



CITRUS APRIL FORECAST MATURITY TEST RESULTS AND FRUIT SIZE

Cooperating with the Florida Department of Agriculture & Consumer Services
2290 Lucien Way, Suite 300, Maitland, FL 32751
(407) 648-6013 · (407) 648-6029 FAX · www.nass.usda.gov/fl

April 8, 2011

All Orange Production unchanged
Non-Valencia Orange Production unchanged
Valencia Orange Production unchanged
All Grapefruit Production unchanged
All Tangerine Production up 2 percent
Tangelo Production increased 5 percent
FCOJ Yield 1.58 gallons per box

FORECAST DATES – 2010-2011 SEASON
May 11, 2011 June 9, 2011
July 12, 2011

Citrus Production by type and State – United States

Crop and State	Production ¹			2010-2011 Forecast	
	2007-2008 (1,000 boxes)	2008-2009 (1,000 boxes)	2009-2010 (1,000 boxes)	March (1,000 boxes)	April (1,000 boxes)
Non-Valencia Oranges ²					
Florida.....	83,500	84,600	68,600	70,000	70,000
California.....	45,000	34,500	42,500	46,500	48,000
Texas.....	1,600	1,300	1,360	1,360	1,480
Arizona.....	230	150	(NA)	(NA)	(NA)
United States.....	130,330	120,550	112,460	117,860	119,480
Valencia Oranges					
Florida.....	86,700	77,900	*65,100	72,000	72,000
California.....	17,000	12,000	*15,000	14,000	13,000
Texas.....	196	159	275	280	285
Arizona.....	150	100	(NA)	(NA)	(NA)
United States.....	104,046	90,159	*80,375	86,280	85,285
All Oranges					
Florida.....	170,200	162,500	*133,700	142,000	142,000
California.....	62,000	46,500	57,500	60,500	61,000
Texas.....	1,796	1,459	1,635	1,640	1,765
Arizona.....	380	250	(NA)	(NA)	(NA)
United States.....	234,376	210,709	*192,835	204,140	204,765
Grapefruit					
Florida-All.....	26,600	21,700	20,300	19,600	19,600
White.....	9,000	6,600	6,000	5,600	5,600
Colored.....	17,600	15,100	14,300	14,000	14,000
California.....	5,200	4,800	*4,500	3,500	3,500
Texas.....	6,000	5,500	5,600	5,700	5,900
Arizona.....	100	25	(NA)	(NA)	(NA)
United States.....	37,900	32,025	*30,400	28,800	29,000
Lemons					
California.....	14,800	21,000	*21,000	21,000	21,000
Arizona.....	1,500	3,000	2,200	2,500	2,500
United States.....	16,300	24,000	*23,200	23,500	23,500
Tangelos					
Florida.....	1,500	1,150	900	1,100	1,150
Tangerines					
Florida-All.....	5,500	3,850	4,450	4,400	4,500
Early ³	2,600	2,550	2,250	2,600	2,600
Honey.....	2,900	1,300	2,200	1,800	1,900
California ⁴	6,700	6,700	9,900	9,600	9,600
Arizona ⁴	400	250	350	300	300
United States.....	12,600	10,800	14,700	14,300	14,400

* Revised.

(NA) Not available.

¹ Net pounds per box: oranges in California-80 (75 prior to the 2010-2011 crop year), Florida-90, Texas-85; grapefruit in California-80 (67 prior to the 2010-2011 crop year), Florida-85, Texas-80; lemons-80 (76 prior to the 2010-2011 crop year), tangelos-90; tangerines and mandarins in Arizona and California-80 (75 prior to the 2010-2011 crop year), Florida-95.

² Navel and miscellaneous varieties in California. Early (including navel) and midseason varieties in Florida and Texas. Small quantities of tangerines in Texas and Temples in Florida.

³ Fallglo and Sunburst varieties.

⁴ Includes tangelos and tangors.

All Oranges 142.0 Million Boxes

The 2010-2011 Florida all orange forecast released today by the USDA Agricultural Statistics Board is unchanged from last month at 142.0 million boxes. The total is comprised of 70.0 million boxes of non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 72.0 million boxes of Valencia oranges. The hurricane seasons of 2004-2005 and 2005-2006 have been excluded from the usual 10-year regression analysis and from comparisons of the current season to previous seasons. For those previous 8 seasons, the April forecast has deviated from final production by an average of 2 percent with 3 seasons above and 5 below, with differences ranging from 1 percent above to 3 percent below. All references to “average” or “minimum” refer to the previous 8 non-hurricane seasons unless noted.

Non-Valencia Oranges 70.0 Million Boxes

The forecast of non-Valencia orange production is unchanged at 70.0 million boxes. The route survey (Row Count) conducted March 29-30 showed nearly 99 percent of the non-Valencia rows have been harvested. The Navel forecast, included in the non-Valencia forecast, remains unchanged at 2.6 million boxes and represents 4 percent of the non-Valencia total.

Valencia Oranges 72.0 Million Boxes

The forecast of Valencia production is unchanged at 72.0 million boxes. Weekly utilization of Valencias was less than 4 million boxes throughout the month of March. The route survey (Row Count) conducted March 29-30 showed 15 percent of the rows have been harvested. Final fruit size is below the minimum and fruit droppage at 16 percent is above average.

All Grapefruit 19.6 Million Boxes

The forecast of all grapefruit production remains at 19.6 million boxes, including an allocation of 700,000 boxes for non-certified gift fruit and local sales. Of the total grapefruit forecast, 5.6 million boxes are white and 14.0 million boxes are the colored varieties. The route survey conducted March 29-30 shows that 64 percent of the white rows and 84 percent of the colored rows have been harvested. Estimated utilization to the 1st of the month for all grapefruit is 16.0 million boxes.

All Tangerines Increased to 4.5 Million Boxes

The forecast of all tangerine production is raised 100,000 boxes to 4.5 million due to an increase in the Honey variety forecast. The total is comprised of the early varieties (Fallglo and Sunburst) at 2.6 million boxes and Honey tangerines now forecast at 1.9 million boxes. Row Count Survey indications show that 80 percent of the later maturing Honey tangerines are harvested, while the early variety harvest is complete for the season.

Tangelos increased to 1.15 Million Boxes

The forecast of tangelo production is increased 50,000 boxes from the previous forecast. The change is based on total utilization, with certifications over 1.0 million boxes and an allocation for non-certified use.

FCOJ Yield Increased to 1.58 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is increased to 1.58 gallons per box of 42° Brix concentrate for all oranges, up from 1.57 gallons per box in March. The late (Valencia) projection is 1.65 gallons per box, up from 1.62 gallons per box last month. The early-midseason component is final at 1.522625 gallons per box, as reported by the Florida Department of Citrus. Last season’s final yields as reported by the Florida Department of Citrus are: all oranges, 1.559667 gallons per box; non-Valencia, 1.511083; Valencia, 1.625245.

Forecast Components, by Variety — Florida: April 2011

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

Type	Bearing trees (1,000 trees)	Fruit per tree (number)	Droppage (percent)	Fruit per box (number)
ORANGES				
Early-midseason.....	24,093	934	7	280
Navel.....	1,057	491	7	143
Valencia.....	33,122	598	16	227
GRAPEFRUIT				
White.....	1,316	479	11	101
Colored.....	3,517	449	9	111

Maturity – Florida April 1, 2011

Regular bloom fruit samples were collected from groves on established routes March 29-30, 2011 in Florida's five major citrus producing areas and tested March 31, 2011 at the laboratory of the National Agricultural Statistics Service (NASS), Florida Field office. Acid levels are higher than last season while solids are lower, bringing the ratios to a lesser level than last season. Unfinished juice per box and solids per box are slightly higher than last season. Acid levels and solids in fruit from the Indian River District is higher than in other areas, but ratios are lower. Unfinished juice per box and solids per box are higher in fruit from the Indian River than in fruit from other areas.

Citrus Unadjusted Maturity Tests — Florida: 2009-2010 and 2010-2011

[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]

Fruit type (number of groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
LATE ORANGES (134-121)										
Oct 1.....	2.42	2.57	8.88	8.97	3.72	3.51	43.62	43.87	3.87	3.93
Nov 1.....	1.88	2.04	9.33	9.70	5.03	4.80	48.14	48.82	4.49	4.73
Dec 1.....	1.52	1.64	10.23	10.44	6.83	6.42	50.91	51.44	5.20	5.37
Jan 1.....	1.30	1.50	10.89	11.09	8.48	7.44	53.03	50.91	5.78	5.64
Jan 15.....	(NA)	1.43	(NA)	11.43	(NA)	8.09	(NA)	51.58	(NA)	5.89
Feb 1.....	1.24	1.32	11.67	12.01	9.52	9.23	52.22	51.07	6.09	6.14
Mar 1.....	1.12	1.15	12.26	12.39	11.14	10.83	51.59	51.78	6.33	6.42
Apr 1.....	1.01	1.03	12.77	12.70	12.85	12.49	51.37	51.98	6.56	6.61

(NA) Not available.

Citrus Maturity Test Averages, by Areas — Florida: April 1, 2009-2010 and 2010-2011

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011	2009-2010	2010-2011
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
Late Oranges										
Indian River (25-23).....	1.06	1.14	13.13	13.01	12.59	11.53	52.50	52.33	6.90	6.81
Other Areas (109-98).....	0.99	1.00	12.68	12.63	12.91	12.71	51.10	51.90	6.48	6.56

Fruit Size Comparisons by Types to Previous Seasons

Size frequency distributions from the March 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. The charts below show the distribution of fruit sizes in 2011 compared to 2010. The diameter measurements shown are the minimum values of fruit measured, except for the smallest values.

Citrus Size Frequency Measurement Distributions, by Type — Florida: March

Type and number of fruit per 4/5 – bushel containers	2009	2010	2011
	(percent)	(percent)	(percent)
VALENCIA ORANGES			
64 or less.....	3.9	5.7	4.6
80.....	21.5	22.9	17.2
100.....	41.7	38.4	37.1
125.....	24.1	22.4	27.3
163 or more.....	8.8	10.6	13.8

Fruit Size Frequency Measurements, Valencia Oranges, by Diameter – Florida: March

