



CITRUS

**2013-2014 CITRUS SUMMARY
PRODUCTION, PRICE AND VALUE
PRODUCTION BY COUNTY AND PER TREE**

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September 18, 2014

All Citrus Production Down 21 Percent, Value Down 19 Percent

The \$946 million preliminary on-tree value of the 2013-2014 citrus crop is 19 percent less than the revised value of \$1.16 billion for 2012-2013. Florida accounted for 59 percent of the total U.S. citrus production in 2013-2014 with 124.0 million boxes, down 21 percent from the previous season's 156.2 million boxes. Production decreased for all citrus varieties when compared to last season.

All orange production decreased by 22 percent to 104.6 million boxes. Navel production is 1.93 million boxes, down 12 percent from the 2012-2013 season. Only the fresh use of Valencia oranges is up compared to last season. All grapefruit production is down 15 percent to 15.7 million boxes. Tangelo production is down 12 percent. Production of early tangerines is down 8 percent and Honey tangerine production is down 16 percent, resulting in a 12 percent decrease in all tangerines.

The 2013-2014 price per box is higher for oranges, white grapefruit, and tangerines, but lower for colored grapefruit and tangelos. Only the tangerines have a higher value this season. Prices in this report are preliminary for 2013-2014, but revised prices are shown for 2012-2013.

Citrus Production, Utilization, Price, and Value, by Variety – Florida: Crop Years 2012-2013 and 2013-2014

Variety	Production (1,000 boxes)	Crop utilization		On-tree	
		Fresh use (1,000 boxes)	Processing (1,000 boxes)	Price per box (dollars)	Value of Production (1,000 dollars)
Non-Valencia Oranges					
2012-2013	67,100	3,695	63,405	6.25	419,144
2013-2014	53,300	3,224	50,076	6.53	348,182
Valencia Oranges					
2012-2013	66,500	2,279	64,221	8.62	573,382
2013-2014	51,300	2,322	48,978	8.66	444,504
All Oranges					
2012-2013	133,600	5,974	127,626	7.43	992,526
2013-2014	104,600	5,546	99,054	7.58	792,686
White Grapefruit					
2012-2013	5,250	1,001	4,249	5.41	28,423
2013-2014	4,150	790	3,360	5.94	24,670
Colored Grapefruit					
2012-2013	13,100	6,742	6,358	6.89	90,235
2013-2014	11,500	5,901	5,599	6.62	76,127
All Grapefruit					
2012-2013	18,350	7,743	10,607	6.47	118,658
2013-2014	15,650	6,691	8,959	6.44	100,797
Tangelos					
2012-2013	1,000	474	526	10.21	10,209
2013-2014	880	394	486	8.40	7,394
Early Tangerines ¹					
2012-2013	1,910	1,307	603	12.54	23,955
2013-2014	1,750	1,183	567	14.87	26,016
Honey Tangerines					
2012-2013	1,370	904	466	14.20	19,456
2013-2014	1,150	762	388	16.97	19,518
All Tangerines					
2012-2013	3,280	2,211	1,069	13.22	43,370
2013-2014	2,900	1,945	955	15.72	45,577
All Citrus					
2012-2013	156,230	(X)	(X)	(X)	1,164,763
2013-2014	124,030	(X)	(X)	(X)	946,454

X Not applicable.

¹ Fallglo and Sunburst varieties.

Citrus Production by County and Production Area, by Type – Florida: 2013-2014

County	All Citrus (1,000 boxes)	Oranges			Grapefruit		
		Non-Valencia (1,000 boxes)	Late (Valencia) (1,000 boxes)	All (1,000 boxes)	White (1,000 boxes)	Colored (1,000 boxes)	All (1,000 boxes)
Brevard.....	478	236	188	424	10	17	27
Charlotte.....	2,799	797	1,531	2,328	5	316	321
Collier.....	7,944	3,502	4,018	7,520	13	278	291
DeSoto.....	13,708	6,136	7,383	13,519	53	44	97
Glades.....	2,186	1,220	905	2,125	-	18	18
Hardee.....	10,505	7,274	3,020	10,294	26	29	55
Hendry.....	16,331	6,406	9,141	15,547	93	439	532
Hernando.....	168	151	2	153	-	5	5
Highlands.....	14,857	5,674	8,373	14,047	176	310	486
Hillsborough.....	1,556	1,099	360	1,459	6	5	11
Indian River.....	7,807	1,161	832	1,993	1,988	3,662	5,650
Lake.....	2,823	1,335	630	1,965	32	288	320
Lee.....	2,627	971	1,381	2,352	11	180	191
Manatee.....	4,443	2,616	1,753	4,369	14	7	21
Marion.....	268	180	35	215	2	9	11
Martin.....	1,117	281	738	1,019	61	30	91
Okeechobee.....	1,337	568	515	1,083	46	147	193
Orange.....	776	397	299	696	2	19	21
Osceola.....	2,316	1,256	648	1,904	171	196	367
Pasco.....	1,686	1,181	430	1,611	2	13	15
Polk.....	19,891	9,854	7,653	17,507	281	949	1,230
St. Lucie.....	7,840	722	1,344	2,066	1,155	4,484	5,639
Sarasota.....	191	72	84	156	1	15	16
Seminole.....	77	50	13	63	-	4	4
Volusia.....	161	114	17	131	2	21	23
Other ²	138	47	7	54	-	15	15
Total.....	124,030	53,300	51,300	104,600	4,150	11,500	15,650
Indian River.....	15,719	1,800	2,200	4,000	3,200	8,200	11,400
Northern.....	5,972	3,424	1,429	4,853	38	351	389
Central.....	36,722	16,576	16,571	33,147	612	1,449	2,061
Western.....	30,406	17,200	12,600	29,800	100	100	200
Southern.....	35,211	14,300	18,500	32,800	200	1,400	1,600

See footnote(s) at end of table.

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Each production area and county showed a decrease in citrus production compared to 2012-2013. The top 5 citrus producing counties were Polk (19.9 million boxes), Hendry (16.3 million), Highlands (14.9 million), DeSoto (13.7 million), and Hardee (10.5 million). Polk County had the largest loss in production (4.7 million). By percentage, Sarasota County had the greatest decrease, with 46 percent fewer boxes produced. By production area, the Western area showed the greatest loss in both actual production (10.1 million boxes) and percentage (25 percent fewer boxes), while the Indian River changed the least, with a decrease of 1.1 million boxes.

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: 2013-2014

(continued)

County	Tangerines			Tangelos
	Early ¹	Honey	All	
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Brevard	13	1	14	13
Charlotte	75	55	130	20
Collier.....	48	75	123	10
DeSoto.....	24	62	86	6
Glades.....	8	33	41	2
Hardee	60	61	121	35
Hendry	39	141	180	72
Hernando	6	1	7	3
Highlands.....	162	133	295	29
Hillsborough.....	38	23	61	25
Indian River.....	87	30	117	47
Lake.....	331	47	378	160
Lee.....	40	42	82	2
Manatee.....	6	15	21	32
Marion.....	34	-	34	8
Martin.....	-	3	3	4
Okeechobee.....	18	21	39	22
Orange.....	30	4	34	25
Osceola.....	27	5	32	13
Pasco.....	38	12	50	10
Polk.....	597	350	947	207
St. Lucie.....	38	35	73	62
Sarasota.....	7	-	7	12
Seminole.....	2	1	3	7
Volusia.....	4	-	4	3
Other ²	18	-	18	51
Total	1,750	1,150	2,900	880
Indian River.....	129	63	192	127
Northern.....	449	65	514	216
Central.....	783	484	1,267	247
Western.....	135	161	296	110
Southern.....	254	377	631	180

- 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: 2009-2010 through 2013-2014

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)
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
2013-2014	0.7	0.9	1.7	2.2	3.2	2.2
Indian River	0.3	0.8	1.3	1.2	1.7	1.4
Northern & Central.....	0.8	1.1	1.5	2.4	3.5	2.4
Western	0.9	0.8	1.8	2.1	3.3	2.1
Southern.....	0.3	1.1	1.9	2.2	3.1	2.2
Average ¹	0.8	1.5	2.2	2.8	3.9	2.7
Indian River	0.4	0.9	1.1	1.4	1.9	1.5
Northern & Central.....	1.0	1.6	2.3	3.2	4.5	3.1
Western	0.8	1.7	2.4	2.8	4.0	2.6
Southern.....	0.6	1.3	2.0	2.5	3.6	2.4

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: 2009-2010 through 2013-2014**

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)
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
2013-2014	0.5	0.8	1.4	1.6	2.2	1.6
Indian River	0.3	0.7	0.3	1.0	1.0	0.8
Northern & Central	0.4	0.9	1.4	1.8	2.6	1.8
Western.....	0.3	0.8	1.3	1.7	2.3	1.6
Southern	0.7	0.8	1.8	1.6	2.1	1.7
Average ¹	0.7	1.3	1.9	2.0	2.8	2.0
Indian River	0.4	0.7	0.6	1.0	1.1	0.9
Northern & Central	0.7	1.5	2.3	2.5	3.6	2.5
Western.....	0.6	1.4	2.1	2.2	2.7	2.1
Southern	0.6	1.1	1.6	1.8	2.5	1.8

¹ Average weighted by bearing trees.

**White Grapefruit Estimated Boxes of Fruit per Tree, by Age Group by
Production Area – Florida: 2008-2009 through 2013-2014**

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)
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
2013-2014	1.0	1.9	1.5	3.5	3.5	3.3
Indian River	1.1	0.8	1.5	3.7	3.2	3.2
Northern & Central.....	0.9	1.7	1.8	2.6	5.6	3.8
Western	(X)	3.5	(X)	7.7	3.8	5.3
Southern.....	(X)	(X)	0.8	2.0	2.8	2.4
Average ¹	1.4	2.3	2.4	3.5	4.9	3.9
Indian River	1.1	2.3	2.3	3.2	4.5	3.6
Northern & Central.....	0.7	1.7	3.1	4.6	7.0	5.1
Western	5.9	5.3	(X)	7.6	4.5	5.9
Southern.....	(X)	2.4	1.5	4.0	3.8	3.8

X Not applicable.

¹ Average weighted by bearing trees.

Colored Grapefruit Estimated Boxes of Fruit per Tree, by Age Group by Production Area – Florida: 2009-2010 through 2013-2014

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)
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
2013-2014	1.3	1.7	2.4	3.0	4.3	3.3
Indian River	0.9	1.2	2.5	2.8	4.3	3.3
Northern & Central.....	2.9	2.1	2.5	5.4	6.4	5.1
Western.....	0.0	0.4	1.5	0.8	1.0	0.8
Southern.....	1.6	4.5	2.0	2.6	2.9	2.7
Average ¹	1.5	1.9	2.8	3.6	4.7	3.7
Indian River	1.3	1.7	2.7	3.1	4.5	3.5
Northern & Central.....	2.2	3.0	4.2	6.5	7.5	6.1
Western.....	1.4	1.8	3.0	3.0	2.7	2.5
Southern.....	1.9	2.9	2.3	3.4	5.5	3.4

¹ Average weighted by bearing trees.

Citrus Equivalent Return per Box, by Variety and Utilization – Florida: Crop Years 2011-2012 through 2013-2014

[2011-2012 and 2012-2013 revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2013-2014 preliminary price based on cash sales only]

Fruit type	Methods of sale			Fruit type	Methods of sale		
	Fresh (dollars)	Processing (dollars)	All (dollars)		Fresh (dollars)	Processing (dollars)	All (dollars)
Oranges				Grapefruit			
Navel				White			
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	3.78	5.41
2013-2014	17.65	2.07	14.21	2013-2014	15.15	3.78	5.94
Non-Valencia, excl. Navel				Colored			
2011-2012	8.35	8.80	8.79	2011-2012	10.40	4.72	7.57
2012-2013	8.55	5.94	6.02	2012-2013	10.80	2.74	6.89
2013-2014	9.45	6.12	6.23	2013-2014	11.80	1.16	6.62
Non-Valencia				All Grapefruit			
2011-2012	10.35	8.80	8.88	2011-2012	10.64	4.66	7.17
2012-2013	11.85	5.92	6.25	2012-2013	11.00	3.16	6.47
2013-2014	13.25	6.10	6.53	2013-2014	12.20	2.14	6.44
Valencia				Tangerines			
2011-2012	10.55	11.00	10.99	Early ¹			
2012-2013	9.25	8.60	8.62	2011-2012	8.65	4.58	7.49
2013-2014	14.25	8.40	8.66	2012-2013	17.95	0.82	12.54
All Oranges				2013-2014	20.75	2.59	14.87
2011-2012	10.42	9.90	9.92	Honey			
2012-2013	10.86	7.27	7.43	2011-2012	14.05	5.60	10.66
2013-2014	13.67	7.24	7.58	2012-2013	19.95	3.05	14.20
Tangelos				2013-2014	23.75	3.66	16.97
2011-2012	13.70	7.20	9.65	All Tangerines			
2012-2013	16.80	4.27	10.21	2011-2012	10.95	5.15	8.99
2013-2014	12.60	5.00	8.40	2012-2013	18.75	1.79	13.22
				2013-2014	21.95	3.02	15.72

¹ Fallglo and Sunburst varieties.

Citrus Bearing Trees by Variety and Age Group – Florida: Crop Year 2013-2014

Fruit type	Age 1 2008-2010	Age 2 2005-2007	Age 3 2000-2004	Age 4 1990-1999	Age 5 1989 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	2,406	1,888	3,905	8,042	7,944	24,185
Valencia Oranges	2,488	1,863	4,242	14,180	8,931	31,704
White Grapefruit	30	16	91	454	673	1,264
Colored Grapefruit	295	210	296	1,157	1,522	3,480