All Oranges Lowered to 129.0 Million Boxes

The Florida all orange forecast released today by the USDA Agricultural Statistics Board is 129.0 million boxes, comprised of 63.0 million boxes of Valencia oranges and 66.0 million boxes of the non-Valencia varieties (early, midseason, Navel, and Temple). If realized, this forecast would be 21 percent less than last season’s production of 162.4 million boxes. Eight days of sub-freezing temperatures were recorded during the period of January 5-13, 2010 in the citrus producing region of Florida. The usual monthly surveys to measure size of fruit and fruit droppage were conducted January 14-29, 2010. See insert for the results of the additional freeze damage assessment conducted on January 26-27, 2010.

Non-Valencia Oranges Lowered to 66.0 Million Boxes

The forecast of non-Valencia oranges is reduced by 3.0 million boxes. Survey data indicated decreased fruit size and increased droppage. Results of the Row Count survey conducted January 26-27, 2010 show that 74 percent of the early-midseason oranges and 93 percent of the Navel rows have been harvested. Navel, which are included in this forecast, are unchanged at 2.3 million boxes.

Valencia Oranges Lowered to 63.0 Million Boxes

The forecast of Valencia oranges is reduced by 3.0 million boxes. Fruit size has been below average all season and the growth rate slowed in January resulting in a projected size below the minimum of previous seasons. Droppage is near average and it is projected to be slightly above average at harvest.

FCOJ Yield 1.56 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is reduced to 1.56 gallons per box of 42° Brix concentrate for all oranges, down from 1.60 gallons per box in January. The early-midseason projection is reduced to 1.50 gallons per box, down from 1.53 gallons per box, and the Valencia projection is 1.65 gallons per box, down from 1.70 gallons per box. Last season the Florida Department of Citrus reported final FCOJ yield for all oranges at 1.664452 gallons per box.


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<td>(1,000 boxes)</td>
<td>(1,000 boxes)</td>
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<td>(1,000 boxes)</td>
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</table>

¹ Early, midseason, Navel, and Temple varieties.
² Estimates for current year carried forward from previous forecast.
³ Estimates discontinued beginning with the 2009-2010 crop year.
Grapefruit Lowered to 18.8 Million Boxes

The grapefruit forecast of 18.8 million boxes is down 700,000 boxes from last month and consists of 5.3 million boxes of white and 13.5 million boxes of colored grapefruit. The 200,000 box decrease in the white variety and the 500,000 box decrease in the colored varieties is the result of a decrease in the growth rate of the fruit in January. If realized, this forecast will be 13 percent less than last season’s utilization of 21.7 million boxes.

All Tangerines Lowered to 4.0 Million Boxes

The all tangerine forecast is reduced by 700,000 boxes from January’s forecast to 4.0 million boxes. If realized, this forecast will be 4 percent more than last season’s utilization of 3.85 million boxes. The later maturing Honey tangerine forecast is reduced by 600,000 boxes from January’s forecast to 1.7 million boxes based on smaller sizes and higher droppage compared to previous projections. The harvest is well underway. The early tangerine (Fallglo and Sunburst) forecast is reduced by 100,000 boxes from January's forecast to 4.0 million boxes.

Tangelos Unchanged at 900,000 Boxes

The forecast of tangelos remains at 900,000 boxes. If realized, this forecast would be the lowest crop since the harvest season following the devastating freeze on December 12-13, 1962. The Row Count survey, conducted January 26-27, 2010 shows 85 percent of rows harvested and, when compared to the estimated certified utilization, supports the current forecast.

Forecast Components, by Variety — Florida: February 1, 2010

[Survey data is considered final in December for Navels, January for early-midseason oranges, February for grapefruit, and April for Valencias]

<table>
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<tr>
<th>Orange type</th>
<th>Bearing trees (1,000)</th>
<th>Fruit per tree (number)</th>
<th>Droppage (percent)</th>
<th>Fruit per box (number)</th>
<th>Grapefruit type</th>
<th>Bearing trees (1,000)</th>
<th>Fruit per tree (number)</th>
<th>Droppage (percent)</th>
<th>Fruit per box (number)</th>
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<td>Colored</td>
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<td>222</td>
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1 Seedless variety only.


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<tr>
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<th>2006-2007 (1,000 boxes)</th>
<th>2007-2008 (1,000 boxes)</th>
<th>2008-2009 (1,000 boxes)</th>
<th>2009-2010 Forecast January (1,000 boxes)</th>
<th>2009-2010 Forecast February (1,000 boxes)</th>
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<td>10,800</td>
<td>13,250</td>
<td>12,550</td>
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</tbody>
</table>

1 Estimates for current year carried forward from previous forecast.
2 Estimates discontinued beginning with the 2009-2010 crop year.
3 Fallglo and Sunburst varieties.
4 Includes tangelos and tangors.

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8 inch orifice tube. The beam settings are also identical to past tests and no restrictors are used]

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<td></td>
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<td>48.92</td>
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<td>55.49</td>
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(NA) Not available.

Maturity — Florida: February 1, 2010

Early, midseason and late regular bloom fruit samples were collected on established routes throughout the citrus producing region on January 26-27, 2010, and tested at the laboratory of the National Agricultural Statistics Service (NASS), Florida Field office. Compared to the January 2010, acid levels are lower for midseason and late varieties and unchanged for the early oranges. For all orange varieties, the Brix is higher but the unfinished juice per box is lower. Solids per box are up for the late oranges, but lower for the early and midseason varieties.

Citrus Fruit Maturity Test Averages, by Areas — Florida: February 1, 2010

<table>
<thead>
<tr>
<th>Fruit type</th>
<th>Groves sampled (number)</th>
<th>Acid (percent)</th>
<th>Solids (Brix) (percent)</th>
<th>Ratio (number)</th>
<th>Unfinished juice per box (pounds)</th>
<th>Solids per box (pounds)</th>
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<td>Late</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indian River</td>
<td>27</td>
<td>1.26</td>
<td>11.81</td>
<td>9.40</td>
<td>53.27</td>
<td>6.29</td>
</tr>
<tr>
<td>Other Areas</td>
<td>123</td>
<td>1.23</td>
<td>11.64</td>
<td>9.63</td>
<td>51.94</td>
<td>6.05</td>
</tr>
</tbody>
</table>
Fruit Size Comparisons by Types to Previous Seasons

Size frequency distributions from the January size survey are shown in the following table. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions include fruit from regular bloom and exclude fruit from summer bloom.

### Citrus Size Frequency Measurement Distributions, by Type — Florida: January

<table>
<thead>
<tr>
<th>Type and number of fruit per 4/5-bushel containers</th>
<th>2008 (percent)</th>
<th>2009 (percent)</th>
<th>2010 (percent)</th>
<th>Type and number of fruit per 4/5-bushel containers</th>
<th>2008 (percent)</th>
<th>2009 (percent)</th>
<th>2010 (percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VALENCIA ORANGES</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>WHITE SEEDLESS GRAPEFRUIT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64 or less..........................................</td>
<td>4.1</td>
<td>3.7</td>
<td>3.8</td>
<td>32 or less............................................</td>
<td>7.6</td>
<td>26.1</td>
<td>14.3</td>
</tr>
<tr>
<td>80...................................................</td>
<td>18.8</td>
<td>21.7</td>
<td>19.2</td>
<td>36.....................................................</td>
<td>18.4</td>
<td>25.4</td>
<td>23.7</td>
</tr>
<tr>
<td>100..................................................</td>
<td>36.6</td>
<td>43.1</td>
<td>39.6</td>
<td>40.....................................................</td>
<td>21.0</td>
<td>16.1</td>
<td>17.7</td>
</tr>
<tr>
<td>125..................................................</td>
<td>26.9</td>
<td>23.8</td>
<td>24.5</td>
<td>48.....................................................</td>
<td>21.1</td>
<td>15.3</td>
<td>17.8</td>
</tr>
<tr>
<td>163 or more.........................................</td>
<td>13.6</td>
<td>7.7</td>
<td>12.9</td>
<td>56.....................................................</td>
<td>13.5</td>
<td>8.0</td>
<td>11.3</td>
</tr>
<tr>
<td><strong>HONEY TANGERINES</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>COLORED SEEDLESS GRAPEFRUIT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>80 or less..........................................</td>
<td>24.1</td>
<td>33.1</td>
<td>23.9</td>
<td>32 or less............................................</td>
<td>5.8</td>
<td>13.2</td>
<td>5.1</td>
</tr>
<tr>
<td>100..................................................</td>
<td>31.1</td>
<td>31.9</td>
<td>32.2</td>
<td>36.....................................................</td>
<td>15.5</td>
<td>19.9</td>
<td>11.4</td>
</tr>
<tr>
<td>120..................................................</td>
<td>25.9</td>
<td>18.6</td>
<td>25.4</td>
<td>40.....................................................</td>
<td>15.6</td>
<td>18.7</td>
<td>18.2</td>
</tr>
<tr>
<td>176..................................................</td>
<td>7.5</td>
<td>8.4</td>
<td>9.2</td>
<td>48.....................................................</td>
<td>17.6</td>
<td>20.4</td>
<td>21.9</td>
</tr>
<tr>
<td>210 or more.........................................</td>
<td>11.4</td>
<td>8.0</td>
<td>9.3</td>
<td>56.....................................................</td>
<td>14.9</td>
<td>11.5</td>
<td>15.7</td>
</tr>
<tr>
<td><strong>COLORED SEEDLESS GRAPEFRUIT</strong></td>
<td></td>
<td></td>
<td></td>
<td>63 or more...........................................</td>
<td>30.6</td>
<td>16.3</td>
<td>27.7</td>
</tr>
</tbody>
</table>

The charts below show the distribution of fruit sizes in 2010 compared to 2009. The diameter measurements shown are the minimum values of each eighth-inch range, except for the smallest values.

### Fruit Size Frequency Measurements, Valencia Oranges, by Diameter — Florida: January

![Graph showing the distribution of Valencia Oranges by diameter in 2010 and 2009.]

### Fruit Size Frequency Measurements, White Seedless Grapefruit, by Diameter — Florida: January

![Graph showing the distribution of White Seedless Grapefruits by diameter in 2010 and 2009.]

USDA, NASS, Florida Field Office
This report presents the results of the special survey conducted on January 26-27, 2010 to assess fruit and leaf damage caused by the 8 days of sub-freezing temperatures that occurred during the period of January 5-13, 2010 in the citrus producing region of Florida. Personnel from the National Agricultural Statistics Service (NASS), Florida Field Office checked fruit and trees in unharvested sample groves across the State’s production areas. Using the Federal-State Inspection Service standards, fruit was cut and scored for damage at depths of ¼-inch, ½-inch, and at the center, recording the point of greatest severity of damage. The tables below show the distribution and severity of damage.

### Florida Citrus — Condition of fruit on trees by variety

<table>
<thead>
<tr>
<th>Fruit type (Number of groves)</th>
<th>No damage apparent</th>
<th>Damage at ¼-inch cut</th>
<th>Damage at ½-inch cut</th>
<th>Damage at center cut</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
<td>Minor (percent)</td>
</tr>
<tr>
<td><strong>ORANGES:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early (29)</td>
<td>60.3</td>
<td>12.9</td>
<td>8.6</td>
<td>14.7</td>
</tr>
<tr>
<td>Midseason (24)</td>
<td>57.8</td>
<td>14.1</td>
<td>8.9</td>
<td>18.7</td>
</tr>
<tr>
<td>Late (150)</td>
<td>89.9</td>
<td>5.3</td>
<td>3.2</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>GRAPEFRUIT:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White (37)</td>
<td>97.0</td>
<td>2.0</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Colored (28)</td>
<td>99.1</td>
<td>0.9</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

### Florida Citrus — Condition of fruit on trees by production area

<table>
<thead>
<tr>
<th>Fruit type and production area (Number of groves)</th>
<th>No damage apparent</th>
<th>Damage at ¼-inch cut</th>
<th>Damage at ½-inch cut</th>
<th>Damage at center cut</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
<td>Minor (percent)</td>
</tr>
<tr>
<td><strong>LATE ORANGES (150)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indian River</td>
<td>94.4</td>
<td>3.2</td>
<td>1.4</td>
<td>1.0</td>
</tr>
<tr>
<td>Northern</td>
<td>67.5</td>
<td>7.5</td>
<td>17.5</td>
<td>5.0</td>
</tr>
<tr>
<td>Central</td>
<td>91.2</td>
<td>4.1</td>
<td>2.5</td>
<td>2.2</td>
</tr>
<tr>
<td>Western</td>
<td>82.0</td>
<td>11.8</td>
<td>4.0</td>
<td>2.2</td>
</tr>
<tr>
<td>Southern</td>
<td>94.6</td>
<td>2.5</td>
<td>2.6</td>
<td>0.3</td>
</tr>
<tr>
<td>Total</td>
<td>89.9</td>
<td>5.3</td>
<td>3.2</td>
<td>1.5</td>
</tr>
</tbody>
</table>

### Florida Citrus — Leaf damage by variety

<table>
<thead>
<tr>
<th>Fruit type (Number of groves)</th>
<th>No damage</th>
<th>Minor</th>
<th>Major</th>
<th>Serious</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
</tr>
<tr>
<td><strong>ORANGES:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early (29)</td>
<td>83.6</td>
<td>10.3</td>
<td>3.5</td>
<td>2.6</td>
</tr>
<tr>
<td>Midseason (24)</td>
<td>77.1</td>
<td>14.6</td>
<td>8.3</td>
<td>0.0</td>
</tr>
<tr>
<td>Late (150)</td>
<td>90.0</td>
<td>10.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>GRAPEFRUIT:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White (37)</td>
<td>91.2</td>
<td>5.4</td>
<td>0.7</td>
<td>2.7</td>
</tr>
<tr>
<td>Colored (28)</td>
<td>100.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

### Florida Citrus — Leaf damage by production area

<table>
<thead>
<tr>
<th>Fruit type and production area (Number of groves)</th>
<th>No damage</th>
<th>Minor</th>
<th>Major</th>
<th>Serious</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
<td>(percent)</td>
</tr>
<tr>
<td><strong>LATE ORANGES (150)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indian River</td>
<td>100.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Northern</td>
<td>80.0</td>
<td>20.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Central</td>
<td>81.9</td>
<td>18.1</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Western</td>
<td>85.3</td>
<td>14.7</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Southern</td>
<td>96.0</td>
<td>4.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>90.0</td>
<td>10.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>