year. Maximum highs were generally in the mid-70s to low 80s. Monthly precipitation totals were between just over an inch in Dade City (Pasco County) to 3.58 inches in Ona (Hardee County). Most stations in the citrus region received between one and three inches of rain during the month. According to the February 28, 2019 United States Drought Monitor, moisture conditions were favorable in the citrus growing region. Only the Indian River District was showing abnormally dry conditions; the remaining citrus growing region was drought free.

By the end of the month, non-Valencia orange harvest was relatively complete. Most processing plants were setting up for a short break between the non-Valencia and Valencia crops. Early in the month, tangerine harvest included several of the newer varieties, most notably Orri, Tango, Autumn Honey, Juicy Crunch, W. Murcott, and Roe. By the end of the month, tangerine harvest was transitioning to the Honey (Murcott tangerines) and Royal varieties. Minneola tangelos were showing up at the packinghouses most of the month. Fresh early and midseason oranges were finishing up for the season. Pickers were moving into the later Valencia orange crop. About a quarter of the harvested white grapefruit and a third of the red harvested grapefruit was marketed as fresh.

Grove caretakers were busy with spray programs, fertilizing, applying herbicide, and taking care of young trees. Also observed was disking grove middles, hedging, and topping. Even with favorable rain, owners were irrigating regularly. By the end of the month, most trees were in full bloom across the State. A limited number of trees began forming fruit for next season's crop.

**California citrus:** Rains during February slowed the harvesting of citrus. Citrus packinghouses continued to pack Navel, Cara Cara, and Blood oranges, lemons, Mandarins, and Minneola tangelos. Citrus growers continued to prune and skirt groves, with pruned brush being shredded. New citrus trees were being planted to replace old groves.

**California noncitrus fruits and nuts:** Pruning and shredding continued in tree fruit and nut orchards. Pre-bloom sprays were applied to some stone fruit orchards. Pruning, tying, berm sanitation, and brush shredding were starting up again as vineyards and orchards dried from seasonal rains. Beehives continued to arrive in several counties to be placed in almond orchards. Throughout the month, nut packinghouses continued to pack shelled and in-shell walnuts, shelled pecans, and pistachios for domestic and foreign markets.

## Statistical Methodology

**Survey procedures:** The orange objective yield survey for the March 1 forecast was conducted in Florida. In August and September last year, the number of bearing trees and the number of fruit per tree was determined. In August and subsequent months, fruit size measurement and fruit droppage surveys are conducted, which are combined with the previous components to develop the current forecast of production. California and Texas conduct grower surveys on a quarterly basis in October, January, April, and July. California also conducts objective measurement surveys in September for Navel oranges and in March for Valencia oranges.

**Estimating procedures:** State level objective yield estimates for Florida oranges were reviewed for errors, reasonableness, and consistency with historical estimates. The Florida Field Office submits its analysis of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the Florida survey data and their analyses to prepare the published March 1 forecast. Reports from growers in California and Texas were also used for setting estimates. These three States submit their analyses of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the survey data and the State analyses to prepare the published March 1 forecast.

**Revision policy:** The March 1 production forecasts will not be revised. A new forecast will be made each month throughout the growing season. End-of-season estimates will be published in the *Citrus Fruits Summary* released in August. The 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 March 1 production forecasts, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the March 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of 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 March 1 orange production forecast is 4.0 percent. However, if the three abnormal production seasons (one freeze season and three hurricane seasons) are excluded, the "Root Mean Square Error" is 4.3 percent. This means that chances are 2 out of 3 that the current orange production forecast will not be above or below the final estimates by more than 4.0 percent, or 4.3 percent excluding abnormal seasons. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 6.9 percent, or 7.5 percent excluding abnormal seasons.

Changes between the March 1 orange forecast and the final estimates during the past 20 years have averaged 205,000 tons (224,000 tons, excluding abnormal seasons), ranging from 18 tons to 733,000 tons regardless of exclusions. The March 1 forecast for oranges has been below the final estimate 10 times and above 10 times (below 8 times and above 8 times, excluding abnormal seasons). The difference does not imply that the March 1 forecasts this year are likely to understate or overstate final production.

## USDA, National Agricultural Statistics Service Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov)

|   |                |
|---|----------------|
| Lance Honig, Chief, Crops Branch .....  | (202) 720-2127 |
| Travis Thorson, Head, Field Crops Section .....   | (202) 720-2127 |
| David Colwell – Current Agricultural Industrial Reports .....   | (202) 720-3338 |
| Chris Hawthorn – Corn, Flaxseed, Proso Millet .....   | (202) 720-9526 |
| James Johanson – County Estimates, Hay .....  | (202) 690-8533 |
| Jeff Lemmons – Oats, Soybeans .....   | (202) 690-3234 |
| Sammy Neal – Peanuts, Rice .....  | (202) 720-7688 |
| Jannety Mosley – Crop Weather, Barley.....  | (202) 720-7621 |
| Jean Porter – Rye, Wheat .....  | (202) 720-8068 |
| Chris Singh – Cotton, Cotton Ginnings, Sorghum.....   | (202) 720-5944 |
| Travis Thorson – Sunflower, Other Oilseeds .....  | (202) 720-7369 |
| Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....  | (202) 720-2127 |
| Vincent Davis – Apricots, Bananas, Cherries, Garlic, Lettuce, Mint, Papaya,<br>Pears, Strawberries, Tomatoes.....   | (202) 720-2157 |
| Fleming Gibson – Avocados, Cauliflower, Celery, Citrus, Coffee, Dates,<br>Figs, Kiwifruit, Nectarines, Olives, Green Peas, Taro, Watermelons .....                          | (202) 720-5412 |
| Greg Lemmons – Blackberries, Blueberries, Boysenberries, Cranberries,<br>Cucumbers, Potatoes, Pumpkins, Raspberries, Squash, Sugarbeets,<br>Sugarcane, Sweet Potatoes ..... | (202) 720-4285 |
| Dan Norris – Artichokes, Austrian Winter Peas, Cantaloupes, Dry Beans,<br>Dry Edible Peas, Honeydews, Lentils, Mushrooms, Peaches, Snap Beans .....                         | (202) 720-3250 |
| Daphne Schaubert – Bell Peppers, Broccoli, Cabbage, Chile Peppers,<br>Floriculture, Grapes, Hops, Maple Syrup, Tree Nuts, Spinach .....                                     | (202) 720-4215 |
| Joshua Bates – Apples, Asparagus, Carrots, Lima Beans, Onions,<br>Plums, Prunes, Sweet Corn, Tobacco .....  | (202) 720-4288 |

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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**USDA NASS Data Users' Meeting**  
**Tuesday, April 23, 2019**

University of Chicago – Gleacher Center  
450 North Cityfront Plaza Drive  
Chicago, IL 60611  
312-464-8787

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2019 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website ([https://www.nass.usda.gov/Education\\_and\\_Outreach/Meeting/index.php](https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php)). Contact Vernita Murray (NASS) at 202-690-8141 or [vernita.murray@nass.usda.gov](mailto:vernita.murray@nass.usda.gov) or Patricia Snipe (NASS) at 202-720-2248 or [patricia.snipe@nass.usda.gov](mailto:patricia.snipe@nass.usda.gov) for information.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 24, 2019. The outlook meeting brings together analysts from various commodity sectors to discuss developments and trends. For registration details or additional information about the Industry Outlook Conference, see the conference page on the LMIC website (<http://lmic.info/page/meetings>). Or contact Laura Lahr at 303-716-9935 or [laura.lahr@lmic.info](mailto:laura.lahr@lmic.info).