United States Department of Agriculture
National Agricultural Statistics Service

CITRUS

2012-2013 Citrus Summary
Production, Price and Value
Production by County and Per Tree

Cooperating with the Florida Department of Agriculture & Consumer Services
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All Citrus Production Down 9 Percent, Value Down 32 Percent

The $1.12 billion preliminary on-tree value of the 2012-2013 citrus crop is 32 percent less than the revised value of $1.64 billion for 2011-2012. Florida accounted for 63 percent of the total U.S. citrus production in 2012-2013 with 156.2 million boxes, down 9 percent from the previous season's 171.0 million boxes. Production decreased for all citrus varieties when compared to last season.

All orange production decreased by 9 percent to 133.6 million boxes. Navel production is 2.2 million boxes, down 17 percent from the 2011-2012 season. All grapefruit production is down nearly 3 percent to 18.4 million boxes. Production of Honey tangerines is down 30 percent and early tangerine production is down 18 percent, resulting in a 24 percent decrease in all tangerines. Tangelo production is down 13 percent. Fresh use of Valencia oranges and tangelos is up and processed utilization of white grapefruit increased compared to last season.

The price per box is higher for tangelos and tangerines but lower for all other citrus varieties. The early tangerine on-tree value increased 37 percent, raising the value of all tangerines 13 percent. All other citrus varieties showed decreases in on-tree value.

Citrus Production, Utilization, Price, and Value, by Variety – Florida: Crop Years 2011-2012 and 2012-2013

Variety	Production	Crop utilization		On-tree	
		Fresh use	Processing	Price per box	Value of Production
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(1,000 dollars)
Non-Valencia Oranges					
2011-2012	74,200	3,998	70,202	8.88	659,157
2012-2013	67,100	3,695	63,405	5.93	397,586
Valencia Oranges					
2011-2012	72,500	2,090	70,410	10.99	796,560
2012-2013	66,500	2,336	64,164	8.33	554,169
All Oranges					
2011-2012	146,700	6,088	140,612	9.92	1,455,717
2012-2013	133,600	6,031	127,569	7.12	951,755
White Grapefruit					
2011-2012	5,350	1,147	4,203	6.17	32,987
2012-2013	5,250	1,003	4,247	5.30	27,804
Colored Grapefruit					
2011-2012	13,500	6,782	6,718	7.57	102,242
2012-2013	13,100	6,756	6,344	6.36	83,306
All Grapefruit					
2011-2012	18,850	7,929	10,921	7.17	135,229
2012-2013	18,350	7,759	10,591	6.06	111,110
Tangelos					
2011-2012	1,150	434	716	9.65	11,101
2012-2013	1,000	474	526	10.21	10,209
Early Tangerines [1]					
2011-2012	2,330	1,665	665	7.49	17,448
2012-2013	1,910	1,307	603	12.54	23,955
Honey Tangerines					
2011-2012	1,960	1,173	787	10.66	20,888
2012-2013	1,370	904	466	14.20	19,456
All Tangerines					
2011-2012	4,290	2,838	1,452	8.99	38,376
2012-2013	3,280	2,211	1,069	13.22	43,370
All Citrus					
2011-2012	170,990	(X)	(X)	(X)	1,640,423
2012-2013	156,230	(X)	(X)	(X)	1,116,444

(X) Not applicable.
[1] Fallglo and Sunburst varieties.

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Citrus Production by County and Production Area, by Type – Florida: 2012-2013

County	All Citrus	Oranges			Grapefruit		
		Non-Valencia	Late (Valencia)	All	White	Colored	All
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Brevard	587	267	229	496	14	31	45
Charlotte	3,607	962	1,921	2,883	13	487	500
Collier	9,940	4,016	5,278	9,294	37	433	470
DeSoto	17,865	8,477	8,983	17,460	86	218	304
Glades	2,713	1,463	1,146	2,609	-	39	39
Hardee	13,859	9,908	3,589	13,497	41	127	168
Hendry	20,751	7,471	12,065	19,536	226	734	960
Hernando	199	181	3	184	-	5	5
Highlands	19,073	6,877	11,265	18,142	239	331	570
Hillsborough	2,310	1,659	498	2,157	9	28	37
Indian River	8,253	1,173	1,004	2,177	2,366	3,482	5,848
Lake	3,474	1,741	653	2,394	23	542	565
Lee	3,257	1,042	1,743	2,785	34	334	368
Manatee	6,095	3,837	2,120	5,957	34	55	89
Marion	306	212	37	249	1	19	20
Martin	1,722	418	1,167	1,585	66	57	123
Okeechobee	1,841	695	712	1,407	120	235	355
Orange	1,088	615	372	987	2	47	49
Osceola	2,956	1,567	899	2,466	238	206	444
Pasco	2,474	1,894	465	2,359	2	49	51
Polk	24,596	11,516	10,486	22,002	381	986	1,367
St. Lucie	8,502	751	1,713	2,464	1,286	4,539	5,825
Sarasota	351	114	110	224	30	72	102
Seminole	92	61	14	75	-	9	9
Volusia	176	127	20	147	2	17	19
Other [2]	143	56	8	64	-	18	18
Total	**156,230**	**67,100**	**66,500**	**133,600**	**5,250**	**13,100**	**18,350**
Indian River	16,789	1,800	2,700	4,500	3,700	8,100	11,800
Northern	7,832	4,854	1,565	6,419	28	686	714
Central	46,238	19,746	22,535	42,281	822	1,514	2,336
Western	40,485	24,000	15,300	39,300	200	500	700
Southern	44,886	16,700	24,400	41,100	500	2,300	2,800

See footnote(s) at end of table.

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Each production area showed a decrease in citrus production compared to 2011-2012 except the Southern area which produced nearly 2 million boxes more than the 2011-2012 season. The top 5 citrus producing counties were Polk (24.6 million), Hendry (20.8 million), Highlands (19.1 million), DeSoto (17.9 million), and Hardee (13.9 million). Hendry County had the largest actual increase in production while Polk county production decreased the most. By percentage, Lee County had the greatest increase in production while Seminole County had the greatest decrease.

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 accurate for the counties as at the State or area levels.

Citrus Production by County and Production Area, by Type – Florida: 2012-2013 (continued)

County	Tangerines			Tangelos
	Early [1]	Honey	All	
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Brevard	23	1	24	22
Charlotte	138	71	209	15
Collier	85	80	165	11
DeSoto	26	67	93	8
Glades	19	44	63	2
Hardee	100	59	159	35
Hendry	67	121	188	67
Hernando	8	-	8	2
Highlands	133	187	320	41
Hillsborough	67	26	93	23
Indian River	110	25	135	93
Lake	352	52	404	111
Lee	48	54	102	2
Manatee	9	15	24	25
Marion	31	-	31	6
Martin	1	4	5	9
Okeechobee	38	23	61	18
Orange	27	9	36	16
Osceola	26	6	32	14
Pasco	45	13	58	6
Polk	483	471	954	273
St. Lucie	41	38	79	134
Sarasota	10	3	13	12
Seminole	2	1	3	5
Volusia	4	-	4	6
Other [2]	17	-	17	44
Total	**1,910**	**1,370**	**3,280**	**1,000**
Indian River	160	61	221	268
Northern	477	75	552	147
Central	635	660	1,295	326
Western	212	170	382	103
Southern	426	404	830	156

- Represents zero.
[1] Fallglo and Sunburst varieties.
[2] Citrus, Palm Beach, Pinellas, and Putnam Counties.

Non-Valencia Orange Estimated Boxes of Fruit per Tree, by Age Group by Production Area – Florida: 2008-2009 through 2012-2013

Production Area	Age of trees					Average [1]
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2008-2009	**1.2**	**1.8**	**2.9**	**3.5**	**4.7**	**3.2**
Indian River	0.3	1.2	1.4	2.5	2.8	2.2
Northern & Central	1.2	1.8	3.7	3.9	6.0	3.8
Western	1.6	2.3	3.0	3.7	4.9	3.4
Southern	0.9	1.4	2.4	2.9	3.6	2.6
2009-2010	**1.0**	**1.8**	**2.1**	**2.8**	**4.0**	**2.7**
Indian River	0.2	1.1	0.9	1.5	1.7	1.4
Northern & Central	1.2	2.0	2.6	3.4	5.0	3.3
Western	1.0	2.2	2.4	3.0	4.2	2.8
Southern	0.8	1.2	1.8	2.2	3.2	2.0
2010-2011	**0.8**	**1.6**	**2.1**	**3.0**	**4.2**	**2.8**
Indian River	0.4	0.9	1.1	1.4	2.5	1.7
Northern & Central	1.4	1.8	2.5	3.5	4.9	3.4
Western	0.6	1.7	2.1	3.1	4.0	2.6
Southern	0.6	1.3	1.9	2.6	4.4	2.5
2011-2012	**0.7**	**1.8**	**2.7**	**3.1**	**4.2**	**3.0**
Indian River	0.8	0.7	1.3	1.7	2.0	1.6
Northern & Central	0.7	2.0	2.8	3.7	5.3	3.7
Western	0.4	1.8	3.1	2.9	4.1	2.7
Southern	1.4	1.7	2.3	2.7	3.8	2.7
2012-2013	**0.9**	**1.5**	**2.2**	**2.6**	**4.1**	**2.7**
Indian River	0.3	0.6	1.0	1.0	1.8	1.3
Northern & Central	0.9	1.2	1.9	2.9	4.4	2.9
Western	1.2	1.8	2.6	2.8	4.7	2.9
Southern	0.5	1.1	2.1	2.5	3.7	2.5
Average [1]	**0.9**	**1.7**	**2.4**	**3.0**	**4.2**	**2.9**
Indian River	0.4	1.0	1.1	1.7	2.2	1.7
Northern & Central	1.1	1.8	2.7	3.5	5.0	3.4
Western	1.0	1.9	2.6	3.1	4.4	2.9
Southern	0.8	1.3	2.1	2.6	3.7	2.5

[1] Average weighted by bearing trees.

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 types and age groups 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 by Production Area – Florida: 2008-2009 through 2012-2013

Production Area	Age of trees					Average [1]
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2008-2009	**0.9**	**1.8**	**2.3**	**2.3**	**3.4**	**2.3**
Indian River	1.2	0.7	0.9	1.6	1.9	1.4
Northern & Central	0.9	2.0	2.3	2.6	4.2	2.6
Western	1.2	2.0	2.6	2.6	3.5	2.5
Southern	0.6	1.9	2.4	2.1	3.1	2.1
2009-2010	**1.0**	**1.4**	**2.0**	**1.9**	**2.9**	**1.9**
Indian River	0.6	0.8	0.8	1.1	1.0	1.0
Northern & Central	1.3	1.5	2.6	2.5	4.0	2.6
Western	1.0	1.9	2.1	2.2	3.3	2.2
Southern	0.6	1.2	1.4	1.5	2.0	1.5
2010-2011	**0.5**	**1.2**	**2.1**	**2.2**	**3.1**	**2.1**
Indian River	0.3	0.2	0.7	0.9	1.4	0.9
Northern & Central	0.9	1.7	2.6	2.8	4.2	2.8
Western	0.5	1.2	2.5	2.4	3.0	2.2
Southern	0.1	1.0	1.6	1.9	2.8	1.8
2011-2012	**0.9**	**1.4**	**1.9**	**2.3**	**3.0**	**2.2**
Indian River	0.4	0.9	0.7	1.1	1.2	1.0
Northern & Central	0.9	1.7	2.6	2.9	4.1	2.8
Western	0.9	1.6	2.1	2.6	3.2	2.4
Southern	1.0	0.8	1.5	2.1	2.4	1.9
2012-2013	**0.5**	**1.4**	**1.8**	**2.1**	**2.9**	**2.1**
Indian River	0.2	0.6	0.6	1.1	1.0	0.9
Northern & Central	0.3	1.6	1.8	2.4	3.6	2.4
Western	0.4	1.5	2.0	2.1	2.3	1.9
Southern	0.7	1.3	1.9	2.1	3.1	2.2
Average [1]	**0.8**	**1.5**	**2.0**	**2.1**	**3.0**	**2.1**
Indian River	0.7	0.7	0.7	1.2	1.3	1.1
Northern & Central	0.8	1.7	2.4	2.6	4.0	2.6
Western	0.8	1.6	2.3	2.4	3.0	2.2
Southern	0.6	1.3	1.8	1.9	2.7	1.9

[1] Average weighted by bearing trees.

White Grapefruit Estimated Boxes of Fruit per Tree, by Age Group by Production Area – Florida: 2008-2009 through 2012-2013

Production Area	Age of trees					Average [1]
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2008-2009	**1.1**	**2.3**	**2.8**	**3.8**	**5.1**	**4.0**
Indian River	0.9	2.2	2.1	3.5	4.4	3.5
Northern & Central	1.7	2.7	6.6	5.2	10.0	6.4
Western	(X)	7.0	5.0	3.8	9.2	6.7
Southern	2.3	1.9	6.3	3.7	3.5	3.6
2009-2010	**0.9**	**1.9**	**3.3**	**3.7**	**5.4**	**4.1**
Indian River	0.9	1.3	3.3	3.2	4.8	3.7
Northern & Central	0.4	2.6	3.3	4.8	8.8	5.6
Western	(X)	7.7	(X)	7.6	6.9	7.4
Southern	(X)	2.7	4.0	4.2	5.9	4.5
2010-2011	**1.6**	**2.6**	**2.0**	**3.7**	**5.5**	**4.1**
Indian River	1.7	3.2	1.7	3.2	5.4	3.8
Northern & Central	1.0	0.7	3.4	6.4	8.0	6.1
Western	4.0	(X)	(X)	5.6	3.2	4.2
Southern	(X)	1.8	5.0	3.1	2.5	2.9
2011-2012	**1.3**	**2.6**	**3.1**	**3.1**	**5.5**	**3.9**
Indian River	0.8	2.9	3.1	2.8	5.6	3.8
Northern & Central	0.4	1.2	3.3	4.2	6.7	4.9
Western	3.6	(X)	(X)	6.5	2.4	4.0
Southern	(X)	2.7	0.7	3.5	2.8	3.2
2012-2013	**2.6**	**2.8**	**2.0**	**3.6**	**4.9**	**4.0**
Indian River	1.5	2.7	1.9	3.4	4.3	3.6
Northern & Central	0.8	2.4	3.4	3.0	6.8	4.8
Western	9.3	(X)	(X)	11.0	6.0	8.3
Southern	(X)	(X)	0.7	6.3	6.3	5.9
Average [1]	**1.4**	**2.4**	**2.7**	**3.6**	**5.3**	**4.0**
Indian River	1.0	2.3	2.4	3.2	4.9	3.7
Northern & Central	0.9	2.0	4.2	4.9	7.9	5.6
Western	5.9	7.3	5.0	6.8	5.5	6.2
Southern	2.3	2.2	2.6	4.1	4.2	4.0

(X) Not applicable.
[1] Average weighted by bearing trees.

Colored Grapefruit Estimated Boxes of Fruit per Tree, by Age Group by Production Area – Florida: 2008-2009 through 2012-2013

Production Area	Age of trees					Average [1]
	3 – 5 years	6 – 8 years	9 – 13 years	14 – 23 years	24 years and older	
	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)	(boxes per tree)
2008-2009	**1.4**	**1.3**	**2.8**	**3.7**	**5.2**	**3.8**
Indian River	1.3	0.9	2.9	2.9	5.1	3.5
Northern & Central	2.9	3.2	4.7	6.4	6.6	6.2
Western	4.6	1.9	5.8	5.9	9.2	5.6
Southern	1.1	2.8	1.9	3.9	7.6	3.7
2009-2010	**1.3**	**3.0**	**2.8**	**3.6**	**5.3**	**3.8**
Indian River	1.2	3.1	2.8	3.0	5.2	3.7
Northern & Central	2.4	3.8	2.9	6.0	8.8	5.9
Western	2.6	2.8	5.0	3.0	4.2	3.1
Southern	1.1	1.6	2.4	3.7	7.0	3.5
2010-2011	**1.8**	**1.4**	**3.4**	**3.8**	**5.0**	**3.9**
Indian River	2.1	1.2	3.5	3.4	4.9	3.8
Northern & Central	1.9	2.9	4.8	6.4	7.6	6.1
Western	0.6	3.0	2.9	3.8	4.0	2.9
Southern	2.2	1.5	2.6	3.0	7.1	3.1
2011-2012	**1.4**	**2.2**	**2.9**	**4.0**	**4.4**	**3.8**
Indian River	1.6	2.2	2.8	3.3	4.3	3.6
Northern & Central	0.8	2.8	7.6	8.5	6.5	7.2
Western	0.2	1.3	1.7	2.6	0.9	1.6
Southern	2.2	1.9	2.2	3.3	6.4	3.3
2012-2013	**1.7**	**1.6**	**2.6**	**3.6**	**4.7**	**3.7**
Indian River	1.0	1.0	2.3	2.7	4.2	3.1
Northern & Central	2.2	3.4	4.3	6.1	8.8	6.3
Western	3.4	4.3	5.5	3.2	4.9	4.0
Southern	2.6	4.0	2.0	4.6	7.3	4.6
Average [1]	**1.5**	**1.9**	**2.9**	**3.7**	**4.9**	**3.8**
Indian River	1.4	1.7	2.8	3.1	4.7	3.5
Northern & Central	1.9	3.2	4.8	6.7	7.9	6.3
Western	1.6	2.7	3.8	3.9	4.4	3.4
Southern	1.9	2.4	2.3	3.7	7.1	3.6

[1] Average weighted by bearing trees.

Citrus Equivalent Return per Box, by Variety and Utilization – Florida: Crop Years 2010-2011 through 2012-2013

[2010-2011 and 2011-2012 revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2012-2013 preliminary price based on cash sales only]

Fruit type	Methods of sale			Fruit type	Methods of sale		
	Fresh	Processing	All		Fresh	Processing	All
	(dollars)	(dollars)	(dollars)		(dollars)	(dollars)	(dollars)
Oranges				**Grapefruit**			
Navel				White			
2010-2011	12.15	2.00	10.71	2010-2011	13.20	3.34	5.66
2011-2012	11.95	3.91	10.46	2011-2012	12.05	4.56	6.17
2012-2013	15.25	0.45	12.66	2012-2013	12.35	3.63	5.30
Non-Valencia, excl. Navel				Colored			
2010-2011	7.55	6.95	6.97	2010-2011	10.55	3.73	7.17
2011-2012	8.35	8.80	8.79	2011-2012	10.40	4.72	7.57
2012-2013	8.55	5.60	5.69	2012-2013	10.80	1.63	6.36
Non-Valencia				All Grapefruit			
2010-2011	10.05	6.93	7.11	2010-2011	10.99	3.58	6.72
2011-2012	10.35	8.80	8.88	2011-2012	10.64	4.66	7.17
2012-2013	11.85	5.58	5.93	2012-2013	11.00	2.43	6.06
Valencia				**Tangerines**			
2010-2011	10.20	9.70	9.71	Early [1]			
2011-2012	10.55	11.00	10.99	2010-2011	13.00	2.19	9.43
2012-2013	9.25	8.30	8.33	2011-2012	8.65	4.58	7.49
All Oranges				2012-2013	17.95	0.82	12.54
2010-2011	10.10	8.34	8.41	Honey			
2011-2012	10.42	9.90	9.92	2010-2011	15.50	4.18	11.17
2012-2013	10.84	6.95	7.12	2011-2012	14.05	5.60	10.66
Tangelos				2012-2013	19.95	3.05	14.20
2010-2011	7.30	4.51	5.58	All Tangerines			
2011-2012	13.70	7.20	9.65	2010-2011	14.10	3.14	10.23
2012-2013	16.80	4.27	10.21	2011-2012	10.95	5.15	8.99
				2012-2013	18.75	1.79	13.22

[1] Fallglo and Sunburst varieties.

Citrus Bearing Trees by Variety and Age Group – Florida: Crop Year 2012-2013

Fruit type	Age 1 2007-2009	Age 2 2004-2006	Age 3 1999-2003	Age 4 1989-1998	Age 5 1988 and earlier	Total Bearing trees
	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)	(1,000 trees)
Non-Valencia Oranges	2,310	2,807	4,237	9,213	6,963	24,810
Valencia Oranges	2,296	1,946	5,053	15,812	7,228	32,335
White Grapefruit	25	21	93	695	492	1,326
Colored Grapefruit	259	243	247	1,420	1,402	3,571