



# CITRUS MAY FORECAST

## MATURITY TEST RESULTS AND FRUIT SIZE

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May 11, 2007

### ALL ORANGES 130.6 MILLION BOXES

The forecast of all oranges for Florida is adjusted downward slightly in the report released today by the USDA Agricultural Statistics Board. The early-midseason-Navel portion is adjusted from 65.7 to 65.6 million boxes. The Valencia portion remains at 65.0 million. If realized, the all orange utilization will be 17.1 million boxes, or 12 percent, less than the 147.7 million in the hurricane reduced 2005-06 season. This forecast is 113.4 million boxes less than the record 244.0 million used in the 1997-98 season.

In the most recent 10 non-hurricane seasons, the May forecast has differed from final production by 1.2 percent, with four seasons above and six below. With the exception of two small storm fronts in the second week of April, rainfall has been sparse. Lakes and canals are at very low levels. Growers are irrigating frequently to promote tree vigor and fruit set.

### EARLY-MIDSEASON-NAVEL ORANGES ADJUSTED TO 65.6 MILLION BOXES

The forecast of early-midseason-Navel oranges (including Temples) is adjusted downward by 100,000 boxes to 65.6 million. Harvest is over. This estimate of final utilization includes an allocation of about one million boxes for other use. The Navel portion of this estimate is 2.85 million boxes.

### CITRUS PRODUCTION: MAY 1, 2007

Forecasts by varieties and states, with comparisons

Crop and State	Production		Forecast	
	2004-05	2005-06	Apr 10, 2007	May 11, 2007
--- 1,000 boxes ---				
<b>EARLY, MIDSEASON, AND NAVAL ORANGES:</b>				
<b>FLORIDA<sup>1/</sup></b>	<b>79,100</b>	<b>75,000</b>	<b>65,700</b>	<b>65,600</b>
California	44,000	47,000	27,000	27,000
Texas	1,500	1,400	1,580	1,580
Arizona	240	250	200	200
Total Above Varieties	124,840	123,650	94,480	94,380
<b>VALENCIAS:</b>				
<b>FLORIDA</b>	<b>70,700</b>	<b>72,700</b>	<b>65,000</b>	<b>65,000</b>
California	20,500	13,500	10,000	10,000
Texas	270	200	270	270
Arizona	190	200	150	150
Total Valencias	91,660	86,600	75,420	75,420
<b>ALL ORANGES:</b>				
<b>FLORIDA</b>	<b>149,800</b>	<b>147,700</b>	<b>130,700</b>	<b>130,600</b>
California	64,500	60,500	37,000	37,000
Texas	1,770	1,600	1,850	1,850
Arizona	430	450	350	350
Total All Oranges	216,500	210,250	169,900	169,800

<sup>1/</sup> Includes Temples beginning in 2006-07. Historic Temple production listed on page 2.

FORECAST DATES — 2006-07 SEASON	
June 11, 2007	July 12, 2007

### VALENCIAS 65.0 MILLION BOXES

The Valencia forecast remains at 65.0 million boxes. The monthly size and drop survey indicates a slight growth in fruit size with droppage increasing to near 20 percent on the remaining crop.

The monthly Row Count survey conducted May 2-3 indicates almost 60 percent of the Valencia rows harvested. When combined with estimated utilization to the same time, the indicator fully supports the forecast.

Estimated utilization to the first of May is 37.9 million boxes with several weekly amounts during April over five million boxes. To date, harvesters report sufficient labor to deliver fruit on a timely basis.

### COMPONENTS USED IN THE MAY FORECAST <sup>1/</sup>

Type	Bearing trees	Fruit per tree	Percent droppage	Fruit per box
(1,000)				
<b>ORANGES:</b>				
Early-mid	27,209	696	8	233
Navel	1,467	342	10	130
Valencia	37,133	428	15	198

<sup>1/</sup> Survey data is considered final in December for Navels, January for early-midseason oranges, and April for Valencias.

### FCOJ YIELD 1.65 GALLONS PER BOX

The projection of all orange FCOJ yield remains at 1.65 gallons per box, a record. The previous record was set in the 1998-99 season at 1.63 gallons. Last season also recorded a yield of a rounded 1.63 gallons. The early-mid portion is final at 1.555467 gallons as reported by the Florida Department of Citrus. The record yield for the early-mid portion was 1.58 gallons in 1998-99. The late (Valencia) portion projection is unchanged at a record high 1.78 gallons per box.

## GRAPEFRUIT LOWERED TO 27.0 MILLION BOXES

The forecast of all grapefruit for utilization (including an allocation of 700,000 boxes of gift fruit and local sales) is now at 27.0 million boxes. Reductions were made in both the white and colored grapefruit. The forecast of **white** grapefruit is now at 9.5 million boxes, and **colored** grapefruit is now at 17.5 million boxes. This forecast, if realized, will be 40 percent more than harvested last season.

The comparison of current utilization to results of the Row Count survey is the primary indication used in setting the May grapefruit forecast. The Row Count survey conducted May 2-3 shows 95 percent of the grapefruit rows harvested. The Western and Southern citrus producing areas, at 98 percent each, have a higher percentage of rows harvested than the rest of the State.

The **white** grapefruit forecast, reduced to 9.5 million boxes, is 46 percent more than harvested last year. The Row Count survey shows 98 percent of white grapefruit rows harvested. Weekly utilization for the month of April was between 300,000 and 500,000 boxes, primarily for processing. Estimated utilization to May 1 is 8.8 million boxes, compared to 6.4 million boxes actual utilization the same time last season.

The **colored** grapefruit forecast is reduced to 17.5 million boxes. The Row Count survey shows a lower percentage of colored grapefruit harvested than white. The majority of the remaining colored grapefruit is on the East

**CITRUS PRODUCTION: May 1, 2007**  
forecasts by varieties and States, with comparisons

Crop and State	Production		Forecast	
	2004-05	2005-06	Apr 10, 2007	May 11, 2007
--- 1,000 boxes ---				
<b>GRAPEFRUIT:</b>				
Florida-All	12,800	19,300	28,000	27,000
White	3,400	6,500	10,000	9,500
Colored	9,400	12,800	18,000	17,500
California	6,100	6,000	4,800	4,800
Texas	6,600	5,200	6,500	6,500
Arizona	140	100	100	100
Total Grapefruit	25,640	30,600	39,400	38,400
<b>LEMONS:</b>				
California	20,500	21,000	16,500	16,500
Arizona	2,400	3,800	2,500	2,500
Total Lemons	22,900	24,800	19,000	19,000
<b>TEMPLES:</b>	650	700	<sup>1/</sup>	<sup>1/</sup>
<b>TANGELOS: Florida</b>	<b>1,550</b>	<b>1,400</b>	<b>1,250</b>	<b>1,250</b>
<b>TANGERINES:</b>				
Florida-All	4,450	5,500	4,600	4,600
Early <sup>2/</sup>	2,450	2,850	2,400	2,400
Honey	2,000	2,650	2,200	2,200
California <sup>3/</sup>	2,900	3,600	2,600	2,600
Arizona <sup>3/</sup>	400	550	300	300
Total Tangerines	7,750	9,650	7,500	7,500

<sup>1/</sup> Included in early-midseason-Navel oranges.

<sup>2/</sup> Fallglo and Sunburst varieties.

<sup>3/</sup> Includes tangelos and tangors.

## COMPONENTS USED IN THE MAY FORECAST <sup>1/</sup>

Type	Bearing trees	Fruit per tree	Percent droppage	Fruit per box
(1,000)				
<b>GRAPEFRUIT:</b>				
White	2,067	469	12	84
Colored	4,243	447	16	91

<sup>1/</sup> January survey data is considered final.

coast, with only 93 percent harvested. Estimated utilization to May 1 is 16.8 million boxes (including an allocation for other use), compared to 12.6 million boxes actual utilization the same time last year. The quality of colored grapefruit has been excellent this season, with 50 percent going fresh. With the export season over, many packing houses are shutting for the season.

## TANGERINES 4.6 MILLION BOXES

The forecast of all tangerines remains at 4.6 million boxes. The forecast for the early varieties (**Fallglo and Sunburst**) is 2.4 million boxes and the later maturing **Honey** variety is 2.2 million boxes.

The forecast of utilization for early tangerines is 2.4 million boxes (including an allocation of 200,000 boxes for other use). **Fallglo** tangerine harvest is complete at 630,000 boxes and **Sunburst** tangerine harvest is complete at 1,770,000 boxes. Harvesting of early tangerines, primarily a fresh fruit, was completed in April. This season, 69 percent of the early tangerines were utilized for the fresh market.

The **Honey** tangerine forecast stays at 2.2 million boxes. The Row Count survey conducted on May 2-3 shows 97 percent of the rows harvested. Utilization for the first two weeks in April was just under 100,000 boxes a week. The last week of the month utilization dropped to 72,000 boxes, and weekly harvest amounts are expected to decrease rapidly. Packing houses across the state are beginning to close as fresh fruit availability decreases. Estimated utilization to the first of May is 2.1 million boxes (including an allocation of 100,000 boxes for other use).

## TANGELOS 1.25 MILLION BOXES

The tangelo forecast is 1,250,000 boxes (including an allocation of non-certified use). Tangelo harvest was complete in April. This season utilization was 11 percent less than last season's 1.4 million boxes. Tangelos are harvested primarily for the fresh market, however this season, 66 percent of the fruit was utilized for processing.

**UNADJUSTED MATURITY TESTS: Average of regular bloom fruit from sample groves, 2005-06 and 2006-07 seasons**

Fruit type (No. groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2005-06	2006-07	2005-06	2006-07	2005-06	2006-07	2005-06	2006-07	2005-06	2006-07
	<i>Percent</i>		<i>Percent</i>				<i>Pounds</i>		<i>Pounds</i>	

*Juice and solids per box are unadjusted and not comparable to plant test results.*

**ORANGES:**

Late (82-69)

Oct 1	2.64	2.53	9.14	8.98	3.50	3.57	43.08	45.55	3.93	4.09
Nov 1	2.01	2.08	9.18	9.90	4.63	4.82	48.37	48.63	4.44	4.82
Dec 1	1.66	1.73	9.84	9.91	6.02	5.79	50.77	52.19	5.00	5.17
Jan 1	1.44	1.43	10.77	10.87	7.55	7.69	52.34	52.76	5.64	5.74
Feb 1	1.32	1.22	11.92	11.99	9.14	9.92	53.66	54.94	6.39	6.59
Mar 1	1.21	1.13	12.54	12.59	10.47	11.19	52.83	54.83	6.63	6.91
Apr 1	1.11	1.10	13.14	13.27	11.90	12.18	53.26	54.24	7.00	7.20
May 1	0.95	0.93	13.75	13.62	14.71	14.92	53.24	55.00	7.33	7.49

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, MAY 1, 2007**

Fruit type	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>		<i>Pounds</i>	<i>Pounds</i>

**ORANGES:**

Late

Indian River District	21	0.95	13.99	15.07	55.45	7.75
Other Areas	48	0.92	13.46	14.86	54.81	7.38

**FRUIT SIZE COMPARISONS BY TYPES TO PREVIOUS SEASONS**

Size frequency distributions developed from the April 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 April measurements**

Type of fruit and size in 4/5-bushel containers	2005	2006	2007
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--- Percent ---

**VALENCIA ORANGES:**

64 and larger	5.4	4.0	14.4
80	24.5	13.2	30.1
100	40.6	32.4	31.7
125	22.4	30.4	17.1
163 and smaller	7.1	20.0	6.7

The chart to the right describes the relationship 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 value.

**CHART 1: Valencia orange size frequency by diameter from April measurements**

