All Citrus Value Down 19 Percent, Production Down 5 Percent

The $729 million preliminary on-tree value of the 2019-2020 citrus crop is 19 percent less than the $902 million revised value for 2018-2019.

Florida’s all citrus production in 2019-2020 is 73.2 million boxes, down 5 percent from the previous season’s 77.4 million boxes. All orange production decreased by 6 percent to 67.3 million boxes. Non-Valencia production at 29.7 million boxes is down 2 percent from the 2018-2019 season. Valencia orange production at 37.7 million boxes is down 9 percent. All grapefruit production increased 8 percent to 4.85 million boxes. Tangerine and tangelo production in 2019-2020 is up 3 percent from the previous season.


<table>
<thead>
<tr>
<th>Variety</th>
<th>Production (1,000 boxes)</th>
<th>Crop utilization</th>
<th>On-tree (1,000 dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fresh use (1,000 boxes)</td>
<td>Processing (1,000 boxes)</td>
<td>Price per box (dollars)</td>
</tr>
<tr>
<td>Non-Valencia Oranges</td>
<td>30,400</td>
<td>1,504</td>
<td>28,896</td>
</tr>
<tr>
<td>2019-2020</td>
<td>29,650</td>
<td>1,510</td>
<td>28,140</td>
</tr>
<tr>
<td>Valencia Oranges</td>
<td>41,450</td>
<td>1,232</td>
<td>40,218</td>
</tr>
<tr>
<td>2018-2019</td>
<td>37,650</td>
<td>1,728</td>
<td>35,922</td>
</tr>
<tr>
<td>All Oranges</td>
<td>71,850</td>
<td>2,736</td>
<td>69,114</td>
</tr>
<tr>
<td>2019-2020</td>
<td>67,300</td>
<td>3,238</td>
<td>64,062</td>
</tr>
<tr>
<td>Red Grapefruit</td>
<td>3,740</td>
<td>1,700</td>
<td>2,040</td>
</tr>
<tr>
<td>2019-2020</td>
<td>4,060</td>
<td>1,942</td>
<td>2,118</td>
</tr>
<tr>
<td>White Grapefruit</td>
<td>770</td>
<td>221</td>
<td>549</td>
</tr>
<tr>
<td>2019-2020</td>
<td>790</td>
<td>195</td>
<td>595</td>
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<tr>
<td>All Grapefruit</td>
<td>4,510</td>
<td>1,921</td>
<td>2,589</td>
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<tr>
<td>2019-2020</td>
<td>4,850</td>
<td>2,137</td>
<td>2,713</td>
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<tr>
<td>Tangelos</td>
<td>165</td>
<td>76</td>
<td>89</td>
</tr>
<tr>
<td>2019-2020</td>
<td>160</td>
<td>77</td>
<td>83</td>
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<tr>
<td>Early Tangerines ¹</td>
<td>190</td>
<td>136</td>
<td>54</td>
</tr>
<tr>
<td>2019-2020</td>
<td>190</td>
<td>144</td>
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<tr>
<td>Royal Tangerines</td>
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<tr>
<td>2019-2020</td>
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<td>22</td>
<td>88</td>
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<tr>
<td>Honey Tangerines</td>
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<tr>
<td>2019-2020</td>
<td>115</td>
<td>79</td>
<td>36</td>
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<tr>
<td>Other Tangerines ²</td>
<td>320</td>
<td>186</td>
<td>134</td>
</tr>
<tr>
<td>2019-2020</td>
<td>445</td>
<td>316</td>
<td>129</td>
</tr>
<tr>
<td>All Tangerines and Tangelos ³</td>
<td>990</td>
<td>543</td>
<td>447</td>
</tr>
<tr>
<td>2019-2020</td>
<td>1,020</td>
<td>638</td>
<td>382</td>
</tr>
<tr>
<td>All Citrus</td>
<td>77,350</td>
<td>(X)</td>
<td>(X)</td>
</tr>
<tr>
<td>2019-2020</td>
<td>73,170</td>
<td>(X)</td>
<td>(X)</td>
</tr>
</tbody>
</table>

¹ Fallglo, Early Pride and Sunburst varieties.
² Includes Autumn Honey, Juicy Crunch, Orri, Robinson, Roe, Tango and other minor tangerine varieties.
³ Includes all certified tangerines and tangelos.

USDA is an equal opportunity provider and employer.
Citrus Production by County and Production Area, by Type – Florida: 2019-2020

<table>
<thead>
<tr>
<th>County</th>
<th>All citrus</th>
<th>Oranges</th>
<th>Grapefruit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
</tr>
<tr>
<td>Brevard</td>
<td>61</td>
<td>43</td>
<td>12</td>
</tr>
<tr>
<td>Charlotte</td>
<td>2,253</td>
<td>763</td>
<td>1,275</td>
</tr>
<tr>
<td>Collier</td>
<td>4,790</td>
<td>1,942</td>
<td>2,654</td>
</tr>
<tr>
<td>DeSoto</td>
<td>11,463</td>
<td>4,851</td>
<td>6,522</td>
</tr>
<tr>
<td>Glades</td>
<td>889</td>
<td>483</td>
<td>398</td>
</tr>
<tr>
<td>Hardee</td>
<td>7,605</td>
<td>4,966</td>
<td>2,554</td>
</tr>
<tr>
<td>Hendry</td>
<td>9,834</td>
<td>3,568</td>
<td>6,040</td>
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<tr>
<td>Hernando</td>
<td>22</td>
<td>21</td>
<td>1</td>
</tr>
<tr>
<td>Highlands</td>
<td>10,333</td>
<td>3,224</td>
<td>7,009</td>
</tr>
<tr>
<td>Hillsborough</td>
<td>287</td>
<td>169</td>
<td>117</td>
</tr>
<tr>
<td>Indian River</td>
<td>3,254</td>
<td>692</td>
<td>582</td>
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<tr>
<td>Lake</td>
<td>837</td>
<td>473</td>
<td>251</td>
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<tr>
<td>Lee</td>
<td>1,063</td>
<td>284</td>
<td>701</td>
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<tr>
<td>Manatee</td>
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<td>1,152</td>
<td>1,010</td>
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<tr>
<td>Marion</td>
<td>90</td>
<td>64</td>
<td>16</td>
</tr>
<tr>
<td>Martin</td>
<td>281</td>
<td>43</td>
<td>238</td>
</tr>
<tr>
<td>Okeechobee</td>
<td>439</td>
<td>162</td>
<td>174</td>
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<tr>
<td>Orange</td>
<td>140</td>
<td>94</td>
<td>39</td>
</tr>
<tr>
<td>Osceola</td>
<td>1,193</td>
<td>671</td>
<td>486</td>
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<tr>
<td>Pasco</td>
<td>123</td>
<td>102</td>
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<tr>
<td>Polk</td>
<td>11,665</td>
<td>5,467</td>
<td>5,912</td>
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<tr>
<td>St. Lucie</td>
<td>4,123</td>
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<td>1,562</td>
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<td>49</td>
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</tr>
<tr>
<td>Seminole</td>
<td>22</td>
<td>17</td>
<td>2</td>
</tr>
<tr>
<td>Volusia</td>
<td>52</td>
<td>40</td>
<td>11</td>
</tr>
<tr>
<td>Other</td>
<td>14</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>73,170</strong></td>
<td><strong>29,650</strong></td>
<td><strong>37,650</strong></td>
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<tr>
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<td>21,692</td>
<td>11,187</td>
<td>10,279</td>
</tr>
<tr>
<td>Southern</td>
<td>20,004</td>
<td>7,524</td>
<td>11,640</td>
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</table>

*See footnote(s) at end of table.*

The top 5 citrus producing counties were Polk (11.7 million boxes), DeSoto (11.5 million boxes), Highlands (10.3 million boxes), Hendry (9.83 million boxes) and Hardee (7.60 million boxes). Together they account for 70 percent of the state’s total citrus production. The Central area had the most citrus, followed by the Western and Southern areas. Oranges constituted 92 percent of the citrus production, grapefruit accounted for 7 percent, and tangerines and tangelos represented 1 percent.

Estimates of county production are prepared from objective survey data used in forecasting citrus crop production. The apportionment of final harvest to the counties is based on bearing trees, an estimate of the average fruit per tree, and the drop and size surveys. Sample size used in these surveys and the distribution of the sample groves around the state are chosen to minimize error in the estimates of production and are not to be considered as precise for the counties as at the state or area levels.
Citrus Production by County and Production Area, by Type – Florida: 2019-2020 (continued)

<table>
<thead>
<tr>
<th>County</th>
<th>Early 1</th>
<th>Royal</th>
<th>Honey</th>
<th>Other 2</th>
<th>Tangelos</th>
<th>All Tangerines and Tangelos</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
</tr>
<tr>
<td>Brevard</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Charlotte</td>
<td>13</td>
<td>-</td>
<td>13</td>
<td>4</td>
<td>5</td>
<td>35</td>
</tr>
<tr>
<td>Collier</td>
<td>5</td>
<td>20</td>
<td>12</td>
<td>1</td>
<td>1</td>
<td>39</td>
</tr>
<tr>
<td>DeSoto</td>
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<td>3</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>Glades</td>
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<td>8</td>
<td>-</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>Hardee</td>
<td>19</td>
<td>-</td>
<td>4</td>
<td>24</td>
<td>2</td>
<td>49</td>
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<tr>
<td>Hendry</td>
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<td>17</td>
<td>6</td>
<td>16</td>
<td>1</td>
<td>43</td>
</tr>
<tr>
<td>Hernando</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Highlands</td>
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<td>19</td>
<td>7</td>
<td>16</td>
<td>2</td>
<td>68</td>
</tr>
<tr>
<td>Hillsborough</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Indian River</td>
<td>8</td>
<td>6</td>
<td>4</td>
<td>223</td>
<td>46</td>
<td>287</td>
</tr>
<tr>
<td>Lake</td>
<td>21</td>
<td>4</td>
<td>3</td>
<td>20</td>
<td>9</td>
<td>57</td>
</tr>
<tr>
<td>Lee</td>
<td>1</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>7</td>
</tr>
<tr>
<td>Manatee</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Marion</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Martin</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Okeechobee</td>
<td>1</td>
<td>3</td>
<td>-</td>
<td>23</td>
<td>8</td>
<td>35</td>
</tr>
<tr>
<td>Orange</td>
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<td>-</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Osceola</td>
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<td>-</td>
<td>2</td>
<td>-</td>
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<td>Pasco</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>11</td>
<td>-</td>
<td>11</td>
</tr>
<tr>
<td>Polk</td>
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<td>25</td>
<td>37</td>
<td>91</td>
<td>7</td>
<td>240</td>
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<td>-</td>
<td>7</td>
<td>11</td>
<td>5</td>
<td>64</td>
<td>87</td>
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<tr>
<td>Sarasota</td>
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<td>4</td>
<td>-</td>
<td>-</td>
<td>4</td>
<td>8</td>
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<td>Seminole</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Seminole</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Volusia</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Other 3</td>
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<td>-</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>190</td>
<td>110</td>
<td>115</td>
<td>445</td>
<td>160</td>
<td>1,020</td>
</tr>
</tbody>
</table>

1. **Represents zero.**
2. **Fallglo, Early Pride and Sunburst varieties.**
3. **Includes Autumn Honey, Juicy Crunch, Orri, Roe, Tango and other minor tangerine varieties.**
4. **Citrus and Putnam Counties**
The Florida Agricultural Statistics Service conducts objective surveys to determine fruit per tree, average sizes, and droppage between August and maturity. These data are used to estimate production per tree for each of four types of citrus fruit, as shown in the following tables. The estimates of production per tree are based on official end-of-season production estimates and the number of bearing trees indicated by the Commercial Citrus Inventory. The averages of boxes per tree for age groups shown are calculated from estimates of fruit per tree in August, size at maturity, and drop between August and maturity. Additionally, the boxes are subdivided by production areas. Estimated boxes by type and age group are weighted averages of the indicated seasons. Small sample sizes in some age/area cells and rounding may contribute to inconsistent averages.
## Valencia Orange Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida: 2015-2016 through 2019-2020

<table>
<thead>
<tr>
<th>Production area</th>
<th>Age of trees</th>
<th>Average 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 - 5 years</td>
<td>6 - 8 years</td>
</tr>
<tr>
<td>Indian River</td>
<td>0.5</td>
<td>0.4</td>
</tr>
<tr>
<td>Northern &amp; Central</td>
<td>0.8</td>
<td>0.4</td>
</tr>
<tr>
<td>Western</td>
<td>0.7</td>
<td>0.3</td>
</tr>
<tr>
<td>Southern</td>
<td>0.7</td>
<td>0.6</td>
</tr>
<tr>
<td></td>
<td>(boxes per tree)</td>
<td>(boxes per tree)</td>
</tr>
</tbody>
</table>

J Less than one-tenth of the unit shown.

1 Average weighted by bearing trees.
## Red Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida: 2015-2016 through 2019-2020

<table>
<thead>
<tr>
<th>Production area</th>
<th>3 – 5 years (boxes per tree)</th>
<th>6 – 8 years (boxes per tree)</th>
<th>9 – 13 years (boxes per tree)</th>
<th>14 – 23 years (boxes per tree)</th>
<th>24 years and older (boxes per tree)</th>
<th>Average 1 (boxes per tree)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td>1.9</td>
<td>3.5</td>
<td>2.6</td>
</tr>
<tr>
<td>Northern &amp; Central</td>
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<td>0.6</td>
<td>2.6</td>
<td>2.7</td>
<td>3.9</td>
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<tr>
<td>Western</td>
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<td>0.8</td>
<td>0.8</td>
<td>1.1</td>
<td>3.1</td>
<td>2.0</td>
</tr>
<tr>
<td>Southern</td>
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<td>1.3</td>
<td>3.0</td>
<td>3.6</td>
<td>3.4</td>
<td>2.5</td>
</tr>
<tr>
<td>2016-2017</td>
<td>0.9</td>
<td>2.0</td>
<td>1.2</td>
<td>1.8</td>
<td>2.6</td>
<td>2.1</td>
</tr>
<tr>
<td>Indian River</td>
<td>1.0</td>
<td>2.3</td>
<td>1.3</td>
<td>2.0</td>
<td>2.9</td>
<td>2.4</td>
</tr>
<tr>
<td>Northern &amp; Central</td>
<td>0.2</td>
<td>1.3</td>
<td>1.2</td>
<td>1.9</td>
<td>3.0</td>
<td>2.4</td>
</tr>
<tr>
<td>Western</td>
<td>0.8</td>
<td>2.0</td>
<td>1.5</td>
<td>1.3</td>
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<tr>
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<td>1.1</td>
<td>1.2</td>
<td>1.0</td>
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<tr>
<td>2017-2018</td>
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<td>0.5</td>
<td>1.2</td>
<td>1.4</td>
<td>1.1</td>
</tr>
<tr>
<td>Indian River</td>
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<td>0.6</td>
<td>1.6</td>
<td>1.8</td>
<td>1.5</td>
</tr>
<tr>
<td>Northern &amp; Central</td>
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<td>0.1</td>
<td>0.1</td>
<td>0.2</td>
<td>0.2</td>
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<td>1.0</td>
<td>-</td>
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<td>0.9</td>
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<tr>
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<td>0.4</td>
<td>0.3</td>
<td>0.5</td>
<td>0.4</td>
</tr>
<tr>
<td>2018-2019</td>
<td>0.6</td>
<td>0.7</td>
<td>1.0</td>
<td>1.4</td>
<td>2.0</td>
<td>1.5</td>
</tr>
<tr>
<td>Indian River</td>
<td>0.7</td>
<td>0.8</td>
<td>1.3</td>
<td>1.5</td>
<td>2.3</td>
<td>1.8</td>
</tr>
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1 Represents zero.

1 Average weighted by bearing trees.
### White Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida: 2015-2016 through 2019-2020

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<tr>
<th>Production area</th>
<th>Age of trees</th>
<th>3 – 5 years (boxes per tree)</th>
<th>6 – 8 years (boxes per tree)</th>
<th>9 – 13 years (boxes per tree)</th>
<th>14 – 23 years (boxes per tree)</th>
<th>24 years and older (boxes per tree)</th>
<th>Average ¹ (boxes per tree)</th>
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<td>1.9</td>
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<tr>
<td><strong>Average ¹</strong></td>
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<td>1.9</td>
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¹ Represents zero.
X Not applicable.
## Citrus Equivalent Return per Box, by Variety and Utilization – Florida: Crop Years 2017-2018 through 2019-2020

[2018-2019 is revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2019-2020 preliminary prices are based on cash sales only]

<table>
<thead>
<tr>
<th>Fruit type</th>
<th>Methods of sale</th>
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<th>Fruit type</th>
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<td>Oranges</td>
<td></td>
<td></td>
<td></td>
<td>Tangerines and Tangelos</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Early ²</td>
<td></td>
</tr>
<tr>
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<td></td>
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<td>30.25</td>
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<td>Early ²</td>
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<td>and Tangelos</td>
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</table>

X Not applicable.

¹ Includes seedy grapefruit.

² Fallglo, Early Pride and Sunburst varieties

## Citrus Bearing Trees by Variety and Age Group – Florida: Crop Year 2019-2020

<table>
<thead>
<tr>
<th>Fruit type</th>
<th>Age 1 2014-2016</th>
<th>Age 2 2011-2013</th>
<th>Age 3 2006-2010</th>
<th>Age 4 1996-2005</th>
<th>Age 5 1995 and earlier</th>
<th>Total bearing trees</th>
</tr>
</thead>
<tbody>
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<td></td>
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<td>(1,000 trees)</td>
<td>(1,000 trees)</td>
<td>(1,000 trees)</td>
<td>(1,000 trees)</td>
<td>(1,000 trees)</td>
</tr>
<tr>
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<td>2,460</td>
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<td>4,779</td>
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<td>Valencia Oranges</td>
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<td>11,911</td>
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<td>Red Grapefruit</td>
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<td>277</td>
<td>209</td>
<td>220</td>
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<td>7</td>
<td>3</td>
<td>11</td>
<td>25</td>
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<td>419</td>
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</table>

¹ Includes seedy grapefruit.