



CITRUS

2017-2018 CITRUS SUMMARY
PRODUCTION, PRICE AND VALUE
PRODUCTION BY COUNTY AND PER TREE

Cooperating with the Florida Department of Agriculture and Consumer Services
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All Citrus Production Down 37 Percent, Value Down 41 Percent

The \$551 million preliminary on-tree value of the 2017-2018 citrus crop is 41 percent less than the \$927 million revised value for 2016-2017 crop and is the lowest since the \$530 million crop value of the 1976-1977 season.

Florida's all citrus production in 2017-2018 was 49.6 million boxes, down 37 percent from the previous season's 78.2 million boxes. All orange production decreased by 35 percent to 45.0 million boxes. Non-Valencia production at 19.0 million boxes is down 43 percent from the 2016-2017 season. Valencia orange production at 26.0 million boxes is down 27 percent. All grapefruit production decreased 50 percent to 3.88 million boxes. Even while including all classified varieties of tangerines and tangelos in 2017-2018, combined production is less than last season.

Citrus Production, Utilization, Price, and Value, by Variety – Florida: Crop Years 2016-2017 and 2017-2018

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					
2016-2017.....	33,000	1,503	31,497	10.50	346,599
2017-2018.....	18,950	1,316	17,634	8.66	164,037
Valencia Oranges					
2016-2017.....	35,850	1,300	34,550	13.02	466,913
2017-2018.....	26,000	1,446	24,554	11.77	306,093
All Oranges					
2016-2017.....	68,850	2,803	66,047	11.82	813,512
2017-2018.....	44,950	2,762	42,188	10.46	470,130
White Grapefruit					
2016-2017.....	1,480	406	1,074	9.78	14,471
2017-2018.....	700	189	511	14.61	10,230
Red Grapefruit					
2016-2017.....	6,280	3,131	3,149	11.31	71,037
2017-2018.....	3,180	1,555	1,625	16.96	53,938
All Grapefruit					
2016-2017.....	7,760	3,537	4,223	11.02	85,508
2017-2018.....	3,880	1,744	2,136	16.54	64,168
Tangelos					
2016-2017.....	280	160	120	19.05	5,334
2017-2018.....	145	81	64	16.55	2,400
Early Tangerines ¹					
2016-2017.....	600	394	206	21.66	12,993
2017-2018.....	200	151	49	25.30	5,060
Royal Tangerines					
2016-2017.....	210	40	170	7.30	1,534
2017-2018.....	65	25	40	13.49	877
Honey Tangerines					
2016-2017.....	530	260	270	15.99	8,477
2017-2018.....	150	93	57	21.31	3,197
Other Tangerines ²					
2017-2018.....	190	136	54	29.20	5,548
All Tangerines and Tangelos ³					
2016-2017.....	1,620	854	766	17.23	27,914
2017-2018.....	750	486	264	22.51	16,882
All Citrus					
2016-2017.....	78,230	(X)	(X)	(X)	926,934
2017-2018.....	49,580	(X)	(X)	(X)	551,180

X Not applicable.

¹ Fallglo and Sunburst varieties.

² Includes Autumn Honey, Orri, Osceola, Roe, Tango and other minor tangerine varieties.

³ Includes all certified tangerines and tangelos in 2017-2018.

Citrus Production by County and Production Area, by Type – Florida: 2017-2018

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)	Red (1,000 boxes)	All (1,000 boxes)
Brevard	56	30	21	51	-	3	3
Charlotte	890	179	642	821	1	51	52
Collier.....	2,153	651	1,437	2,088	4	40	44
DeSoto.....	7,751	3,599	4,089	7,688	-	50	50
Glades.....	370	157	211	368	-	-	-
Hardee	5,362	3,772	1,534	5,306	-	35	35
Hendry	4,785	1,287	3,365	4,652	26	65	91
Hernando	40	39	-	39	-	-	-
Highlands	7,933	2,209	5,634	7,843	12	5	17
Hillsborough	312	201	103	304	-	3	3
Indian River.....	2,638	421	399	820	345	1,362	1,707
Lake	676	395	172	567	6	19	25
Lee.....	685	174	467	641	4	28	32
Manatee	1,611	880	722	1,602	-	4	4
Marion.....	81	57	12	69	-	1	1
Martin.....	252	32	219	251	-	-	-
Okeechobee.....	185	41	94	135	12	21	33
Orange	118	72	36	108	-	2	2
Osceola.....	842	420	397	817	14	4	18
Pasco.....	210	189	16	205	-	1	1
Polk.....	9,260	3,849	5,152	9,001	24	12	36
St. Lucie	3,173	195	1,216	1,411	252	1,450	1,702
Sarasota.....	106	33	46	79	-	22	22
Seminole	24	18	4	22	-	-	-
Volusia	54	39	12	51	-	2	2
Other ²	13	11	-	11	-	-	-
Total.....	49,580	18,950	26,000	44,950	700	3,180	3,880
Indian River.....	5,800	598	1,622	2,220	592	2,815	3,407
Northern.....	1,205	815	247	1,062	6	23	29
Central	17,937	6,437	11,134	17,571	44	20	64
Western.....	15,142	8,485	6,494	14,979	-	114	114
Southern	9,496	2,615	6,503	9,118	58	208	266

See footnote(s) at end of table.

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The top 5 citrus producing counties were Polk (9.26 million), Highlands (7.93 million boxes), DeSoto (7.75 million), Hardee (5.36 million) and Hendry (4.79 million). Together they account for 71 percent of the state’s total citrus production. The Central area had the most citrus, followed by the Western and Southern areas. Oranges constituted 90 percent of the citrus production, grapefruit accounted for 8 percent, and tangerines and tangelos represented 2 percent.

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 precise for the counties as at the state or area levels.

Citrus Production by County and Production Area, by Type – Florida: 2017-2018 (continued)

County	Tangerines				Tangelos	All Tangerines and Tangelos
	Early ¹	Royal	Honey	Other ²		
	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)
Brevard.....	1	-	-	-	1	2
Charlotte.....	9	-	(D)	(D)	-	17
Collier.....	7	10	(D)	(D)	-	21
DeSoto.....	1	1	8	1	2	13
Glades.....	-	-	2	-	-	2
Hardee.....	5	-	10	-	6	21
Hendry.....	5	18	7	9	3	42
Hernando.....	1	-	-	-	-	1
Highlands.....	23	(D)	22	(D)	10	73
Hillsborough.....	3	-	1	-	1	5
Indian River.....	12	2	8	72	17	111
Lake.....	35	1	1	14	33	84
Lee.....	9	-	3	-	-	12
Manatee.....	-	(D)	(D)	-	1	5
Marion.....	7	-	-	1	3	11
Martin.....	-	1	-	-	-	1
Okeechobee.....	1	(D)	-	13	1	(D)
Orange.....	3	-	-	1	4	8
Osceola.....	4	-	-	1	2	7
Pasco.....	3	-	-	-	1	4
Polk.....	65	13	58	64	23	223
St. Lucie.....	5	2	20	1	32	60
Sarasota.....	-	2	-	-	3	5
Seminole.....	-	-	-	-	2	2
Volusia.....	1	-	-	-	-	1
Other ³	-	-	-	(D)	-	(D)
Total.....	200	65	150	190	145	750
Indian River.....	18	4	28	73	50	173
Northern.....	50	1	1	19	43	114
Central.....	92	25	80	70	35	302
Western.....	9	4	22	1	13	49
Southern.....	31	31	19	27	4	112

- Represents zero.

D Withheld to avoid disclosing data for individual operations.

¹ Fallglo and Sunburst varieties.

² Includes Autumn Honey, Orri, Osceola, Roe, Tango and other minor tangerine varieties.

³ Alachua, Citrus and Putnam Counties

Non-Valencia Orange Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida: 2013-2014 through 2017-2018

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)
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
2014-2015	0.8	1.0	1.5	2.0	2.9	2.0
Indian River	0.2	0.6	1.2	1.3	1.8	1.5
Northern & Central.....	0.7	0.8	1.4	2.0	2.8	2.0
Western.....	0.9	1.2	1.7	1.9	3.0	2.0
Southern.....	1.0	1.0	1.2	2.3	3.1	2.2
2015-2016	0.5	1.1	1.3	1.5	2.2	1.6
Indian River	0.3	0.3	0.8	1.1	1.4	1.2
Northern & Central.....	0.5	0.9	0.8	1.5	2.0	1.5
Western.....	0.6	1.1	1.2	1.8	2.4	1.7
Southern.....	0.5	1.6	1.9	1.4	2.4	1.8
2016-2017	0.5	0.9	1.4	1.6	2.1	1.6
Indian River	0.6	0.6	0.8	0.5	1.4	1.0
Northern & Central.....	0.5	0.8	1.2	1.7	2.1	1.6
Western.....	0.5	0.9	1.5	1.8	2.2	1.6
Southern.....	0.4	1.1	1.4	1.4	2.1	1.5
2017-2018	0.3	0.4	1.0	1.0	1.2	0.9
Indian River	0.3	0.6	0.8	1.0	1.4	1.0
Northern & Central.....	0.4	0.6	0.9	1.3	1.4	1.1
Western.....	0.3	0.6	1.2	1.2	1.4	1.1
Southern.....	0.2	(X)	0.2	0.6	0.6	0.4
Average ¹	0.6	0.9	1.4	1.7	2.3	1.7
Indian River	0.4	0.6	1.1	1.1	1.6	1.3
Northern & Central.....	0.6	0.8	1.2	1.9	2.4	1.8
Western.....	0.6	0.9	1.5	1.8	2.4	1.7
Southern.....	0.5	0.9	1.4	1.7	2.2	1.6

¹ Average weighted by bearing trees.
X Not applicable.

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 type and age group 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 and Production Area – Florida:
2013-2014 through 2017-2018**

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)
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
2014-2015	0.7	0.8	1.4	1.6	2.0	1.6
Indian River	0.7	0.7	1.3	1.1	1.1	1.1
Northern & Central	0.8	0.6	1.4	1.5	2.3	1.7
Western.....	0.5	1.0	1.3	1.6	2.0	1.5
Southern	0.7	1.0	1.5	1.7	2.0	1.7
2015-2016	0.5	1.0	1.4	1.6	1.8	1.5
Indian River	0.8	0.7	0.9	1.3	1.5	1.3
Northern & Central	(J)	0.7	1.3	1.5	1.8	1.4
Western.....	0.7	0.9	1.4	1.5	2.0	1.5
Southern	0.7	1.2	1.6	1.9	1.8	1.7
2016-2017	0.4	0.9	1.1	1.4	1.4	1.2
Indian River	0.9	0.7	1.4	0.7	1.3	1.1
Northern & Central	0.1	1.0	1.1	1.4	1.6	1.3
Western.....	0.3	0.9	1.1	1.6	1.4	1.3
Southern	0.6	0.8	1.1	1.4	1.3	1.2
2017-2018	0.5	0.6	0.7	1.0	1.0	0.9
Indian River	1.0	1.1	1.1	1.3	1.2	1.2
Northern & Central	0.8	0.6	0.9	1.3	1.6	1.3
Western.....	0.2	0.4	0.8	1.0	0.9	0.8
Southern	0.4	0.8	0.4	0.7	0.6	0.6
Average ¹	0.5	0.8	1.2	1.5	1.6	1.4
Indian River	0.8	0.7	0.9	1.0	1.2	1.1
Northern & Central	0.4	0.8	1.3	1.5	1.9	1.5
Western.....	0.4	0.8	1.2	1.5	1.7	1.3
Southern	0.6	0.9	1.4	1.5	1.5	1.4

J Less than one- tenth of the unit shown.

¹ Average weighted by bearing trees.

**White Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2013-2014 through 2017-2018**

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)
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
2014-2015	0.3	1.7	2.0	1.9	3.3	2.8
Indian River	0.4	1.5	1.7	1.8	3.2	2.8
Northern & Central	0.3	1.8	1.7	1.5	4.3	3.0
Western	(X)	(X)	(X)	3.7	2.4	3.1
Southern	-	(X)	5.2	3.1	2.1	2.6
2015-2016	0.6	1.5	1.7	1.6	3.0	2.5
Indian River	1.3	2.1	1.2	1.7	3.1	2.7
Northern & Central	-	0.8	2.6	0.5	1.9	1.5
Western	(X)	(X)	(X)	1.0	2.3	1.4
Southern	1.0	(X)	2.4	2.2	3.5	3.1
2016-2017	0.2	0.6	1.8	0.9	2.0	1.8
Indian River	-	0.6	0.9	0.8	2.1	1.8
Northern & Central	-	0.5	3.9	1.0	1.7	1.5
Western	(X)	(X)	(X)	1.8	3.3	2.5
Southern	1.0	(X)	1.3	1.7	1.8	1.7
2017-2018	0.3	0.3	0.6	0.9	1.1	1.0
Indian River	0.2	0.3	0.6	0.9	1.2	1.1
Northern & Central	0.3	0.2	0.5	0.8	0.7	0.6
Western	(X)	(X)	(X)	-	(X)	-
Southern	(X)	1.0	(X)	1.2	1.2	1.2
Average ¹	0.5	1.2	1.7	2.3	2.7	2.5
Indian River	0.7	1.2	1.4	2.4	2.6	2.5
Northern & Central	0.4	1.0	2.1	1.5	3.1	2.4
Western	(X)	3.5	(X)	3.4	3.0	3.3
Southern	0.7	1.0	2.5	2.3	2.3	2.3

- Represents zero.

X Not applicable.

¹ Average weighted by bearing trees.

**Red Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2013-2014 through 2017-2018**

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)
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.....	-	0.4	1.5	0.8	1.0	0.8
Southern.....	1.6	4.5	2.0	2.6	2.9	2.7
2014-2015	0.8	1.8	3.2	2.4	3.8	2.9
Indian River	0.8	2.0	3.4	2.5	3.8	3.1
Northern & Central.....	0.7	1.5	1.8	3.3	4.0	3.0
Western.....	0.3	1.7	6.3	3.3	5.1	3.6
Southern.....	0.9	1.7	1.8	1.9	2.0	1.8
2015-2016	0.9	1.9	2.2	1.9	3.5	2.6
Indian River	0.9	0.6	2.6	2.7	3.9	3.0
Northern & Central.....	0.4	0.8	0.8	1.1	3.1	2.0
Western.....	1.2	1.3	3.0	3.6	3.4	2.5
Southern.....	0.9	6.6	0.7	0.6	1.0	1.2
2016-2017	0.9	2.0	1.2	1.8	2.6	2.1
Indian River	1.0	2.3	1.3	2.0	2.9	2.4
Northern & Central.....	0.2	1.3	1.2	1.9	3.0	2.4
Western.....	0.8	2.0	1.5	1.3	3.2	2.0
Southern.....	0.5	0.9	0.7	1.1	1.2	1.0
2017-2018	0.7	0.4	0.5	1.2	1.4	1.1
Indian River	0.8	0.4	0.6	1.6	1.8	1.5
Northern & Central.....	0.1	0.1	0.1	0.2	0.2	0.2
Western.....	0.4	1.0	1.0	-	1.5	0.9
Southern.....	0.5	0.3	0.4	0.3	0.5	0.4
Average ¹	0.9	1.5	2.0	2.4	3.1	2.5
Indian River	0.9	1.3	2.3	2.5	3.4	2.7
Northern & Central.....	1.3	1.1	1.3	3.4	3.2	2.7
Western.....	0.6	1.1	1.7	2.3	2.8	1.9
Southern.....	0.8	2.5	1.1	1.7	1.2	1.4

- Represents zero.

¹ Average weighted by bearing trees.

Citrus Equivalent Return per Box, by Variety and Utilization – Florida: Crop Years 2015-2016 through 2017-2018

[2015-2016 and 2016-2017 are revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2017-2018 preliminary prices are 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				Tangerines and Tangelos			
Navel				Early ³			
2015-2016	22.85	3.51	17.39	2015-2016	25.90	3.27	18.95
2016-2017	22.90	5.30	16.43	2016-2017	31.20	3.40	21.66
2017-2018	26.00	4.30	18.32	2017-2018	32.30	2.80	25.30
Non-Val (Excl. Navel) ¹				Royal ¹			
2015-2016	14.35	8.45	8.70	2015-2016	(X)	(X)	(X)
2016-2017	15.30	10.25	10.41	2016-2017	17.30	4.95	7.30
2017-2018	19.10	7.80	8.41	2017-2018	22.20	8.05	13.49
Non-Valencia ¹				Other Tangerines			
2015-2016	17.25	8.45	8.99	2015-2016	(X)	(X)	(X)
2016-2017	17.90	10.15	10.50	2016-2017	(X)	(X)	(X)
2017-2018	20.80	7.75	8.66	2017-2018	39.60	3.00	29.20
Valencia				Honey			
2015-2016	12.45	10.55	10.62	2015-2016	24.40	4.42	17.55
2016-2017	17.65	12.85	13.02	2016-2017	28.50	3.95	15.99
2017-2018	20.65	11.25	11.77	2017-2018	32.50	3.05	21.31
All Oranges ¹				All Tangerines ¹			
2015-2016	15.14	9.63	9.90	2015-2016	25.20	3.81	18.29
2016-2017	17.78	11.56	11.82	2016-2017	(X)	(X)	(X)
2017-2018	20.72	9.79	10.46	2017-2018	(X)	(X)	(X)
Grapefruit				Tangelos			
White ²				2015-2016	27.65	2.49	17.97
2015-2016	17.40	5.64	8.41	2016-2017	29.10	5.65	19.05
2016-2017	18.95	6.31	9.78	2017-2018	26.70	3.70	16.55
2017-2018	26.55	10.20	14.61	All Tangerines and Tangelos ¹			
Red				2015-2016	(X)	(X)	(X)
2015-2016	14.50	5.50	10.22	2016-2017	28.90	4.22	17.23
2016-2017	15.95	6.70	11.31	2017-2018	32.70	3.75	22.51
2017-2018	24.55	9.70	16.96				
All Grapefruit							
2015-2016	14.84	5.55	9.80				
2016-2017	16.29	6.60	11.02				
2017-2018	24.77	9.82	16.54				

X Not applicable.

¹ Beginning in 2016-2017, Temples have been reclassified as Royal tangerines.

² Includes seedy grapefruit.

³ Fallglo and Sunburst varieties

Citrus Bearing Trees by Variety and Age Group – Florida: Crop Year 2017-2018

Fruit type	Age 1 2012-2014	Age 2 2009-2011	Age 3 2004-2008	Age 4 1994-2003	Age 5 1993 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	2,888	2,215	2,798	4,839	8,318	21,058
Valencia Oranges	3,185	2,282	3,045	7,905	12,558	28,975
White Grapefruit ¹	12	12	13	90	540	667
Red Grapefruit	443	266	195	236	1,633	2,773

¹ Includes seedy grapefruit.