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January 11, 2008

## ALL ORANGES 168.0 MILLION BOXES

The Florida all orange forecast released today by the USDA Agricultural Statistics Board remains at 168.0 million boxes. No changes were made in the early-midseason-Navel orange category at 81.0 million boxes, or to the later maturing Valencia oranges at 87.0 million boxes. In the past ten non-hurricane affected seasons, the January all orange forecast has differed from actual production by an average of 3.4 percent, with seven above and three below.

The Florida citrus growing area has experienced relatively warm, dry weather over the past several months. Frequent irrigation has helped keep both the trees and fruit in good condition.

## EARLY-MIDSEASON-NAVELS 81.0 MILLION BOXES

The early-midseason Navel forecast is continued at 81.0 million boxes, including 3.1 million boxes of Navels. The final size and drop measurements for early and midseason fruit were taken in December. Measurements taken during the month indicate it will take 264 pieces of fruit at harvest to fill a 90-pound box, seven pieces less than projected the previous month. Although not as small as expected, final sizes are the smallest since the 2000-01 season. Final droppage, at 8.0 percent, is less than the 9.4 percent

Citrus Production: January 1, 2008
Forecasts by varieties and states, with comparisons

| Crop and State | Production |  | Forecast |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2005-06 | 2006-07 | Dec 11, 2007 | Jan 11, 2008 |
| -- 1,000 boxes -- |  |  |  |  |
| Early, Midseason, and Navel Oranges: |  |  |  |  |
| FLORIDA ${ }^{1 /}$ | 75,000 | 65,600 | 81,000 | 81,000 |
| California | 47,000 | 34,000 | 43,000 | 48,000 |
| Texas | 1,400 | 1,600 | 1,450 | 1,400 |
| Arizona | 250 | 200 | 200 | 250 |
| Total Above Varieties | 123,650 | 101,400 | 125,650 | 130,650 |
| Valencias: |  |  |  |  |
| FLORIDA | 72,700 | 63,400 | 87,000 | 87,000 |
| California | 14,000 | 11,000 | 15,000 | 15,000 |
| Texas | 200 | 380 | 350 | 385 |
| Arizona | 200 | 100 | 100 | 100 |
| Total Valencias | 87,100 | 74,880 | 102,450 | 102,485 |
| All Oranges: |  |  |  |  |
| FLORIDA | 147,700 | 129,000 | 168,000 | 168,000 |
| California | 61,000 | 45,000 | 58,000 | 63,000 |
| Texas | 1,600 | 1,980 | 1,800 | 1,785 |
| Arizona | 450 | 300 | 300 | 350 |
| Total All Oranges | 210,750 | 176,280 | 228,100 | 233,135 |

[^0]
## FORECAST DATES - 2007-08 SEASON

February 8, 2008
May 9, 2008
March 11, 2008
June 10, 2008
Adril 9. 2008
Julv 11. 2008
average of the last eight non-hurricane affected seasons. The two factors used in regressions which include the past eight non-hurricane seasons fully support the current forecast. Results of the Row Count survey conducted January 2-3 indicate that harvest at 31 percent is behind eight of the past ten seasons.

Utilization in the early-midseason category reached over five million boxes the second full week of December. It is expected that this level of harvest will be maintained throughout January. Estimated utilization to the first of January is 25.8 million boxes compared to actual utilization of 27.2 million boxes last season.

## VALENCIAS 87.0 MILLION BOXES

The Valencia portion of the forecast at 87.0 million boxes is unchanged. Significant growth was recorded over the past month. It is now projected that it will take 217 pieces of fruit to fill a 90-pound box at harvest. Average drop at 13 percent is unchanged from last month.

Components Used in the January Forecast ${ }^{1 /}$

| Type | Bearing <br> trees | Fruit <br> per <br> tree | Percent <br> droppage | Fruit <br> per <br> box |
| :--- | ---: | ---: | ---: | :---: |
| Oranges: | $(1,000)$ |  |  |  |
| Early-mid | 24,473 | 1,052 | 8 | 264 |
| Navel | 1,284 | 440 | 10 | 138 |
| Valencia | 33,835 | 679 | 13 | 217 |
| Survey data is considered final in December for Navels, |  |  |  |  |
| January for early-midseason oranges, and April for Valencias. |  |  |  |  |

## FCOJ YIELD 1.60 GALLONS PER BOX

The all orange FCOJ yield projection remains 1.60 gallons per box. Last season's final yield was 1.65 gallons per box. The early-mid portion is projected at 1.53 gallons per box, below last season's final of 1.56 gallons. The Valencia portion is projected at 1.68 gallons, below last season's final of 1.77 gallons per box.

## GRAPEFRUIT 25.0 MILLION BOXES

The Florida forecast of grapefruit for utilization (including an allocation of 700,000 boxes of gift fruit and local sales) is unchanged at 25.0 million boxes. Making up the forecast are 8.0 million boxes of white and 17.0 million boxes of colored grapefruit. If realized, this forecast will be 8.1 percent less than harvested last season, and the lowest for a non-disaster season since the 24.2 million boxes harvested in 1949-50.

The principal grapefruit growing regions have experienced dry weather and warm temperatures most of the season. A short cold snap during the second week in December was helpful to the fruit and trees to prepare them for the winter. Reports indicate the overall grapefruit quality has been good throughout the season.

The fruit size and drop measurements obtained in December are the primary indicators used in setting this month's forecast. Average fruit sizes for white grapefruit are projected to be among the smallest in a series dating back to 1968-69 and the smallest since the minimum recorded in the 1990-91 season. The expected number of fruit required to fill a 1-3/5 bushel box at harvest is now at 98 pieces. Projected droppage, at slightly over 12 percent, is up from last month. Slightly more white grapefruit has been processed rather than sold as fresh. Estimated utilization to January 1 is 1.2 million boxes, compared to actual utilization of 1.1 million boxes the same time last season.

Citrus Production: January 1, 2008 forecasts by varieties and States, with comparisons

| Crop and State | Production |  | Forecast |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2005-06 | 2006-07 | Dec 11, 2007 | Jan 11, 2008 |
| -- - 1,000 boxes -- |  |  |  |  |
| Grapefruit: |  |  |  |  |
| Florida-All | 19,300 | 27,200 | 25,000 | 25,000 |
| White | 6,500 | 9,300 | 8,000 | 8,000 |
| Colored | 12,800 | 17,900 | 17,000 | 17,000 |
| California | 6,000 | 4,000 | 4,500 | 5,000 |
| Texas | 5,200 | 7,100 | 6,800 | 6,600 |
| Arizona | 100 | 100 | 200 | 150 |
| Total Grapefruit | 30,600 | 38,400 | 36,500 | 36,750 |
| Lemons: |  |  |  |  |
| California | 22,000 | 16,000 | 16,500 | 17,000 |
| Arizona | 3,800 | 2,500 | 1,500 | 1,500 |
| Total Lemons | 25,800 | 18,500 | 18,000 | 18,500 |
| TEMPLES: | 700 | 1/ | $1 /$ | 1/ |
| Tangelos: Florida | 1,400 | 1,250 | 1,300 | 1,300 |
| Tangerines: |  |  |  |  |
| Florida-All | 5,500 | 4,600 | 4,800 | 4,800 |
| Early ${ }^{2 /}$ | 2,850 | 2,400 | 2,600 | 2,600 |
| Honey | 2,650 | 2,200 | 2,200 | 2,200 |
| California ${ }^{3 /}$ | 3,600 | 2,900 | 4,700 | 5,100 |
| Arizona ${ }^{3 /}$ | 550 | 300 | 400 | 400 |
| Total Tangerines | 9,650 | 7,800 | 9,900 | 10,300 |

[^1]Components Used in the January Forecast

| Type | Bearing <br> trees | Fruit <br> per <br> tree | Percent <br> droppage | Fruit <br> per <br> box |
| :--- | :---: | :---: | :---: | :---: |
| $(1,000)$ |  |  |  |  |
| Graperruit: |  |  |  |  |
| White | 1,862 | 557 | 12 | 98 |
| Colored | 4,155 | 499 | 12 | 108 |

${ }^{1 /}$ Seedless variety only.

Projected average size of colored grapefruit has increased and is slightly larger than the adopted size used in the December forecast. It is anticipated it will take 108 pieces of fruit to fill a 1-3/5 bushel box. The projected drop rate, at 12 percent, is unchanged from last month. Colored grapefruit have been of good quality this year, and to this point in time twice as much has gone fresh than has gone to processing. Estimated utilization to January 1 is 4.0 million boxes, compared to 4.2 million boxes actually utilized the same time last year.

## ALL TANGERINES 4.8 MILLION BOXES

The forecast of all tangerines remains at 4.8 million boxes. Forecasts for the components are 2.6 million boxes for the early varieties (Fallglo and Sunburst) and 2.2 million boxes for the later maturing Honey variety.

The forecast of utilization for early tangerines is unchanged since the initial October forecast. Fallglo tangerine harvest is nearly complete at 650,000 boxes and Sunburst tangerine estimated harvest as of January 1 is $1,487,000$ boxes.

The Honey tangerine forecast is unchanged at 2.2 million boxes. The size and drop surveys conducted in December are the main indicators used in setting this month's forecast. The Honey variety experienced a significant size increase in December, and droppage was higher than anticipated. These two indications offset each other. Regressions compared to previous years signify the forecast will still be realized.

## TANGELOS 1.3 MILLION BOXES

The tangelo forecast continues at 1.3 million boxes (including an allocation of noncertified use of 100,000 boxes). Weekly utilization for tangelos has been averaging about 100,000 boxes the last several weeks. The Row Count survey, conducted January 2-3, 2008, showed 49 percent of the rows were harvested. Orlando tangelos are harvested earlier in the season primarily for the fresh market, and transition to processing later in the season. Minneolas, a later variety, will be harvested starting this month, primarily for the fresh market.

## Unadjusted Maturity Tests: Average of regular bloom fruit from sample

 groves, 2006-07 and 2007-08 seasons| $\begin{array}{c}\text { Fruit type } \\ \text { (No. groves) } \\ \text { test date }\end{array}$ | Acid |  | $\begin{array}{c}\text { Solids } \\ \text { (Brix) }\end{array}$ |  | Ratio |  | $\begin{array}{c}\text { Unfinished juice } \\ \text { per box }\end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | \(\left.\begin{array}{c}Solids <br>

per box\end{array}\right]\)

Oranges:
Early (72-75)

| Sep 1 | 1.72 | 1.78 | 9.41 | 9.42 | 5.55 | 5.43 | 43.09 | 41.34 | 4.04 | 3.89 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 1 | 1.19 | 1.28 | 9.52 | 10.27 | 8.25 | 8.17 | 49.07 | 45.88 | 4.68 | 4.71 |
| Nov 1 | 0.94 | 0.90 | 10.30 | 10.16 | 11.23 | 11.51 | 50.04 | 51.01 | 5.15 | 5.18 |
| Dec 1 | 0.86 | 0.84 | 10.79 | 10.90 | 12.82 | 13.19 | 52.36 | 52.09 | 5.64 | 5.67 |
| Jan 1 | 0.75 | 0.75 | 11.67 | 11.79 | 15.80 | 15.96 | 50.50 | 51.02 | 5.89 | 6.01 |
| Midseason (44-49) |  |  |  |  |  |  |  |  |  |  |
| Sep 1 | 1.80 | 2.01 | 9.26 | 9.63 | 5.27 | 4.87 | 42.48 | 41.64 | 3.94 | 4.01 |
| Oct 1 | 1.31 | 1.51 | 9.51 | 9.60 | 7.43 | 6.48 | 50.48 | 46.14 | 4.80 | 4.43 |
| Nov 1 | 1.05 | 1.01 | 10.32 | 10.32 | 9.99 | 10.43 | 50.83 | 51.14 | 5.24 | 5.28 |
| Dec 1 | 0.89 | 0.97 | 10.87 | 11.22 | 12.35 | 11.74 | 52.62 | 50.59 | 5.72 | 5.67 |
| Jan 1 | 0.84 | 0.87 | 12.07 | 12.29 | 14.73 | 14.55 | 51.74 | 52.06 | 6.25 | 6.40 |
| Late (150-149) |  |  |  |  |  |  |  |  |  |  |
| Sep 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Oct 1 | 2.50 | 2.62 | 8.91 | 9.47 | 3.59 | 3.66 | 45.75 | 43.86 | 4.08 | 4.15 |
| Nov 1 | 2.02 | 1.95 | 9.82 | 9.27 | 4.94 | 4.82 | 48.78 | 48.85 | 4.79 | 4.53 |
| Dec 1 | 1.70 | 1.70 | 9.88 | 10.11 | 5.89 | 6.02 | 51.66 | 52.22 | 5.10 | 5.28 |
| Jan 1 | 1.40 | 1.36 | 10.88 | 11.14 | 7.85 | 8.27 | 51.81 | 53.58 | 5.63 | 5.97 |

NOTICE: 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.

MATURITY TEST AVERAGES BY AREAS, JANUARY 1, 2008

| Fruit type | Groves sampled | Acid | $\begin{aligned} & \text { Solids } \\ & \text { (Brix) } \end{aligned}$ | Ratio | Unfinished juice per box | Solids per box |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Percent | Percent |  | Pounds | Pounds |
| Oranges: |  |  |  |  |  |  |
| Early |  |  |  |  |  |  |
| Indian River District | 8 | 0.76 | 11.95 | 15.85 | 52.75 | 6.33 |
| Other Areas | 67 | 0.75 | 11.77 | 15.97 | 50.81 | 5.97 |
| Midseason |  |  |  |  |  |  |
| Indian River District | 11 | 0.85 | 12.46 | 14.82 | 52.78 | 6.57 |
| Other Areas | 38 | 0.87 | 12.24 | 14.47 | 51.85 | 6.35 |
| Late |  |  |  |  |  |  |
| Indian River District | 25 | 1.41 | 11.07 | 7.92 | 53.88 | 5.96 |
| Other Areas | 124 | 1.35 | 11.15 | 8.34 | 53.52 | 5.97 |

## FRUIT SIZE COMPARISONS BY TYPES TO PREVIOUS SEASONS

Size frequency distributions developed from the December 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 relate to fruit from regular bloom and exclude summer bloom in all years.

Florida Citrus: Size frequency distributions from December measurements

| Type of fruit and size in 4/5-bushel containers | 2005 | 2006 | 2007 |
| :---: | :---: | :---: | :---: |
|  | -- - Percent -- |  |  |
| Early and Midseason Oranges: |  |  |  |
| 64 and larger | 0.8 | 6.1 | 1.7 |
| 80 | 5.4 | 17.8 | 10.0 |
| 100 | 21.1 | 35.2 | 28.1 |
| 125 | 37.7 | 27.2 | 34.4 |
| 163 and smaller | 35.0 | 13.7 | 25.8 |
| Valencia Oranges: |  |  |  |
| 64 and larger | 1.7 | 5.9 | 2.6 |
| 80 | 10.3 | 24.9 | 15.1 |
| 100 | 32.4 | 38.8 | 35.2 |
| 125 | 35.2 | 22.8 | 30.0 |
| 163 and smaller | 20.4 | 7.6 | 17.1 |
| White Seedless Grapefruit: |  |  |  |
| 32 and larger | 24.9 | 19.1 | 5.1 |
| 36 | 23.3 | 22.4 | 14.5 |
| 40 | 23.4 | 23.7 | 20.1 |
| 48 | 13.1 | 16.2 | 24.0 |
| 56 | 6.9 | 8.1 | 14.5 |
| 63 and smaller | 8.4 | 10.5 | 21.8 |
| Colored Seedless Grapefruit: |  |  |  |
| 32 and larger | 19.0 | 7.0 | 4.1 |
| 36 | 17.6 | 17.2 | 10.1 |
| 40 | 21.8 | 25.3 | 17.4 |
| 48 | 17.5 | 20.6 | 20.6 |
| 56 | 11.9 | 13.8 | 15.9 |
| 63 and smaller | 12.2 | 16.1 | 31.9 |
| Honey Tangerines: |  |  |  |
| 80 and larger | 10.2 | 27.7 | 13.0 |
| 100 | 37.3 | 35.6 | 29.6 |
| 120 | 33.5 | 21.3 | 28.4 |
| 176 | 8.4 | 8.2 | 14.8 |
| 210 and smaller | 10.6 | 7.2 | 14.2 |

The charts to the right describe the relationships of the fruit size measurements with those taken in the previous year. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

Chart 1: Early and midseason oranges (excluding Navels) size frequency by diameter from December measurements


Chart 2: White seedless grapefruit size frequency by diameter from December measurements



[^0]:    ${ }^{1 /}$ Includes Temples beginning in 2006-07. Historic Temple production on page 2.

[^1]:    ${ }^{1 /}$ Included in early-midseason-Navel oranges.
    ${ }^{2 /}$ Fallglo and Sunburst varieties.
    ${ }^{3 /}$ Includes tangelos and tangors.

