



CITRUS

2018-2019 CITRUS SUMMARY
PRODUCTION, PRICE AND VALUE
PRODUCTION BY COUNTY AND PER TREE

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All Citrus Value Up 37 Percent, Production Up 55 Percent

The \$873 million preliminary on-tree value of the 2018-2019 citrus crop is 37 percent more than the \$637 million revised value for 2017-2018, but is 6 percent less than the \$927 million crop value of the 2016-2017 season.

Florida's all citrus production in 2018-2019 is 77.3 million boxes, up 55 percent from the previous season's 49.7 million boxes. All orange production increased by 59 percent to 71.8 million boxes. Non-Valencia production at 30.4 million boxes is up 60 percent from the 2017-2018 season. Valencia orange production at 41.4 million boxes is up 58 percent. All grapefruit production increased 16 percent to 4.51 million boxes. Tangerines and tangelos production in 2018-2019 is up 32 percent from the previous season.

Citrus Production, Utilization, Price, and Value, by Variety – Florida: Crop Years 2017-2018 and 2018-2019

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					
2017-2018.....	18,950	1,316	17,634	10.43	197,726
2018-2019.....	30,400	1,504	28,896	9.19	279,327
Valencia Oranges					
2017-2018.....	26,100	1,443	24,657	13.88	362,313
2018-2019.....	41,350	1,261	40,089	12.24	505,996
All Oranges					
2017-2018.....	45,050	2,759	42,291	12.43	560,039
2018-2019.....	71,750	2,765	68,985	10.95	785,323
Red Grapefruit					
2017-2018.....	3,180	1,555	1,625	16.06	51,069
2018-2019.....	3,740	1,700	2,040	15.71	58,769
White Grapefruit					
2017-2018.....	700	189	511	13.59	9,514
2018-2019.....	770	221	549	15.86	12,212
All Grapefruit					
2017-2018.....	3,880	1,744	2,136	15.61	60,583
2018-2019.....	4,510	1,921	2,589	15.74	70,981
Tangelos					
2017-2018.....	145	81	64	15.00	2,175
2018-2019.....	165	76	89	12.18	2,009
Early Tangerines ¹					
2017-2018.....	200	151	49	23.79	4,761
2018-2019.....	190	136	54	18.08	3,436
Royal Tangerines					
2017-2018.....	65	25	40	13.23	860
2018-2019.....	120	29	91	10.94	1,313
Honey Tangerines					
2017-2018.....	150	93	57	20.37	3,055
2018-2019.....	195	116	79	17.35	3,384
Other Tangerines ²					
2017-2018.....	190	136	54	27.94	5,309
2018-2019.....	320	186	134	20.42	6,535
All Tangerines and Tangelos ³					
2017-2018.....	750	486	264	21.50	16,125
2018-2019.....	990	543	447	16.87	16,700
All Citrus					
2017-2018.....	49,680	(X)	(X)	(X)	636,747
2018-2019.....	77,250	(X)	(X)	(X)	873,004

X Not applicable.

¹ Fallglo, Early Pride and Sunburst varieties.

² Includes Autumn Honey, Juicy Crunch, Orri, Robinson, Roe, Tango and other minor tangerine varieties.

³ Includes all certified tangerines and tangelos.

Citrus Production by County and Production Area, by Type – Florida: 2018-2019

County	All citrus (1,000 boxes)	Oranges			Grapefruit		
		Non-Valencia (1,000 boxes)	Late (Valencia) (1,000 boxes)	All (1,000 boxes)	Red (1,000 boxes)	White (1,000 boxes)	All (1,000 boxes)
Brevard	49	36	9	45	2	-	2
Charlotte	2,103	647	1,301	1,948	128	1	129
Collier.....	4,797	1,958	2,693	4,651	117	-	117
DeSoto.....	12,803	4,866	7,856	12,722	55	2	57
Glades	944	512	426	938	-	-	-
Hardee	8,160	5,099	2,985	8,084	35	1	36
Hendry	10,488	3,778	6,496	10,274	146	19	165
Hernando	47	46	-	46	-	-	-
Highlands.....	10,757	3,225	7,410	10,635	43	18	61
Hillsborough	460	246	208	454	3	-	3
Indian River.....	2,917	602	506	1,108	1,346	290	1,636
Lake.....	974	525	302	827	38	17	55
Lee.....	1,479	459	931	1,390	78	3	81
Manatee.....	2,422	1,154	1,259	2,413	3	-	3
Marion.....	113	75	21	96	2	2	4
Martin.....	305	40	263	303	-	-	-
Okeechobee.....	521	220	188	408	46	10	56
Orange.....	162	98	56	154	3	-	3
Osceola.....	1,295	684	564	1,248	26	14	40
Pasco.....	167	147	18	165	1	-	1
Polk.....	12,533	5,610	6,535	12,145	85	18	103
St. Lucie.....	3,475	251	1,206	1,457	1,559	375	1,934
Sarasota.....	167	44	92	136	21	-	21
Seminole.....	35	23	8	31	1	-	1
Volusia	65	45	17	62	2	-	2
Other ³	12	10	-	10	-	-	-
Total.....	77,250	30,400	41,350	71,750	3,740	770	4,510
Indian River.....	6,227	754	1,651	2,405	2,903	661	3,564
Northern.....	1,560	963	415	1,378	45	19	64
Central	24,326	9,381	14,399	23,780	151	45	196
Western.....	24,012	11,409	12,400	23,809	117	3	120
Southern	21,125	7,893	12,485	20,378	524	42	566

See footnote(s) at end of table.

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The top 5 citrus producing counties were DeSoto (12.8 million boxes), Polk (12.5 million boxes), Highlands (10.8 million boxes), Hendry (10.5 million boxes) and Hardee (8.16 million boxes). 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 93 percent of the citrus production, grapefruit accounted for 6 percent, and tangerines and tangelos represented 1 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: 2018-2019 (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.....	-	-	-	-	2	2
Charlotte.....	7	-	14	3	2	26
Collier.....	4	18	6	1	-	29
DeSoto.....	4	4	14	-	2	24
Glades.....	-	-	6	-	-	6
Hardee.....	6	1	20	5	8	40
Hendry.....	2	27	8	11	1	49
Hernando.....	1	-	-	-	-	1
Highlands.....	15	18	16	7	5	61
Hillsborough.....	-	1	1	-	1	3
Indian River.....	7	8	5	124	29	173
Lake.....	43	2	7	14	26	92
Lee.....	2	-	6	-	-	8
Manatee.....	-	2	2	-	2	6
Marion.....	9	-	-	1	3	13
Martin.....	-	1	1	-	-	2
Okeechobee.....	1	3	1	49	3	57
Orange.....	2	-	-	-	3	5
Osceola.....	4	-	1	-	2	7
Pasco.....	-	-	-	-	1	1
Polk.....	82	22	67	99	15	285
St. Lucie.....	-	7	20	4	53	84
Sarasota.....	-	6	-	-	4	10
Seminole.....	-	-	-	-	3	3
Volusia.....	1	-	-	-	-	1
Other ³	-	-	-	2	-	2
Total.....	190	120	195	320	165	990
Indian River.....	7	15	24	128	84	258
Northern.....	56	2	7	17	36	118
Central.....	99	40	83	106	22	350
Western.....	10	14	37	5	17	83
Southern.....	18	49	44	64	6	181

- Represents zero.

¹ Fallglo, Early Pride and Sunburst varieties.

² Includes Autumn Honey, Juicy Crunch, Orri, Robinson, Roe, Tango and other minor tangerine varieties.

³ Citrus and Putnam Counties

Non-Valencia Orange Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida: 2014-2015 through 2018-2019

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)
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
2018-2019	0.4	0.9	1.2	1.6	2.0	1.5
Indian River	0.3	0.6	0.8	1.6	1.8	1.3
Northern & Central	0.5	1.3	1.1	1.9	2.1	1.6
Western	0.5	0.8	1.3	1.6	2.2	1.5
Southern	0.4	0.6	1.3	1.4	1.8	1.3
Average ¹	0.5	0.9	1.3	1.6	2.1	1.5
Indian River	0.3	0.6	1.0	1.1	1.6	1.2
Northern & Central	0.5	0.9	1.1	1.7	2.1	1.6
Western	0.5	0.9	1.4	1.6	2.2	1.6
Southern	0.5	0.8	1.3	1.5	2.0	1.4

X Not applicable.

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 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:
2014-2015 through 2018-2019**

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)
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
2018-2019	0.7	1.2	1.3	1.7	1.6	1.4
Indian River	1.0	2.0	1.4	1.9	1.4	1.5
Northern & Central	0.8	1.1	1.4	1.7	1.9	1.5
Western.....	0.5	1.2	1.2	1.9	1.7	1.5
Southern	0.7	1.2	1.1	1.4	1.3	1.2
Average ¹	0.5	0.9	1.2	1.5	1.6	1.3
Indian River	0.9	1.1	1.2	1.1	1.3	1.2
Northern & Central	0.5	0.8	1.2	1.5	1.8	1.4
Western.....	0.4	0.9	1.2	1.5	1.6	1.3
Southern	0.6	1.0	1.2	1.5	1.4	1.3

J Less than one-tenth of the unit shown.

¹ Average weighted by bearing trees.

**Red Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2014-2015 through 2018-2019**

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)
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
2018-2019	0.6	0.7	1.0	1.4	2.0	1.5
Indian River	0.7	0.8	1.3	1.5	2.3	1.8
Northern & Central	0.4	0.1	0.7	1.4	1.0	0.9
Western	0.6	0.5	0.9	1.3	1.4	1.0
Southern	0.3	0.5	0.7	1.3	1.5	1.2
Average ¹	0.8	1.3	1.8	2.0	2.7	2.1
Indian River	0.9	1.2	2.2	2.3	3.0	2.4
Northern & Central	0.5	0.9	0.9	2.1	2.3	1.9
Western	0.6	1.3	1.5	3.0	2.8	1.9
Southern	0.6	1.7	0.9	1.2	1.1	1.1

- Represents zero.

X Not applicable.

¹ Average weighted by bearing trees.

**White Grapefruit Estimated Boxes of Fruit per Tree, by Age Group and Production Area – Florida:
2014-2015 through 2018-2019**

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)
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
2018-2019	0.5	1.1	0.4	1.4	1.7	1.6
Indian River	0.4	1.0	1.0	1.5	1.8	1.7
Northern & Central.....	1.0	1.2	-	1.7	1.1	1.1
Western.....	(X)	(X)	(X)	1.0	(X)	1.5
Southern.....	(X)	(X)	(X)	0.3	1.1	1.1
Average ¹	0.4	1.0	1.7	1.5	2.4	2.1
Indian River	0.4	1.2	1.4	1.5	2.4	2.2
Northern & Central.....	0.2	0.9	2.0	1.1	2.2	1.8
Western.....	(X)	(X)	(X)	1.8	2.6	2.2
Southern.....	0.7	1.0	3.2	2.4	2.0	2.1

- Represents zero.

¹ Average weighted by bearing trees.

Citrus Equivalent Return per Box, by Variety and Utilization – Florida: Crop Years 2016-2017 through 2018-2019

[2017-2018 is revised to reflect final payments in cooperative and participation plans and changes in pick, haul and packing charges. 2018-2019 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 ²			
2016-2017	22.90	5.30	16.43	2016-2017	31.20	3.40	21.66
2017-2018	24.80	4.40	17.58	2017-2018	30.25	3.85	23.79
2018-2019	22.85	4.60	15.23	2018-2019	23.90	3.45	18.08
Non-Val (Excl. Navel)				Royal			
2016-2017	15.30	10.25	10.41	2016-2017	17.30	4.95	7.30
2017-2018	17.90	9.85	10.28	2017-2018	19.85	9.10	13.23
2018-2019	14.05	8.80	8.99	2018-2019	22.70	7.20	10.94
Non-Valencia				Other Tangerines			
2016-2017	17.90	10.15	10.50	2016-2017	(X)	(X)	(X)
2017-2018	19.60	9.75	10.43	2017-2018	37.25	4.50	27.94
2018-2019	16.65	8.80	9.19	2018-2019	32.40	3.80	20.42
Valencia				Honey			
2016-2017	17.65	12.85	13.02	2016-2017	28.50	3.95	15.99
2017-2018	19.55	13.55	13.88	2017-2018	30.15	4.40	20.37
2018-2019	15.00	12.15	12.24	2018-2019	26.10	4.50	17.35
All Oranges				Tangelos			
2016-2017	17.78	11.56	11.82	2016-2017	29.10	5.65	19.05
2017-2018	19.57	11.97	12.43	2017-2018	23.85	3.80	15.00
2018-2019	15.90	10.75	10.95	2018-2019	22.80	3.10	12.18
Grapefruit				All Tangerines and Tangelos			
Red				2016-2017	28.90	4.22	17.23
2016-2017	15.95	6.70	9.78	2017-2018	30.55	4.84	21.50
2017-2018	23.75	8.70	16.06	2018-2019	27.10	4.44	16.87
2018-2019	22.75	9.85	15.71				
White ¹							
2016-2017	18.95	6.31	9.78				
2017-2018	25.60	9.15	13.59				
2018-2019	28.55	10.75	15.86				
All Grapefruit							
2016-2017	16.29	6.60	11.02				
2017-2018	23.95	8.81	15.61				
2018-2019	23.42	10.04	15.74				

X Not applicable.

¹ Includes seedy grapefruit.

² Fallglo, Early Pride and Sunburst varieties

Citrus Bearing Trees by Variety and Age Group – Florida: Crop Year 2018-2019

Fruit type	Age 1 2013-2015 (1,000 trees)	Age 2 2010-2012 (1,000 trees)	Age 3 2005-2009 (1,000 trees)	Age 4 1995-2004 (1,000 trees)	Age 5 1994 and earlier (1,000 trees)	Total bearing trees (1,000 trees)
Non-Valencia Oranges	2,881	2,082	2,883	4,937	7,827	20,610
Valencia Oranges.....	3,914	2,339	3,217	7,508	12,119	29,097
Red Grapefruit	313	277	178	224	1,438	2,430
White Grapefruit ¹	9	9	8	40	412	478

¹ Includes seedy grapefruit.