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Citrus Fruits 2018 Summary

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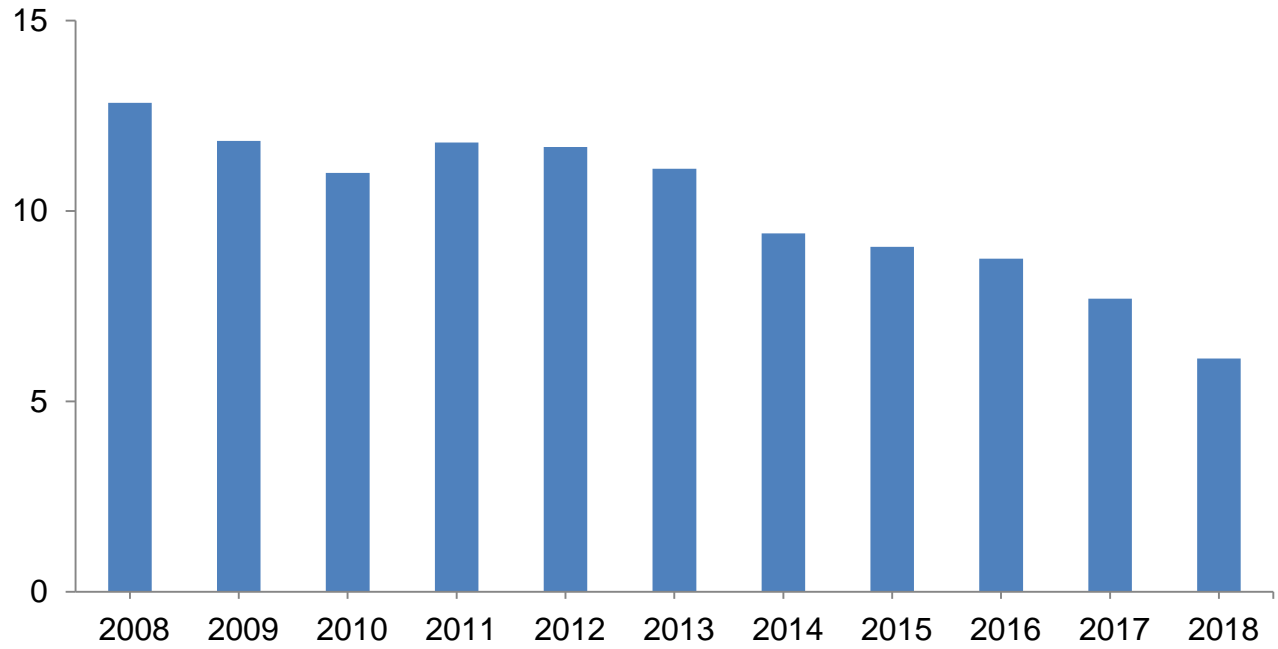
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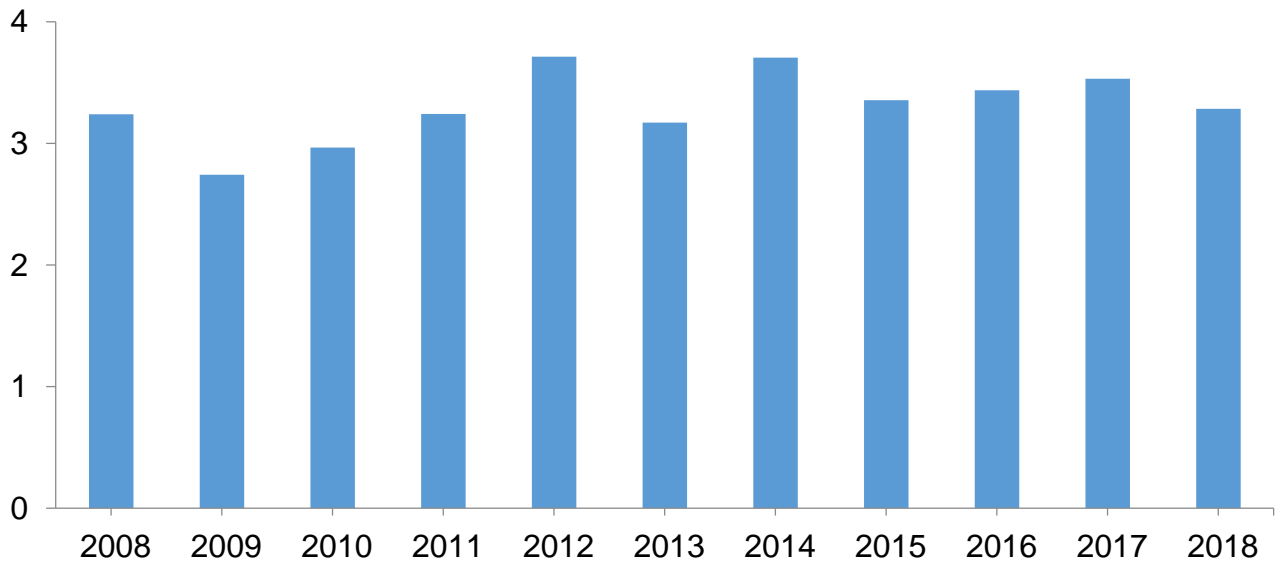
Utilized Citrus Production – United States

Million tons



Citrus Value of Production – United States

Billion dollars
(PHD equivalents)



Citrus Utilized Production Down 20 Percent, Value Down 7

Citrus utilized production for the 2017-18 season totaled 6.13 million tons, down 20 percent from the 2016-17 season and 66 percent lower than the record high production of 17.8 million tons for the 1997-98 season. Florida accounted for 36 percent of total United States citrus production; California totaled 59 percent, and Texas and Arizona produced the remaining 5 percent.

Florida's orange production, at 45.0 million boxes, is down 35 percent from the previous season. Grapefruit utilization in Florida, at 3.88 million boxes, is down 50 percent from last season's utilization. Florida's total citrus utilization decreased 37 percent from the previous season. Bearing citrus acreage, at 400,900 acres, is 9,800 acres below the 2016-17 season.

Utilized citrus production in California decreased 7 percent from the 2016-17 season. California's all orange production, at 45.4 million boxes, is 6 percent lower than the previous season. Grapefruit production is down 9 percent from the 2016-17 season and tangerine and mandarin production is down 19 percent. Utilized production of citrus in Texas is up 9 percent from the 2016-17 season. Orange production is up 37 percent from the previous season but grapefruit production was unchanged. Lemon production in Arizona is down 35 percent from last season.

The value of the 2017-18 United States citrus crop decreased 7 percent from last season, to \$3.28 billion (packinghouse-door equivalent). Total value of production for 2017-18 is lower for all citrus crops. Orange value of production decreased 9 percent from last season and grapefruit value is down 14 percent. Tangerine and mandarin value of production is 1 percent higher than last season but lemon value of production is down 6 percent. Beginning in 2016-2017, tangelos are included in tangerines and mandarins for Florida.

Overall comparisons discussed above are based on similar fruit types. The revised production and utilization estimates are based on all data available at the end of the marketing season, including information from marketing orders, shipments, and processor records. Allowances are made for recorded local utilization and home use. Estimates for the 2017-18 California Valencia oranges and grapefruit are preliminary, since the marketing season is not complete at publication time. Revisions to the utilized production estimates for all citrus for the 2017-18 season will be published in the April 2019 Crop Production.

Citrus Acreage, Production, Utilization, and Value – States and United States: 2015-2016, 2016-2017, and 2017-2018

State and season	Bearing acreage	Production			Value of production ¹
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
Arizona					
2015-2016	7,500	64	55	9	59,026
2016-2017	7,300	62	45	17	45,700
2017-2018	7,300	40	32	8	34,197
California					
2015-2016	270,500	4,200	3,138	1,062	2,047,451
2016-2017	267,400	3,880	3,048	832	2,221,762
2017-2018	265,300	3,592	2,880	712	2,438,026
Florida					
2015-2016	435,300	4,221	443	3,778	1,248,449
2016-2017	410,700	3,505	317	3,188	1,178,085
2017-2018	400,900	2,224	221	2,003	710,247
Texas					
2015-2016	24,500	263	158	105	80,749
2016-2017	24,400	250	162	88	86,578
2017-2018	24,400	272	175	97	100,618
United States					
2015-2016	737,800	8,748	3,794	4,954	3,435,675
2016-2017	709,800	7,697	3,572	4,125	3,532,125
2017-2018	697,900	6,128	3,308	2,820	3,283,088

¹ Packinghouse-door equivalents.

Citrus Acreage, Production, Utilization, and Value by Crop – United States: 2015-2016, 2016-2017, and 2017-2018

Crop and season	Bearing acreage	Production			Value of production ¹
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
Oranges					
Early, midseason, and Navel					
2015-2016 ²	299,600	3,570	1,669	1,901	1,152,606
2016-2017	286,100	3,103	1,430	1,673	1,170,847
2017-2018	278,600	2,354	1,343	1,011	1,159,233
Valencia					
2015-2016	251,800	2,518	358	2,160	774,664
2016-2017	241,400	1,985	350	1,635	772,831
2017-2018	238,900	1,565	356	1,209	610,626
All oranges					
2015-2016 ²	551,400	6,088	2,027	4,061	1,927,270
2016-2017	527,500	5,088	1,780	3,308	1,943,678
2017-2018	517,500	3,919	1,699	2,220	1,769,859
Grapefruit ³					
2015-2016	64,100	803	436	367	254,318
2016-2017	59,600	698	402	296	256,917
2017-2018	54,800	517	314	203	220,897
Lemons					
2015-2016	54,500	904	695	209	755,086
2016-2017	54,300	882	701	181	763,446
2017-2018	54,300	888	680	208	715,761
Tangelos					
2015-2016	2,500	18	11	7	8,784
2016-2017 ⁴	(NA)	(NA)	(NA)	(NA)	(NA)
2017-2018 ⁴	(NA)	(NA)	(NA)	(NA)	(NA)
Tangerines and mandarins					
2015-2016	65,300	935	625	310	490,217
2016-2017 ⁵	68,400	1,029	689	340	568,084
2017-2018 ⁵	71,300	804	615	189	576,571

(NA) Not available.

¹ Packinghouse-door equivalents.

² Includes small quantities of Temples in Florida.

³ Includes pummelos in California.

⁴ Beginning in 2016-2017, tangelos are included in tangerines and mandarins for Florida.

⁵ Beginning in 2016-2017, includes Temples and tangelos in Florida.

Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2015-2016, 2016-2017, and 2017-2018

[See Statistical Methodology for net weight per box and price per box calculations]

State, type, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box ¹			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
California											
Navel and miscellaneous											
2015-2016	125,000	378	47,200	38,100	9,100	14.65	(D)	(D)	691,350	(D)	(D)
2016-2017	122,000	322	39,300	33,100	6,200	17.97	(D)	(D)	706,121	(D)	(D)
2017-2018	118,000	304	35,900	30,900	5,000	25.36	(D)	(D)	910,492	(D)	(D)
Valencia											
2015-2016	32,000	353	11,300	6,700	4,600	11.94	(D)	(D)	134,944	(D)	(D)
2016-2017	30,000	300	9,000	7,000	2,000	20.25	(D)	(D)	182,210	(D)	(D)
2017-2018	29,000	328	9,500	6,900	2,600	22.22	(D)	(D)	211,074	(D)	(D)
All											
2015-2016	157,000	373	58,500	44,800	13,700	14.12	(D)	(D)	826,294	(D)	(D)
2016-2017	152,000	318	48,300	40,100	8,200	18.39	(D)	(D)	888,331	(D)	(D)
2017-2018	147,000	309	45,400	37,800	7,600	24.70	(D)	(D)	1,121,566	(D)	(D)
Florida											
Non-Valencia											
2015-2016 ²	169,200	213	36,100	2,199	33,901	12.13	20.35	11.60	438,002	44,750	393,252
2016-2017 ²	158,300	208	33,000	1,503	31,497	13.56	21.20	13.20	447,624	31,864	415,760
2017-2018	154,400	123	18,950	1,316	17,634	11.72	24.10	10.80	222,163	31,716	190,447
Valencia											
2015-2016	217,800	209	45,600	1,731	43,869	13.87	15.75	13.80	632,655	27,263	605,392
2016-2017	209,200	171	35,850	1,300	34,550	16.27	20.90	16.10	583,425	27,170	556,255
2017-2018	207,400	125	26,000	1,446	24,554	15.02	23.90	14.50	390,592	34,559	356,033
All											
2015-2016 ²	387,000	211	81,700	3,930	77,770	13.10	18.32	12.84	1,070,657	72,013	998,644
2016-2017 ²	367,500	187	68,850	2,803	66,047	14.98	21.06	14.72	1,031,049	59,034	972,015
2017-2018	361,800	124	44,950	2,762	42,188	13.63	24.00	12.95	612,755	66,275	546,480

See footnote(s) at end of table.

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Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2015-2016, 2016-2017, and 2017-2018 (continued)

[See Statistical Methodology for net weight per box and price per box calculations]

State, type, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box ¹			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Texas											
Early and midseason											
2015-2016	5,400	250	1,351	1,082	269	17.21	(D)	(D)	23,254	(D)	(D)
2016-2017	5,800	188	1,090	900	190	15.69	(D)	(D)	17,102	(D)	(D)
2017-2018	6,200	247	1,530	1,140	390	17.37	(D)	(D)	26,578	(D)	(D)
Valencia											
2015-2016	2,000	170	340	288	52	20.78	(D)	(D)	7,065	(D)	(D)
2016-2017	2,200	127	280	280	-	25.70	(D)	(D)	7,196	(D)	(D)
2017-2018	2,500	140	350	350	-	25.60	(D)	(D)	8,960	(D)	(D)
All											
2015-2016	7,400	229	1,691	1,370	321	17.93	(D)	(D)	30,319	(D)	(D)
2016-2017	8,000	171	1,370	1,180	190	17.74	(D)	(D)	24,298	(D)	(D)
2017-2018	8,700	216	1,880	1,490	390	18.90	(D)	(D)	35,538	(D)	(D)
United States											
Early, midseason, and Navel											
2015-2016 ²	299,600	283	84,651	41,381	43,270	13.54	18.37	9.31	1,152,606	759,260	393,346
2016-2017	286,100	257	73,390	35,503	37,887	15.83	21.10	11.32	1,170,847	749,241	421,606
2017-2018	278,600	202	56,380	33,356	23,024	20.20	28.90	8.63	1,159,233	965,208	194,025
Valencia											
2015-2016	251,800	227	57,240	8,719	48,521	13.56	16.72	13.04	774,664	145,826	628,838
2016-2017	241,400	187	45,130	8,580	36,550	17.05	24.00	15.56	772,831	206,356	566,475
2017-2018	238,900	150	35,850	8,696	27,154	16.87	27.68	13.69	610,626	241,411	369,215
All											
2015-2016 ²	551,400	257	141,891	50,100	91,791	13.55	18.07	11.30	1,927,270	905,086	1,022,184
2016-2017	527,500	225	118,520	44,083	74,437	16.30	21.67	13.42	1,943,678	955,597	988,081
2017-2018	517,500	178	92,230	42,052	50,178	18.87	28.64	11.39	1,769,859	1,206,619	563,240

- Represents zero.

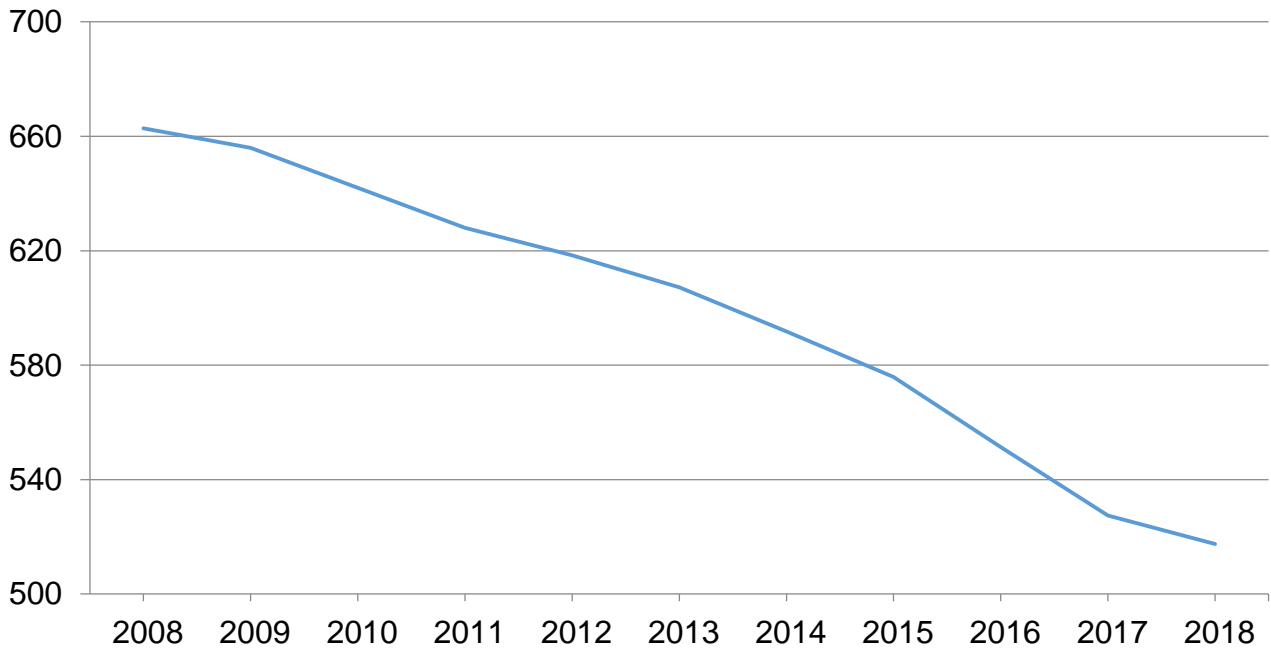
(D) Withheld to avoid disclosing data for individual operations.

¹ Equivalent packinghouse-door returns.

² Includes small quantities of Temples in Florida.

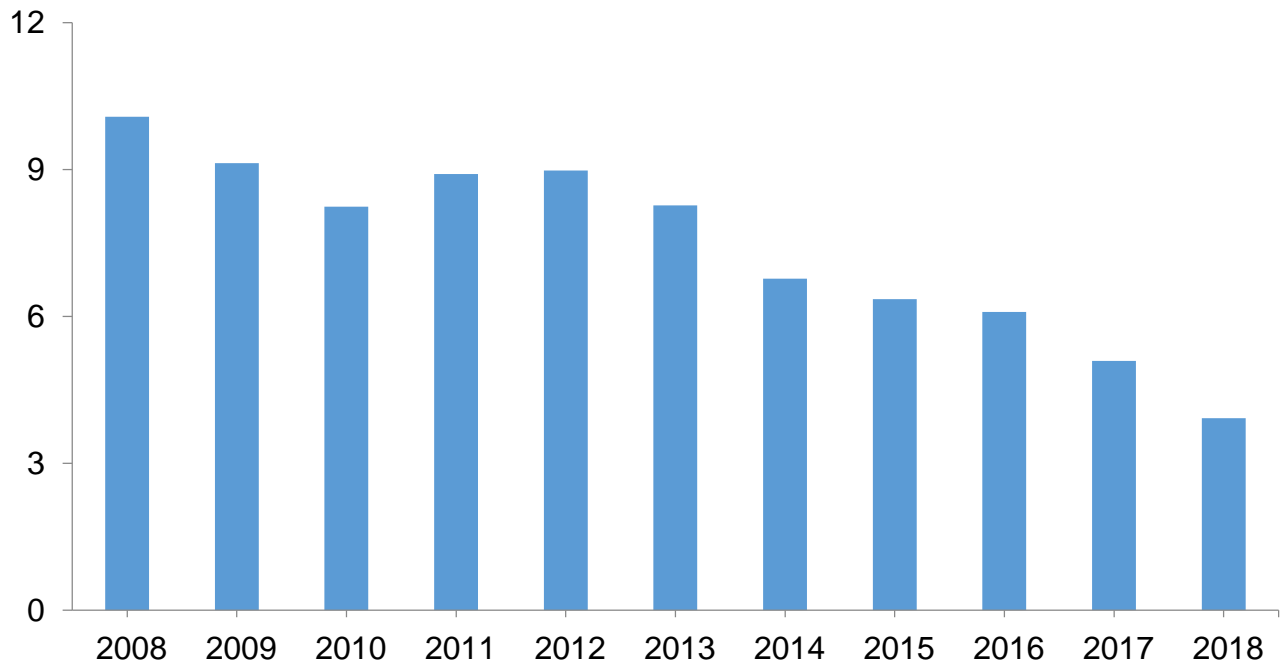
Bearing Acres of Oranges – United States

Thousand acres



Utilized Orange Production – United States

Million tons



Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2015-2016, 2016-2017, and 2017-2018

[See Statistical Methodology for net weight per box and price per box calculations]

State, type, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box ¹			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
California ²											
2015-2016	9,500	400	3,800	3,160	640	17.81	(D)	(D)	67,664	(D)	(D)
2016-2017	9,400	468	4,400	3,500	900	19.01	(D)	(D)	83,647	(D)	(D)
2017-2018	9,300	430	4,000	3,200	800	19.72	(D)	(D)	78,872	(D)	(D)
Florida											
White ³											
2015-2016	9,600	259	2,490	587	1,903	11.13	20.00	8.39	27,706	11,740	15,966
2016-2017	8,100	183	1,480	406	1,074	12.99	21.65	9.71	19,219	8,790	10,429
2017-2018	6,300	111	700	189	511	17.83	29.25	13.60	12,478	5,528	6,950
Red											
2015-2016	27,900	298	8,310	4,359	3,951	13.06	17.10	8.60	108,518	74,539	33,979
2016-2017	25,700	244	6,280	3,131	3,149	14.61	18.75	10.50	91,771	58,706	33,065
2017-2018	23,500	135	3,180	1,555	1,625	20.27	27.35	13.50	64,467	42,529	21,938
All											
2015-2016	37,500	288	10,800	4,946	5,854	12.61	17.44	8.53	136,224	86,279	49,945
2016-2017	33,800	230	7,760	3,537	4,223	14.30	19.08	10.30	110,990	67,496	43,494
2017-2018	29,800	130	3,880	1,744	2,136	19.83	27.56	13.52	76,945	48,057	28,888
Texas											
2015-2016	17,100	281	4,800	2,500	2,300	10.51	(D)	(D)	50,430	(D)	(D)
2016-2017	16,400	293	4,800	2,800	2,000	12.98	(D)	(D)	62,280	(D)	(D)
2017-2018	15,700	306	4,800	2,800	2,000	13.56	(D)	(D)	65,080	(D)	(D)
United States ²											
2015-2016	64,100	303	19,400	10,606	8,794	13.09	18.91	6.15	254,318	201,064	53,254
2016-2017	59,600	285	16,960	9,837	7,123	15.12	21.14	6.93	256,917	208,441	48,476
2017-2018	54,800	231	12,680	7,744	4,936	17.47	24.10	7.19	220,897	186,257	34,640

(D) Withheld to avoid disclosing data for individual operations.

¹ Equivalent packinghouse-door returns.

² Includes pummelos.

³ Includes seedy grapefruit.

Lemon, Tangelo, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2015-2016, 2016-2017, and 2017-2018

[See Statistical Methodology for net weight per box and price per box calculations]

Crop, State, and season	Bearing acreage	Yield per acre	Utilization of production			Price per box ¹			Value of production		
			Total	Fresh	Processed	All	Fresh	Processed	Total	Fresh	Processed
	(acres)	(boxes)	(1,000 boxes)	(1,000 boxes)	(1,000 boxes)	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Lemons											
Arizona											
2015-2016	7,500	213	1,600	1,376	224	(D)	(D)	(D)	(D)	(D)	(D)
2016-2017	7,300	212	1,550	1,115	435	29.48	(D)	(D)	45,700	(D)	(D)
2017-2018	7,300	137	1,000	805	195	34.20	(D)	(D)	34,197	(D)	(D)
California											
2015-2016	47,000	447	21,000	16,000	5,000	(D)	(D)	(D)	(D)	(D)	(D)
2016-2017	47,000	436	20,500	16,400	4,100	35.01	(D)	(D)	717,746	(D)	(D)
2017-2018	47,000	451	21,200	16,200	5,000	32.15	(D)	(D)	681,564	(D)	(D)
United States											
2015-2016	54,500	415	22,600	17,376	5,224	33.41	(D)	(D)	755,086	(D)	(D)
2016-2017	54,300	406	22,050	17,515	4,535	34.62	(D)	(D)	763,446	(D)	(D)
2017-2018	54,300	409	22,200	17,005	5,195	32.24	(D)	(D)	715,761	(D)	(D)
Tangelos											
Florida											
2015-2016	2,500	156	390	240	150	22.52	32.45	6.64	8,784	7,788	996
2016-2017 ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2017-2018 ²	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Tangerines and mandarins											
California ³											
2015-2016	57,000	381	21,700	14,500	7,200	(D)	(D)	(D)	(D)	(D)	(D)
2016-2017	59,000	403	23,800	16,200	7,600	22.35	(D)	(D)	532,038	(D)	(D)
2017-2018	62,000	310	19,200	14,800	4,400	28.96	(D)	(D)	556,024	(D)	(D)
Florida											
2015-2016 ⁴	8,300	170	1,415	958	457	23.17	30.40	8.01	32,784	29,123	3,661
2016-2017 ⁵	9,400	172	1,620	854	766	22.25	33.40	9.82	36,046	28,524	7,522
2017-2018 ⁵	9,300	81	750	486	264	27.40	37.20	9.35	20,547	18,079	2,468
United States											
2015-2016 ⁶	65,300	354	23,115	15,458	7,657	21.23	31.74	-0.01	490,217	490,948	-731
2016-2017 ⁷	68,400	372	25,420	17,054	8,366	22.35	32.90	1.00	568,084	561,018	7,066
2017-2018 ⁷	71,300	280	19,950	15,286	4,664	28.89	37.58	0.56	576,571	574,411	2,160

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Equivalent packinghouse-door returns.

² Beginning in 2016-2017, tangelos are included in tangerines and mandarins for Florida.

³ Includes tangelos and tangors.

⁴ Includes only Fallglo, Sunburst and Honey varieties.

⁵ Includes only Fallglo, Sunburst and Honey varieties, Temples, and tangelos.

⁶ Includes tangelos and tangors in California. Includes only Fallglo, Sunburst, and Honey varieties in Florida.

⁷ Includes tangelos and tangors in California. Includes only Fallglo, Sunburst, and Honey varieties, Temples and tangelos in Florida.

Citrus Prices

Revised State and United States monthly average prices and equivalent returns, and marketing year average prices for the 2016-17 and 2017-18 citrus crops are shown on the following pages. Revised monthly prices refer to all fruit sold in a given month regardless of the crop year in which the fruit was harvested.

Marketing year average prices refer to the prices received by growers for the entire marketing season for any one crop year. The crop year 2017-18 as shown on all citrus tables in this publication refers to the crop which bloomed in 2017 and was marketed during the 2017-18 season. For example, the 2017-18 marketing year average price received by Florida growers for tangerines and mandarins refers to marketings from September 2017 through April 2018. In some years the season may vary a month or two, but a price was estimated only for those months with sufficient movement.

Monthly and marketing year average prices are weighted by box size at the United States level for oranges, grapefruit, and tangerines and mandarins. See page 33 for approximate net contents per box at the State level.

Citrus prices are based on weighted average F.O.B. packed prices received for fresh fruit and weighted average prices received at the processing plant door for processing fruit. Equivalent returns for fresh and processed fruits are calculated at the packinghouse-door level and on-tree level by deducting hauling, picking, sorting, grading, packing, cooling, marketing, and other costs from the two base prices. In some cases, this results in negative returns.

Orange Average Prices and Equivalent Returns by Type and Season – California: 2016-2017 and 2017-2018

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
Oranges, all							
2016-2017							
September	27.10	11.36	17.56	(D)	8.61	14.90	(D)
October	26.00	11.32	16.46	(D)	8.58	13.80	(D)
November	32.20	20.24	22.47	(D)	17.51	19.76	(D)
December	29.40	16.88	19.67	(D)	14.14	16.96	(D)
January	28.40	15.97	18.67	(D)	13.24	15.96	(D)
February	30.00	17.45	20.27	(D)	14.71	17.56	(D)
March	30.90	17.47	21.16	(D)	14.73	18.45	(D)
April	31.20	17.56	21.43	(D)	14.81	18.72	(D)
May	32.80	19.34	23.11	(D)	16.60	20.40	(D)
June	34.10	20.90	24.33	(D)	18.16	21.62	(D)
July	36.70	22.29	26.97	(D)	19.54	24.26	(D)
August	38.60	21.45	28.87	(D)	18.68	26.16	(D)
2017-2018							
September	41.30	23.63	31.57	(D)	20.87	28.86	(D)
October	(D)	(D)	(D)	(D)	(D)	(D)	(D)
November	40.70	27.85	30.78	(D)	25.07	28.02	(D)
December	38.40	25.81	28.48	(D)	23.03	25.72	(D)
January	38.90	25.87	28.98	(D)	23.09	26.22	(D)
February	39.00	25.74	29.08	(D)	22.96	26.32	(D)
March	37.90	23.28	27.98	(D)	20.49	25.22	(D)
April	37.80	22.71	27.88	(D)	19.92	25.12	(D)
May	39.60	23.63	29.69	(D)	20.82	26.93	(D)
June	42.00	26.37	32.07	(D)	23.57	29.31	(D)
July	39.40	21.85	29.48	(D)	19.03	26.72	(D)
Navel and miscellaneous							
2016-2017							
November	32.20	20.24	22.47	(D)	17.51	19.76	(D)
December	29.40	16.88	19.67	(D)	14.14	16.96	(D)
January	28.40	15.97	18.67	(D)	13.24	15.96	(D)
February	30.00	17.45	20.27	(D)	14.71	17.56	(D)
March	30.90	17.54	21.17	(D)	14.80	18.46	(D)
April	31.50	17.80	21.77	(D)	15.05	19.06	(D)
May	35.60	20.70	25.87	(D)	17.95	23.16	(D)
June	36.20	23.11	26.47	(S)	20.38	23.76	(S)
2017-2018							
October	(D)	(D)	(D)	(D)	(D)	(D)	(D)
November	40.70	27.85	30.78	(D)	25.07	28.02	(D)
December	38.40	25.81	28.48	(D)	23.03	25.72	(D)
January	38.90	25.87	28.98	(D)	23.09	26.22	(D)
February	39.00	25.74	29.08	(D)	22.96	26.32	(D)
March	37.90	23.28	27.98	(D)	20.49	25.22	(D)
April	38.10	22.66	28.18	(D)	19.86	25.42	(D)
May	41.60	24.77	31.68	(D)	21.96	28.92	(D)
June	43.70	29.63	33.78	(D)	26.84	31.02	(D)

See footnote(s) at end of table.

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Orange Average Prices and Equivalent Returns by Type and Season – California: 2016-2017 and 2017-2018 (continued)

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
Valencia							
2017							
March	(D)	(D)	(D)	(D)	(D)	(D)	(D)
April	(D)	(D)	(D)	(D)	(D)	(D)	(D)
May	29.60	17.66	19.87	(D)	14.92	17.16	(D)
June	32.90	19.78	23.17	(D)	17.04	20.46	(D)
July	36.70	22.29	26.97	(D)	19.54	24.26	(D)
August	38.60	21.45	28.87	(D)	18.68	26.16	(D)
September	41.30	23.63	31.57	(D)	20.87	28.86	(D)
October	44.70	34.97	34.97	(S)	32.26	32.26	(S)
2018							
April	(D)	(D)	(D)	(D)	(D)	(D)	(D)
May	35.80	21.42	25.88	(D)	18.62	23.12	(D)
June	39.60	22.65	29.68	(D)	19.83	26.92	(D)
July	39.40	21.85	29.48	(D)	19.03	26.72	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2016-2017 and 2017-2018

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
Oranges, all							
2016-2017 ¹							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	36.00	(S)	25.20	(S)	(S)	21.90	(S)
November	31.40	(S)	20.60	(S)	(S)	17.30	(S)
December	31.20	13.55	20.40	13.20	10.49	17.10	10.15
January	32.00	13.47	21.20	13.30	10.41	17.91	10.25
February	30.60	13.58	19.80	13.31	10.51	16.54	10.25
March	30.20	15.88	19.39	15.75	12.64	16.14	12.51
April	31.80	16.31	21.00	16.20	13.06	17.75	12.95
May	34.50	16.35	23.70	16.20	13.10	20.45	12.95
June	34.50	(S)	23.70	(S)	(S)	20.45	(S)
July	(S)	(S)	(S)	(S)	(S)	(S)	(S)
August	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2017-2018							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	39.80	(S)	29.00	(S)	(S)	25.70	(S)
November	35.50	10.41	24.70	8.15	7.33	21.40	5.10
December	33.60	11.27	22.80	10.80	8.21	19.50	7.75
January	33.00	12.23	22.21	11.70	9.17	18.91	8.65
February	33.90	16.16	23.06	13.68	12.94	19.79	10.48
March	33.50	14.63	22.75	14.31	11.38	19.50	11.06
April	34.00	14.76	23.20	14.50	11.51	19.95	11.25
May	35.70	15.68	24.90	15.00	12.43	21.65	11.75
June	35.70	(S)	24.90	(S)	(S)	21.65	(S)
July	35.70	(S)	24.90	(S)	(S)	21.65	(S)
Non-Valencia							
2016-2017 ¹							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	36.00	(S)	25.20	(S)	(S)	21.90	(S)
November	31.40	16.42	20.60	(S)	13.24	17.30	(S)
December	31.20	13.55	20.40	13.20	10.49	17.10	10.15
January	32.00	13.44	21.20	13.30	10.39	17.90	10.25
February	32.10	13.28	21.30	13.20	10.22	18.00	10.15
March	(S)	(S)	(S)	(S)	(S)	(S)	(S)
April	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2017-2018							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	39.80	(S)	29.00	(S)	(S)	25.70	(S)
November	35.50	10.41	24.70	8.15	7.33	21.40	5.10
December	33.60	11.27	22.80	10.80	8.21	19.50	7.75
January	32.30	12.13	21.50	11.70	9.07	18.20	8.65
February	31.50	(S)	20.70	(S)	(S)	17.40	(S)
March	(S)	(S)	(S)	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

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Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2016-2017 and 2017-2018 (continued)

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
Valencia							
2017							
January	32.00	(S)	21.20	(S)	(S)	17.95	(S)
February	30.20	(S)	19.40	(S)	(S)	16.15	(S)
March	30.20	15.93	19.40	15.80	12.68	16.15	12.55
April	31.80	16.31	21.00	16.20	13.06	17.75	12.95
May	34.50	16.35	23.70	16.20	13.10	20.45	12.95
June	34.50	(S)	23.70	(S)	(S)	20.45	(S)
July	(S)	(S)	(S)	(S)	(S)	(S)	(S)
August	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2018							
January	37.00	(S)	26.20	(S)	(S)	22.95	(S)
February	34.60	16.11	23.80	13.20	12.86	20.55	9.95
March	33.60	14.62	22.80	14.30	11.37	19.55	11.05
April	34.00	14.76	23.20	14.50	11.51	19.95	11.25
May	35.70	15.68	24.90	15.00	12.43	21.65	11.75
June	35.70	(S)	24.90	(S)	(S)	21.65	(S)
July	35.70	(S)	24.90	(S)	(S)	21.65	(S)

(S) Insufficient number of reports to establish an estimate.

¹ Includes small quantities of Temples.

Orange Average Prices and Equivalent Returns by Type and Season – Texas: 2017-2018

[Only months with reported prices in a given crop year are listed]

Crop, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
Oranges, all							
2016-2017							
October	31.30	18.77	19.70	(D)	16.95	17.87	(D)
November	30.60	16.51	19.00	(D)	14.70	17.17	(D)
December	30.10	15.32	18.50	(D)	13.52	16.67	(D)
January	30.50	17.32	18.93	(D)	15.50	17.10	(D)
February	34.80	20.86	23.24	(D)	19.05	21.41	(D)
March	35.50	19.92	23.93	(D)	18.12	22.10	(D)
April	33.70	20.48	22.06	(D)	18.66	20.23	(D)
2017-2018							
October	39.30	25.28	27.70	(D)	23.46	25.87	(D)
November	42.50	25.81	30.90	(D)	24.01	29.07	(D)
December	29.90	16.14	18.30	(D)	14.34	16.47	(D)
January	30.40	14.94	18.80	(D)	13.15	16.97	(D)
February	30.90	13.96	19.30	(D)	12.19	17.47	(D)
March	36.00	19.56	24.45	(D)	17.76	22.62	(D)
April	36.60	19.10	24.96	(D)	17.32	23.13	(D)
May	36.50	20.59	24.93	(D)	18.80	23.10	(D)
Early and midseason							
2016-2017							
October	31.30	18.77	19.70	(D)	16.95	17.87	(D)
November	30.60	16.51	19.00	(D)	14.70	17.17	(D)
December	30.10	15.32	18.50	(D)	13.52	16.67	(D)
January	29.20	15.86	17.60	(D)	14.05	15.77	(D)
February	29.20	13.08	17.60	(D)	11.30	15.77	(D)
March	29.20	9.83	17.60	(D)	8.08	15.77	(D)
April	29.20	15.12	17.60	(D)	13.32	15.77	(D)
2017-2018							
October	39.30	25.28	27.70	(D)	23.46	25.87	(D)
November	42.50	25.81	30.90	(D)	24.01	29.07	(D)
December	29.90	16.14	18.30	(D)	14.34	16.47	(D)
January	30.40	14.94	18.80	(D)	13.15	16.97	(D)
February	30.90	13.96	19.30	(D)	12.19	17.47	(D)
March	30.90	8.99	19.30	(D)	7.27	17.47	(D)
April	(S)	6.20	(S)	(D)	4.50	(S)	(D)
May	(S)	(S)	(S)	(D)	(S)	(S)	(D)
Valencia							
2017							
January	37.30	25.70	25.70	(S)	23.87	23.87	(S)
February	37.30	25.70	25.70	(S)	23.87	23.87	(S)
March	37.30	25.70	25.70	(S)	23.87	23.87	(S)
April	37.30	25.70	25.70	(S)	23.87	23.87	(S)
2018							
March	37.20	25.60	25.60	(S)	23.77	23.77	(S)
April	37.20	25.60	25.60	(S)	23.77	23.77	(S)
May	37.20	25.60	25.60	(S)	23.77	23.77	(S)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Orange Average Prices and Equivalent Returns by Season – United States: 2016-2017 and 2017-2018

[Includes California, Florida, and Texas]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
2016-2017							
September	27.20	11.42	17.65	(D)	8.67	14.98	(D)
October	28.20	13.07	18.35	(D)	10.24	15.55	(D)
November	32.10	19.59	22.28	(D)	16.78	19.51	(D)
December	29.60	14.55	19.76	12.44	11.58	16.98	9.40
January	28.70	14.09	18.85	12.70	11.11	16.10	9.66
February	30.00	15.29	20.24	11.97	12.37	17.50	8.93
March	30.90	16.56	21.06	13.90	13.54	18.32	10.71
April	31.20	16.66	21.40	15.17	13.54	18.65	11.94
May	32.90	17.21	23.14	15.23	14.10	20.40	12.01
June	34.10	20.50	24.30	(D)	17.68	21.56	(D)
July	36.70	22.25	26.93	(D)	19.49	24.21	(D)
August	38.60	20.99	28.87	(D)	18.18	26.16	(D)
2017-2018							
September	41.30	23.30	31.56	(D)	20.52	28.84	(D)
October	41.90	28.48	31.88	(D)	25.61	29.03	(D)
November	40.10	19.39	30.02	7.33	16.47	27.19	4.29
December	37.90	15.52	27.94	10.39	12.55	25.13	7.35
January	38.50	18.00	28.49	10.83	15.06	25.69	7.78
February	38.70	24.14	28.74	7.86	21.28	25.95	4.76
March	37.60	18.12	27.65	12.83	15.05	24.86	9.62
April	37.50	17.05	27.49	13.50	13.93	24.69	10.27
May	39.20	19.37	29.25	12.81	16.32	26.45	9.61
June	41.60	25.92	31.57	(D)	23.08	28.78	(D)
July	39.20	21.75	29.23	(D)	18.90	26.45	(D)

(D) Withheld to avoid disclosing data for individual operations.

Grapefruit Average Prices and Equivalent Returns by Season – California: 2016-2017 and 2017-2018

[Includes pummelos]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
2016-2017							
November	(D)	23.29	(D)	(S)	20.93	(D)	(S)
December	(D)	22.79	(D)	(S)	20.43	(D)	(S)
January	(D)	20.09	(D)	(S)	17.73	(D)	(S)
February	(D)	19.03	(D)	(D)	16.57	(D)	(D)
March	(D)	18.26	(D)	(D)	15.62	(D)	(D)
April	(D)	19.03	(D)	(D)	16.38	(D)	(D)
May	(D)	19.35	(D)	(D)	16.68	(D)	(D)
June	(D)	18.20	(D)	(D)	15.47	(D)	(D)
July	(D)	17.06	(D)	(D)	14.28	(D)	(D)
August	(D)	17.50	(D)	(D)	14.71	(D)	(D)
September	(D)	17.87	(D)	(D)	15.05	(D)	(D)
October	(D)	20.72	(D)	(D)	18.08	(D)	(D)
2017-2018							
November	(D)	23.35	(D)	(S)	20.94	(D)	(S)
December	(D)	23.25	(D)	(S)	20.84	(D)	(S)
January	(D)	(S)	(D)	(S)	(S)	(D)	(S)
February	(D)	21.79	(D)	(S)	19.25	(D)	(S)
March	(D)	20.16	(D)	(D)	17.43	(D)	(D)
April	(D)	20.91	(D)	(D)	18.25	(D)	(D)
May	(D)	19.76	(D)	(D)	17.06	(D)	(D)
June	(D)	17.55	(D)	(D)	14.71	(D)	(D)
July	(D)	16.78	(D)	(D)	13.98	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2016-2017 and 2017-2018

[Only months with reported prices in a given crop year are listed]

Type, season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
Grapefruit, all							
2016-2017							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	36.00	22.52	25.69	(S)	19.55	22.90	(S)
November	28.20	15.44	17.89	9.44	12.40	15.10	5.76
December	27.70	14.11	17.38	9.80	10.91	14.59	6.07
January	29.30	13.76	18.96	10.33	10.41	16.17	6.62
February	29.40	13.34	19.06	10.47	9.94	16.28	6.76
March	29.60	13.26	19.21	10.92	9.85	16.41	7.26
April	(S)	11.02	(S)	10.43	7.55	(S)	6.88
May	(S)	(S)	(S)	(S)	(S)	(S)	(S)
June	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2017-2018							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	42.60	25.92	32.23	9.12	22.85	29.43	5.34
November	39.40	22.82	29.03	12.71	19.69	26.24	9.00
December	36.90	18.97	26.53	13.54	15.65	23.74	9.85
January	36.80	18.80	26.41	13.60	15.49	23.63	9.92
February	36.80	18.72	26.43	14.34	15.34	23.63	10.63
March	36.50	18.63	26.15	13.98	15.24	23.35	10.22
April	(S)	(S)	(S)	(S)	(S)	(S)	(S)
May	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Grapefruit, white ¹							
2016-2017							
October	32.80	18.00	22.45	(S)	15.08	19.75	(S)
November	32.10	16.04	21.75	9.05	13.03	19.05	5.65
December	32.00	14.59	21.65	8.90	11.50	18.95	5.50
January	31.80	12.89	21.45	9.40	9.69	18.75	6.00
February	31.90	12.40	21.55	10.00	9.15	18.85	6.60
March	31.90	10.52	21.55	10.20	7.14	18.85	6.80
April	(S)	10.22	(S)	10.10	6.83	(S)	6.70
May	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2017-2018							
October	40.40	(S)	30.05	(S)	(S)	27.35	(S)
November	44.00	21.41	33.65	13.10	18.29	30.95	9.70
December	38.00	17.05	27.65	13.10	13.84	24.95	9.70
January	39.80	17.83	29.45	13.60	14.61	26.75	10.20
February	35.30	16.31	24.95	14.50	13.03	22.25	11.10
March	(S)	(S)	(S)	13.80	(S)	(S)	10.40
April	(S)	(S)	(S)	(S)	(S)	(S)	(S)
May	(S)	(S)	(S)	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

--continued

Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2016-2017 and 2017-2018 (continued)

[Only months with reported prices in a given crop year are listed]

Type, season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	
Grapefruit, red							
2016-2017							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	36.30	22.97	25.95	8.35	20.00	23.15	4.55
November	27.60	15.31	17.25	9.60	12.26	14.45	5.80
December	27.20	14.03	16.85	10.00	10.82	14.05	6.20
January	28.90	13.96	18.55	10.60	10.59	15.75	6.80
February	29.10	13.55	18.75	10.60	10.11	15.95	6.80
March	29.50	14.20	19.15	11.30	10.77	16.35	7.50
April	(S)	(S)	(S)	(S)	(S)	(S)	(S)
May	(S)	(S)	(S)	(S)	(S)	(S)	(S)
June	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2017-2018							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	42.70	25.96	32.35	8.95	22.88	29.55	5.15
November	38.90	23.07	28.55	12.60	19.93	25.75	8.80
December	36.70	19.48	26.35	13.70	16.14	23.55	9.90
January	36.20	19.11	25.85	13.60	15.76	23.05	9.80
February	36.90	19.19	26.55	14.30	15.79	23.75	10.50
March	36.50	18.92	26.15	14.00	15.53	23.35	10.20
April	(S)	(S)	(S)	(S)	(S)	(S)	(S)

(S) Insufficient number of reports to establish an estimate.

¹ Includes seedy grapefruit.

Grapefruit Average Prices and Equivalent Returns by Season – Texas: 2016-2017 and 2017-2018

[Only months with reported prices in a given crop year are listed]

Season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
2016-2017							
October	44.10	28.14	32.50	(D)	26.55	30.89	(D)
November	33.40	17.48	21.80	(D)	15.90	20.19	(D)
December	31.20	14.02	19.60	(D)	12.46	17.99	(D)
January	29.90	11.52	18.30	(D)	9.97	16.69	(D)
February	30.20	9.61	18.60	(D)	8.08	16.99	(D)
March	32.60	10.53	21.00	(D)	9.00	19.39	(D)
April	32.60	10.62	21.00	(D)	9.09	19.39	(D)
May	32.60	(S)	21.00	(S)	(S)	19.39	(S)
2017-2018							
October	45.30	29.24	33.70	(S)	27.65	32.09	(S)
November	36.50	19.53	24.90	(D)	17.96	23.29	(D)
December	30.70	13.79	19.10	(D)	12.22	17.49	(D)
January	34.30	13.94	22.70	(D)	12.39	21.09	(D)
February	32.30	11.52	20.70	(D)	9.98	19.09	(D)
March	32.20	10.40	20.60	(D)	8.87	18.99	(D)
April	32.20	10.28	20.60	(D)	8.75	18.99	(D)
May	(S)	(S)	(S)	(S)	(S)	(S)	(S)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Grapefruit Average Prices and Equivalent Returns by Season – United States: 2016-2017 and 2017-2018

[Includes pummelos in California. Includes California, Florida, and Texas]

Season and month	FOB packed fresh (dollars per box)	Equivalent returns					
		Packinghouse door			On-tree		
		All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)	All (dollars per box)	Fresh (dollars per box)	Process (dollars per box)
2016-2017							
November	28.70	16.70	19.03	9.44	13.76	16.33	5.76
December	28.30	15.63	18.85	9.80	12.58	16.18	6.07
January	28.90	14.33	19.19	10.33	11.07	16.48	6.62
February	28.90	14.06	19.42	10.34	10.78	16.76	6.63
March	29.60	14.53	20.77	10.12	11.32	18.19	6.46
April	30.60	17.03	23.27	(D)	14.17	20.90	(D)
May	(D)	19.24	(D)	(D)	16.56	(D)	(D)
June	(D)	18.11	(D)	(D)	15.37	(D)	(D)
July	(D)	17.06	(D)	(D)	14.28	(D)	(D)
September	(D)	17.59	(D)	(D)	14.66	(D)	(D)
October	38.30	23.80	29.28	6.74	20.91	26.67	2.98
2017-2018							
November	37.40	22.91	27.70	12.71	19.88	25.00	9.00
December	35.70	19.36	25.88	13.54	16.13	23.17	9.85
January	36.20	19.14	26.18	13.60	15.88	23.45	9.92
February	35.30	19.08	25.73	14.13	15.80	23.03	10.42
March	34.40	19.19	25.67	12.07	16.04	23.08	8.30
April	32.20	20.88	24.87	(D)	18.21	22.46	(D)
May	(D)	19.73	(D)	(D)	17.02	(D)	(D)
June	(D)	17.55	(D)	(D)	14.71	(D)	(D)
July	(D)	16.78	(D)	(D)	13.98	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

Lemon Average Prices and Equivalent Returns by Season – California: 2016-2017 and 2017-2018

[Only months with reported prices in a given crop year are listed]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
2016-2017							
August	(S)	(S)	(S)	(D)	(S)	(S)	(D)
September	52.50	37.50	42.67	(D)	31.29	36.28	(D)
October	52.40	37.41	42.57	(D)	31.21	36.18	(D)
November	49.90	33.66	40.07	(D)	27.50	33.68	(D)
December	47.90	29.04	38.07	(D)	22.99	31.68	(D)
January	47.50	29.69	37.67	(D)	23.61	31.28	(D)
February	47.80	31.45	37.97	(D)	25.31	31.58	(D)
March	49.90	30.70	40.07	(D)	24.65	33.68	(D)
April	52.80	33.17	42.97	(D)	27.10	36.58	(D)
May	55.20	37.44	45.37	(D)	31.30	38.98	(D)
June	62.40	47.15	52.57	(D)	40.90	46.18	(D)
July	62.00	48.14	52.17	(D)	41.85	45.78	(D)
2017-2018							
August	(S)	(S)	(S)	(D)	(S)	(S)	(D)
September	49.40	35.81	39.37	(D)	29.42	32.85	(D)
October	47.90	30.90	37.87	(D)	24.65	31.35	(D)
November	51.40	34.18	41.37	(D)	27.91	34.85	(D)
December	54.70	37.83	44.67	(D)	31.53	38.15	(D)
January	55.50	37.10	45.47	(D)	30.85	38.95	(D)
February	53.80	29.81	43.77	(D)	23.75	37.25	(D)
March	48.40	26.79	38.37	(D)	20.72	31.85	(D)
April	46.60	24.22	36.57	(D)	18.20	30.05	(D)
May	46.50	27.91	36.47	(D)	21.73	29.95	(D)
June	49.10	35.53	39.07	(D)	29.14	32.55	(D)
July	60.70	46.75	50.67	(D)	40.34	44.15	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Lemon Average Prices and Equivalent Returns by Season – United States: 2016-2017 and 2017-2018

[Includes Arizona and California]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
2016-2017							
August	(S)	(S)	(S)	(D)	(S)	(S)	(D)
September	52.40	37.81	42.61	(D)	31.59	36.22	(D)
October	52.20	37.35	42.37	(D)	31.14	35.98	(D)
November	50.10	33.28	40.28	(D)	27.14	33.89	(D)
December	47.80	28.39	38.00	(D)	22.36	31.61	(D)
January	47.20	28.84	37.36	(D)	22.78	30.97	(D)
February	47.70	31.01	37.87	(D)	24.88	31.48	(D)
March	49.90	30.70	40.07	(D)	24.65	33.68	(D)
April	52.80	33.17	42.97	(D)	27.10	36.58	(D)
May	55.20	37.44	45.37	(D)	31.30	38.98	(D)
June	62.40	47.15	52.57	(D)	40.90	46.18	(D)
July	62.00	48.14	52.17	(D)	41.85	45.78	(D)
2017-2018							
August	(S)	(S)	(S)	(D)	(S)	(S)	(D)
September	49.50	35.97	39.49	(D)	29.58	32.97	(D)
October	48.30	31.77	38.28	(D)	25.49	31.76	(D)
November	51.50	34.60	41.47	(D)	28.32	34.95	(D)
December	54.30	37.12	44.26	(D)	30.84	37.74	(D)
January	55.20	36.41	45.13	(D)	30.17	38.61	(D)
February	53.70	29.71	43.63	(D)	23.65	37.11	(D)
March	48.40	26.79	38.37	(D)	20.72	31.85	(D)
April	46.60	24.22	36.57	(D)	18.20	30.05	(D)
May	46.50	27.91	36.47	(D)	21.73	29.95	(D)
June	49.10	35.53	39.07	(D)	29.14	32.55	(D)
July	60.70	46.75	50.67	(D)	40.34	44.15	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Tangerine and Mandarin Average Prices and Equivalent Returns by Season – Florida: 2016-2017

[Only months with reported prices in a given crop year are listed]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
2016-2017 ¹							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	46.20	28.19	33.20	8.50	23.46	28.70	2.90
November	47.10	27.18	34.10	9.25	22.37	29.60	3.65
December	46.20	22.68	33.20	9.21	17.70	28.70	3.61

(S) Insufficient number of reports to establish an estimate.

¹ Includes only Fallglo, Sunburst, and Honey varieties, Temples and tangelos. Beginning in January 2017, monthly price estimates discontinued.

Tangerine and Mandarin Average Prices and Equivalent Returns by Season – United States: 2016-2017

[Only months with reported prices in a given crop year are listed. Includes California and Florida]

Season and month	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
2016-2017 ¹							
September	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October	(D)	(D)	(D)	(D)	(D)	(D)	(D)
November	(D)	(D)	(D)	(D)	(D)	(D)	(D)
December	(D)	(D)	(D)	(D)	(D)	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

¹ Includes tangelos and tangors in California. Includes only Fallglo, Sunburst, and Honey varieties, Temples and tangelos in Florida. Beginning in January 2017, monthly price estimates discontinued.

Marketing Year Average Prices Received for Oranges – States and United States: 2016-2017 and 2017-2018

State, type, and utilization	2016-2017			2017-2018		
	FOB packed	Equiv. PHD	Equiv. on-tree	FOB packed	Equiv. PHD	Equiv. on-tree
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
California						
Navel and miscellaneous	(NA)	17.97	15.23	(NA)	25.36	22.57
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia	(NA)	20.25	17.49	(NA)	22.22	19.40
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
All	(NA)	18.39	15.65	(NA)	24.70	21.91
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida						
Non-Valencia	(NA)	13.56	10.50	(NA)	11.72	8.66
Fresh	32.00	21.20	17.90	34.90	24.10	20.80
Processing	(NA)	13.20	10.15	(NA)	10.80	7.75
Valencia	(NA)	16.27	13.02	(NA)	15.02	11.77
Fresh	31.70	20.90	17.65	34.70	23.90	20.65
Processing	(NA)	16.10	12.85	(NA)	14.50	11.25
All	(NA)	14.98	11.82	(NA)	13.63	10.46
Fresh	31.90	21.06	17.78	34.80	24.00	20.72
Processing	(NA)	14.72	11.56	(NA)	12.95	9.79
Texas						
Early and midseason	(NA)	15.69	13.89	(NA)	17.37	15.58
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia	(NA)	25.70	23.87	(NA)	25.60	23.77
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
All	(NA)	17.74	15.93	(NA)	18.90	17.11
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
United States						
Early, midseason, and Navel	(NA)	15.83	12.95	(NA)	20.20	17.34
Fresh	30.90	21.10	18.39	38.90	28.90	26.15
Processing	(NA)	11.32	8.30	(NA)	8.63	5.62
Valencia	(NA)	17.05	13.90	(NA)	16.87	13.74
Fresh	34.00	24.00	21.23	37.80	27.68	24.87
Processing	(NA)	15.56	12.33	(NA)	13.69	10.46
All	(NA)	16.30	13.32	(NA)	18.87	15.90
Fresh	31.50	21.67	18.94	38.70	28.64	25.88
Processing	(NA)	13.42	10.29	(NA)	11.39	8.26

(D) Withheld to avoid disclosing data for individual operations.
(NA) Not available.

Marketing Year Average Prices Received for Grapefruit – States and United States: 2016-2017 and 2017-2018

State, type, and utilization	2016-2017			2017-2018		
	FOB packed	Equiv. PHD	Equiv. on-tree	FOB packed	Equiv. PHD	Equiv. on-tree
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
California ¹	(NA)	19.01	16.37	(NA)	19.72	17.03
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida						
Red	(NA)	14.61	11.31	(NA)	20.27	16.96
Fresh	29.10	18.75	15.95	37.70	27.35	24.55
Processing	(NA)	10.50	6.70	(NA)	13.50	9.70
White ²	(NA)	12.99	9.78	(NA)	17.83	14.61
Fresh	32.00	21.65	18.95	39.60	29.25	26.55
Processing	(NA)	9.71	6.31	(NA)	13.60	10.20
All	(NA)	14.30	11.02	(NA)	19.83	16.54
Fresh	29.40	19.08	16.29	37.90	27.56	24.77
Processing	(NA)	10.30	6.60	(NA)	13.52	9.82
Texas	(NA)	12.98	11.43	(NA)	13.56	12.01
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
United States ¹	(NA)	15.12	12.48	(NA)	17.47	15.01
Fresh	30.70	21.14	18.83	33.70	24.10	21.89
Processing	(NA)	6.93	3.84	(NA)	7.19	4.36

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Includes pummelos.

² Includes seedy grapefruit.

Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States: 2016-2017 and 2017-2018

Crop, State, and utilization	2016-2017			2017-2018		
	FOB packed	Equiv. PHD	Equiv. on-tree	FOB packed	Equiv. PHD	Equiv. on-tree
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
Lemons						
Arizona	(NA)	29.48	23.46	(NA)	34.20	27.94
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
California	(NA)	35.01	28.88	(NA)	32.15	25.94
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
United States	(NA)	34.62	28.50	(NA)	32.24	26.03
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Tangerines and mandarins						
California ¹	(NA)	22.35	18.88	(NA)	28.96	25.58
Fresh	(D)	(D)	(D)	(D)	(D)	(D)
Processing	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida ²	(NA)	22.25	17.23	(NA)	27.40	22.51
Fresh	46.40	33.40	28.90	50.20	37.20	32.70
Processing	(NA)	9.82	4.22	(NA)	9.35	3.75
United States ³	(NA)	22.35	18.76	(NA)	28.89	25.44
Fresh	42.30	32.90	29.88	47.00	37.58	34.53
Processing	(NA)	1.00	-3.73	(NA)	0.56	-4.21

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Includes tangelos and tangors.

² Includes only Fallglo, Sunburst and Honey varieties, Temples, and tangelos.

³ Includes tangelos and tangors in California. Includes only Fallglo, Sunburst and Honey varieties, Temples, and tangelos in Florida.

Terms and Definitions

Citrus crop year: Begins with the bloom of the first year listed and ends with the year harvest is completed.

Equivalent on-tree (EOT) price: Represents the PHD price minus picking and hauling costs.

Freight on board (FOB) price: A commercial price term that signifies a contractual agreement between a buyer and a seller to have the subject of a sale delivered to a designated place, usually either the "place of shipment" or the "place of destination," without expense to the buyer. This term indicates delivery will be made on board or into a carrier by the shipper without charge. The abbreviation FOB is usually followed by a shipping point or destination. Reports from fresh fruit sales organizations and from citrus packers provide data for an average FOB price.

Packinghouse door (PHD) price: The packinghouse door is generally referred to as the point of first sale. PHD prices are calculated by subtracting costs incurred through the packinghouse from the FOB price. These costs may include sorting, grading, packing, cooling, etc.

Marketing Year Average Prices and Value of Production

State level marketing year average (MYA), or price per box, for fresh and processed sales are the weighted average of monthly sales that occur during a crop's marketing season, adjusted to the packinghouse-door level. The "all" sales MYA price is derived by dividing the "all" sales value by the "all" sales boxes. MYA prices at the United States level for commodities with different State box weights are computed as follows:

$$\text{Fresh Market MYAP} = \frac{\Sigma(\text{State Fresh Value} * \text{State Box Weight})}{\Sigma(\text{State Fresh Boxes} * \text{State Box Weight})}$$

$$\text{Process Market MYAP} = \frac{\Sigma(\text{State Process Value} * \text{State Box Weight})}{\Sigma(\text{State Process Boxes} * \text{State Box Weight})}$$

$$\text{"All" Sales MYAP} = \frac{\Sigma(\text{State All Value} * \text{State Box Weight})}{\Sigma(\text{State All Boxes} * \text{State Box Weight})}$$

For commodities with the same box weights across all States, the United States MYA prices are derived by dividing the sum of States' values by the sum of States' boxes.

United States value of production for a given commodity is the sum of the States' values for that commodity. The State level value of production for each commodity is computed as follows:

$$\text{Fresh Market Value} = \text{Fresh Market MYAP} * \text{Fresh Market Boxes}$$

$$\text{Process Market Value} = \text{Process Market MYAP} * \text{Process Market Boxes}$$

$$\text{"All" Sales Value} = \text{Fresh Market Value} + \text{Process Market Value}$$

Citrus prices are based on weighted average FOB packed prices received for fresh fruit and weighted average prices received at the processing plant door for processing fruit. Equivalent returns for fresh and processed fruit are calculated at the packinghouse-door level by deducting sorting, grading, packing, cooling, marketing, and other costs from the two base prices. In some cases, this results in negative returns.

Box Weights by Crop - States: 2015-2016, 2016-2017, and 2017-2018

State	Crop year		
	2015-2016	2016-2017	2017-2018
	(pounds)	(pounds)	(pounds)
Oranges			
California	80	80	80
Florida ¹	90	90	90
Texas	85	85	85
Grapefruit			
California ²	80	80	80
Florida	85	85	85
Texas	80	80	80
Lemons			
Arizona	80	80	80
California	80	80	80
Tangelos			
Florida ³	90	(NA)	(NA)
Tangerines			
California ⁴	80	80	80
Florida ⁵	95	95	95

(NA) Not available.

¹ Includes Temples in 2015-2016.

² Includes pummelos.

³ Beginning in 2016-2017, tangelos are included in tangerines and mandarins.

⁴ Includes tangelos and tangors.

⁵ Beginning in 2016-2017, Temples and tangelos are included.

Marketing Seasons

Oranges, Early, midseason, and Navel:

California.....	October 1 to June 15
Florida	October 1 to March 31
Texas	October 1 to April 30

Oranges, Valencia:

California.....	March 15 to October 31
Florida	January 1 to July 31
Texas	January 15 to May 31

Grapefruit:

California (including pummelos)	November 1 to October 31
Florida	September 15 to June 30
Texas	October 1 to May 31

Lemons:

Arizona.....	September 1 to February 28
California.....	August 1 to July 31

Tangelos:

Florida	October 15 to March 15
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Tangerines:

California (including tangelos and tangors)	October 1 to May 15
Florida	September 15 to April 30

Statistical Methodology

Survey Procedures: Grower, packer, and objective measurement surveys are used to collect acreage, production, yield, price, and value data. Grower and packer surveys are conducted by mail, telephone, and personal interview. Objective measurement data is collected in citrus groves.

Estimating Procedures: Information obtained from the citrus grower, packer, and objective measurement surveys along with administrative data is used to establish estimates of bearing acres, production, yield, price, and value. These estimates are reviewed for errors, reasonableness, and consistency with historical estimates.

Revision Policy: Current season estimates are open for revision in April and August.

Reliability: The citrus grower and packer surveys are subject to non-sampling errors such as omission, duplication, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

Lance Honig, Chief, Crops Branch	(202) 720-2127
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Vincent Davis – Apricots, Bananas, Cherries, Garlic, Lettuce, Mint, Papaya, Pears, Strawberries, Tomatoes.....	(202) 720-2157
Fleming Gibson – Avocados, Cauliflower, Celery, Citrus, Coffee, Dates, Figs, Kiwifruit, Nectarines, Olives, Green Peas, Taro, Watermelons	(202) 720-5412
Greg Lemmons – Blackberries, Blueberries, Boysenberries, Cranberries, Cucumbers, Potatoes, Pumpkins, Raspberries, Squash, Sugarbeets, Sugarcane, Sweet Potatoes	(202) 720-4285
Dan Norris – Artichokes, Austrian Winter Peas, Cantaloupes, Dry Beans, Dry Edible Peas, Honeydews, Lentils, Mushrooms, Peaches, Snap Beans	(202) 720-3250
Daphne Schaubert – Bell Peppers, Broccoli, Cabbage, Chile Peppers, Floriculture, Grapes, Hops, Maple Syrup, Tree Nuts, Spinach	(202) 720-4215
Chris Singh – Apples, Asparagus, Carrots, Lima Beans, Onions, Plums, Prunes, Sweet Corn, Tobacco	(202) 720-4288

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

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