



United States  
Department of  
Agriculture

National  
Agricultural  
Statistics  
Service



ISSN: 1948-9048

# Citrus Fruits 2020 Summary

## August 2020

# USDA





## Contents

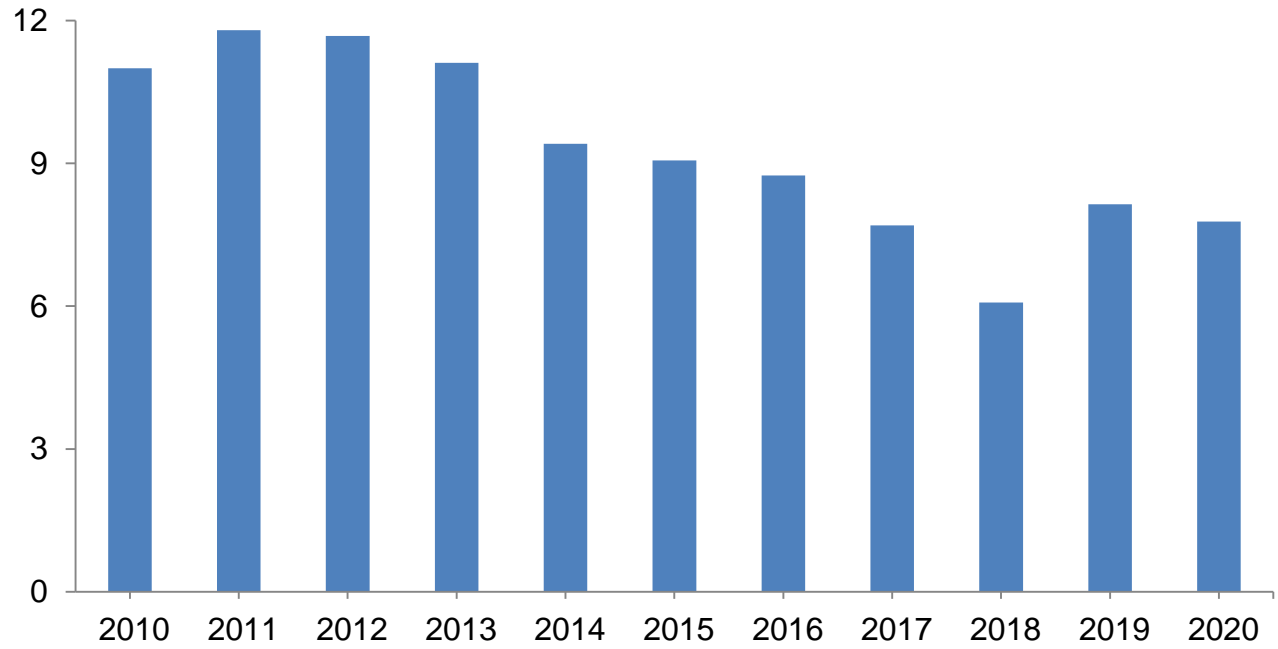
Utilized Citrus Production – United States Chart .....	6
Citrus Value of Production – United States Chart .....	6
Citrus Narrative.....	7
Citrus Acreage, Production, Utilization, and Value – States and United States: 2017-2018, 2018-2019, and 2019-2020 .....	8
Citrus Acreage, Production, Utilization, and Value by Crop – United States: 2017-2018, 2018-2019, and 2019-2020 .....	9
Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020 .....	10
Bearing Acres of Oranges – United States Chart.....	12
Utilized Orange Production – United States Chart .....	12
Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020 .....	13
Lemon, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2017-2018, 2018-2019, and 2019-2020 .....	14
Citrus Prices Narrative.....	15
Orange Average Prices and Equivalent Returns by Type and Season – California: 2018-2019 and 2019-2020 .....	16
Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2018-2019 and 2019-2020 .....	17
Orange Average Prices and Equivalent Returns by Type and Season – Texas: 2018-2019 and 2019-2020 .....	18
Orange Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020 .....	19
Grapefruit Average Prices and Equivalent Returns by Season – California: 2018-2019 and 2019-2020 .....	20
Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2018-2019 and 2019-2020 .....	21
Grapefruit Average Prices and Equivalent Returns by Season – Texas: 2018-2019 and 2019-2020 .....	22
Grapefruit Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020 .....	22
Lemon Average Prices and Equivalent Returns by Season – California: 2018-2019 and 2019-2020.....	23
Lemon Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020.....	23
Marketing Year Average Prices Received for Oranges – States and United States: 2018-2019 and 2019-2020 .....	24
Marketing Year Average Prices Received for Grapefruit – States and United States: 2018-2019 and 2019-2020.....	25
Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States:	

2018-2019 and 2019-2020 .....	26
Terms and Definitions .....	27
Marketing Year Average Prices and Value of Production .....	27
Box Weights by Crop - States: 2017-2018, 2018-2019, and 2019-2020 .....	28
Marketing Seasons .....	29
Statistical Methodology.....	29
Information Contacts.....	30

**This page intentionally left blank.**

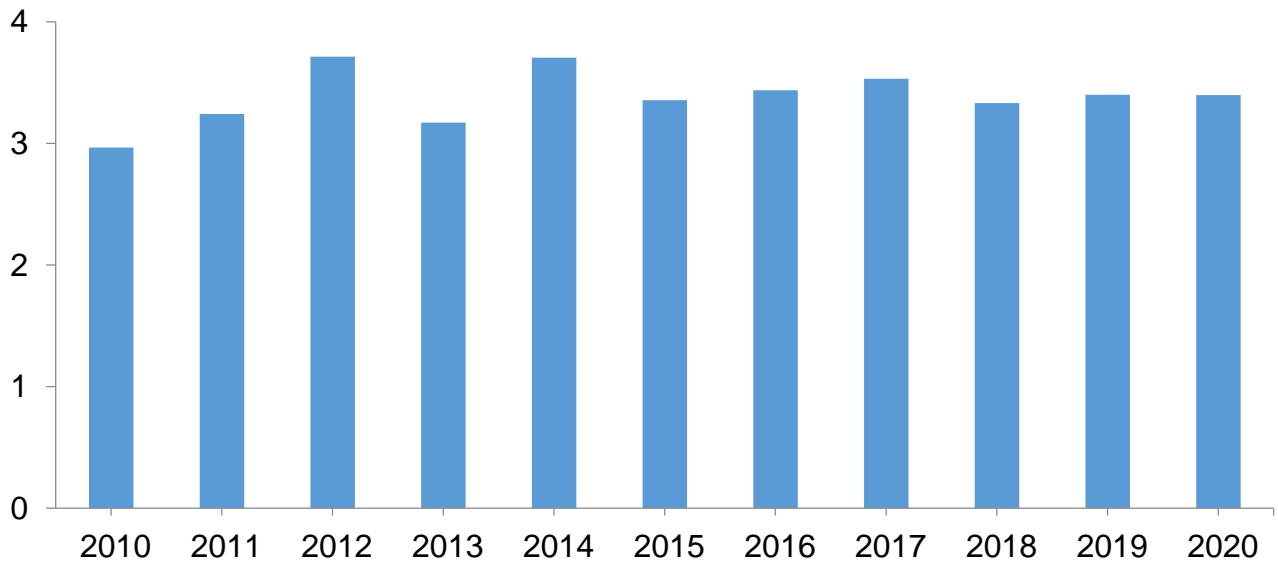
## Utilized Citrus Production – United States

Million tons



## Citrus Value of Production – United States

Billion dollars  
(PHD equivalents)



## **Citrus Utilized Production Down 4 Percent, Value Down Slightly**

Citrus utilized production for the 2019-20 season totaled 7.78 million tons, down 4 percent from the 2018-19 season. California accounted for 54 percent of total United States citrus production; Florida totaled 42 percent, and Texas and Arizona produced the remaining 4 percent.

Utilized citrus production in California was down 2 percent from the 2018-19 season. California's all orange production, at 53.3 million boxes, is 2 percent higher than the previous season. Grapefruit production is down 10 percent from the 2018-19 season and tangerine and mandarin production is down 17 percent.

Florida's orange production, at 67.3 million boxes, is down 6 percent from the previous season. Grapefruit utilization in Florida, at 4.85 million boxes, is up 8 percent from last season's utilization. Florida's total citrus utilization was down 5 percent from the previous season. Bearing citrus acreage, at 380,500 acres, is 6,600 acres below the 2018-19 season.

Utilized production of citrus in Texas is down 33 percent from the 2018-19 season. Orange production is down 46 percent from the previous season and grapefruit production is down 28 percent. Arizona's production of lemon is up 33 percent.

The value of the 2019-20 United States citrus crop was down slightly from last season, to 3.40 billion (packinghouse-door equivalent). Orange value of production decreased 3 percent from last season and grapefruit value is down 2 percent. Tangerine and mandarin value of production is up 16 percent from last season but lemon value of production is down 8 percent.

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 2019-20 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 2019-20 season will be published in the April 2021 Crop Production.

**Citrus Acreage, Production, Utilization, and Value – States and United States: 2017-2018, 2018-2019, and 2019-2020**

State and season	Bearing acreage	Production <sup>1</sup>			Value of production <sup>2</sup>
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
<b>Arizona</b>					
2017-2018 .....	7,300	40	32	8	34,197
2018-2019 .....	7,300	54	37	17	42,680
2019-2020 .....	7,300	72	52	20	50,002
<b>California</b>					
2017-2018 .....	265,300	3,536	2,824	712	2,400,330
2018-2019 .....	269,000	4,264	3,072	1,192	2,123,811
2019-2020 .....	269,700	4,192	3,208	984	2,305,524
<b>Florida</b>					
2017-2018 .....	400,900	2,228	221	2,007	795,007
2018-2019 .....	387,100	3,472	230	3,242	1,143,538
2019-2020 .....	380,500	3,283	267	3,015	957,767
<b>Texas</b>					
2017-2018 .....	24,400	272	175	97	100,618
2018-2019 .....	24,500	350	141	209	89,850
2019-2020 .....	23,800	233	124	109	85,146
<b>United States</b>					
2017-2018 .....	697,900	6,076	3,252	2,824	3,330,152
2018-2019 .....	687,900	8,140	3,480	4,660	3,399,879
2019-2020 .....	681,300	7,780	3,651	4,128	3,398,439

<sup>1</sup> Some totals may not add due to rounding.

<sup>2</sup> Packinghouse-door equivalents.



**Citrus Acreage, Production, Utilization, and Value by Crop – United States: 2017-2018, 2018-2019, and 2019-2020**

Crop and season	Bearing acreage	Production <sup>1</sup>			Value of production <sup>2</sup>
		Total	Utilization		
			Fresh	Processed	
	(acres)	(1,000 tons)	(1,000 tons)	(1,000 tons)	(1,000 dollars)
<b>Oranges</b>					
Early, midseason, and Navel					
2017-2018 .....	278,600	2,354	1,343	1,011	1,196,646
2018-2019 .....	274,100	3,142	1,357	1,785	1,006,898
2019-2020 .....	269,000	3,155	1,498	1,657	1,032,165
Valencia					
2017-2018 .....	238,900	1,521	316	1,205	633,799
2018-2019 .....	235,500	2,285	347	1,939	758,449
2019-2020 .....	234,700	2,062	386	1,676	682,525
All oranges					
2017-2018 .....	517,500	3,875	1,659	2,216	1,830,445
2018-2019 .....	509,600	5,427	1,704	3,724	1,765,347
2019-2020 .....	503,700	5,217	1,884	3,333	1,714,690
<b>Grapefruit <sup>3</sup></b>					
2017-2018 .....	54,800	509	298	211	207,970
2018-2019 .....	49,700	604	281	322	202,712
2019-2020 .....	46,400	535	297	237	199,621
<b>Lemons</b>					
2017-2018 .....	54,300	888	680	208	715,761
2018-2019 .....	56,300	1,002	737	265	730,843
2019-2020 .....	57,300	1,100	760	340	671,929
<b>Tangerines and mandarins <sup>4</sup></b>					
2017-2018 .....	71,300	804	615	189	575,976
2018-2019 .....	72,300	1,107	758	349	700,977
2019-2020 .....	73,900	928	710	218	812,199

<sup>1</sup> Some totals may not add due to rounding.

<sup>2</sup> Packinghouse-door equivalents.

<sup>3</sup> Includes pummelos in California.

<sup>4</sup> Includes tangelos.

**Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020**

[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 <sup>1</sup>			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)
<b>California</b>											
Navel and miscellaneous											
2017-2018 .....	118,000	304	35,900	30,900	5,000	25.36	(D)	(D)	910,492	(D)	(D)
2018-2019 .....	118,000	356	42,000	31,400	10,600	14.19	(D)	(D)	596,030	(D)	(D)
2019-2020 .....	117,000	379	44,300	34,900	9,400	15.26	(D)	(D)	676,091	(D)	(D)
Valencia											
2017-2018 .....	29,000	286	8,300	5,900	2,400	22.00	(D)	(D)	182,560	(D)	(D)
2018-2019 .....	29,000	352	10,200	7,000	3,200	10.14	(D)	(D)	103,428	(D)	(D)
2019-2020 .....	28,000	321	9,000	7,500	1,500	17.29	(D)	(D)	154,980	(D)	(D)
All											
2017-2018 .....	147,000	301	44,200	36,800	7,400	24.73	(D)	(D)	1,093,052	(D)	(D)
2018-2019 .....	147,000	355	52,200	38,400	13,800	13.40	(D)	(D)	699,458	(D)	(D)
2019-2020 .....	145,000	368	53,300	42,400	10,900	15.59	(D)	(D)	831,071	(D)	(D)
<b>Florida</b>											
Non-Valencia											
2017-2018 .....	154,400	123	18,950	1,316	17,634	13.70	23.05	13.00	259,576	30,334	229,242
2018-2019 .....	149,800	203	30,400	1,504	28,896	12.86	18.51	12.57	391,062	27,839	363,223
2019-2020 .....	146,000	203	29,650	1,510	28,140	11.60	13.35	11.50	343,769	20,159	323,610
Valencia											
2017-2018 .....	207,400	126	26,100	1,443	24,657	16.95	22.85	16.60	442,279	32,973	409,306
2018-2019 .....	204,300	203	41,450	1,233	40,254	15.67	16.73	15.64	650,201	20,628	629,573
2019-2020 .....	204,900	184	37,650	1,728	35,922	13.91	13.75	13.91	523,435	23,760	499,675
All											
2017-2018 .....	361,800	125	45,050	2,759	42,291	15.58	22.95	15.10	701,855	63,307	638,548
2018-2019 .....	354,100	203	71,850	2,737	69,150	14.48	17.71	14.36	1,041,263	48,467	992,796
2019-2020 .....	350,900	192	67,300	3,238	64,062	12.89	13.56	12.85	867,204	43,919	823,285

See footnote(s) at end of table.

--continued

**Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020 (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 <sup>1</sup>			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)
<b>Texas</b>											
Early and midseason											
2017-2018 .....	6,200	247	1,530	1,140	390	17.37	(D)	(D)	26,578	(D)	(D)
2018-2019 .....	6,300	351	2,210	780	1,430	8.96	(D)	(D)	19,806	(D)	(D)
2019-2020 .....	6,000	192	1,150	800	350	10.70	(D)	(D)	12,305	(D)	(D)
Valencia											
2017-2018 .....	2,500	140	350	350	-	25.60	(D)	(D)	8,960	(D)	(D)
2018-2019 .....	2,200	132	290	290	-	16.62	(D)	(D)	4,820	(D)	(D)
2019-2020 .....	1,800	106	190	190	-	21.63	(D)	(D)	4,110	(D)	(D)
All											
2017-2018 .....	8,700	216	1,880	1,490	390	18.90	(D)	(D)	35,538	(D)	(D)
2018-2019 .....	8,500	294	2,500	1,070	1,430	9.85	(D)	(D)	24,626	(D)	(D)
2019-2020 .....	7,800	172	1,340	990	350	12.25	(D)	(D)	16,415	(D)	(D)
<b>United States</b>											
Early, midseason, and Navel											
2017-2018 .....	278,600	202	56,380	33,356	23,024	20.92	28.85	10.36	1,196,646	963,826	232,820
2018-2019 .....	274,100	272	74,610	33,684	40,926	11.19	18.06	5.94	1,006,898	643,982	362,916
2019-2020 .....	269,000	279	75,100	37,210	37,890	13.74	19.19	8.40	1,032,165	713,926	318,239
Valencia											
2017-2018 .....	238,900	145	34,750	7,693	27,057	18.14	27.49	15.68	633,799	212,325	421,474
2018-2019 .....	235,500	221	51,940	8,523	43,454	15.30	17.80	14.93	758,449	124,428	634,021
2019-2020 .....	234,700	200	46,840	9,418	37,422	13.88	16.94	13.35	682,525	180,120	502,405
All											
2017-2018 .....	517,500	176	91,130	41,049	50,081	19.82	28.59	13.25	1,830,445	1,176,151	654,294
2018-2019 .....	509,600	248	126,550	42,207	84,380	14.43	19.06	12.35	1,765,347	768,410	996,937
2019-2020 .....	503,700	242	121,940	46,628	75,312	14.06	19.17	10.90	1,714,690	894,046	820,644

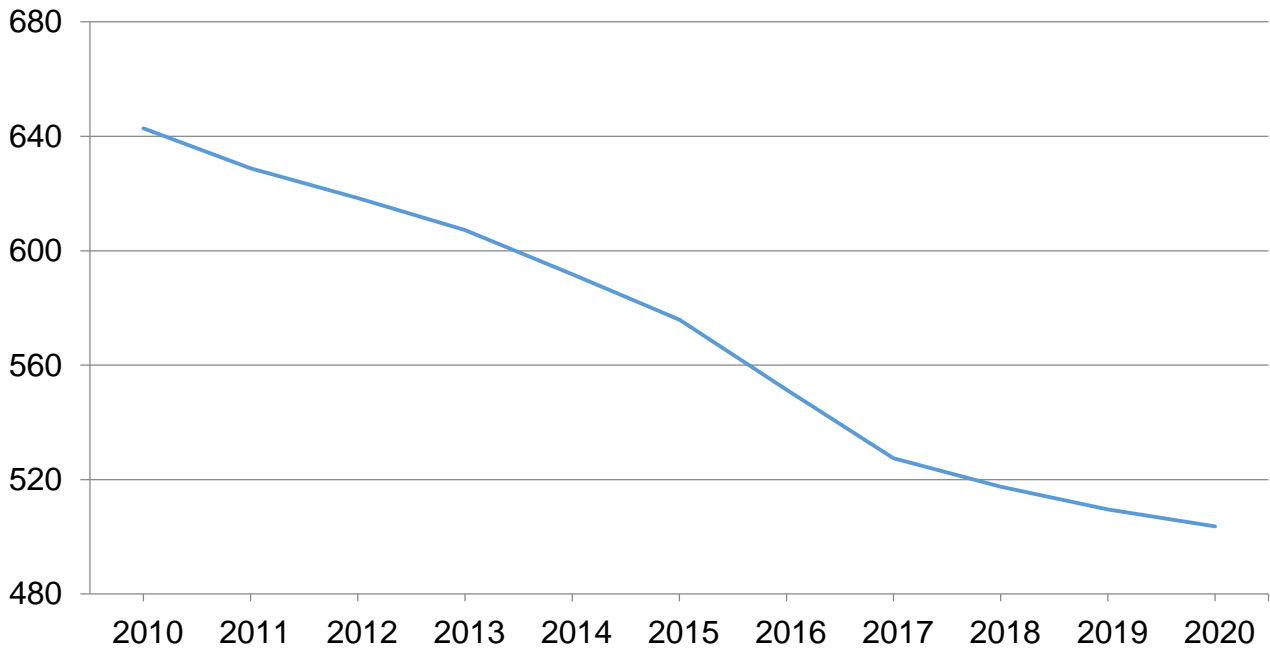
- Represents zero.

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

<sup>1</sup> Equivalent packinghouse-door returns.

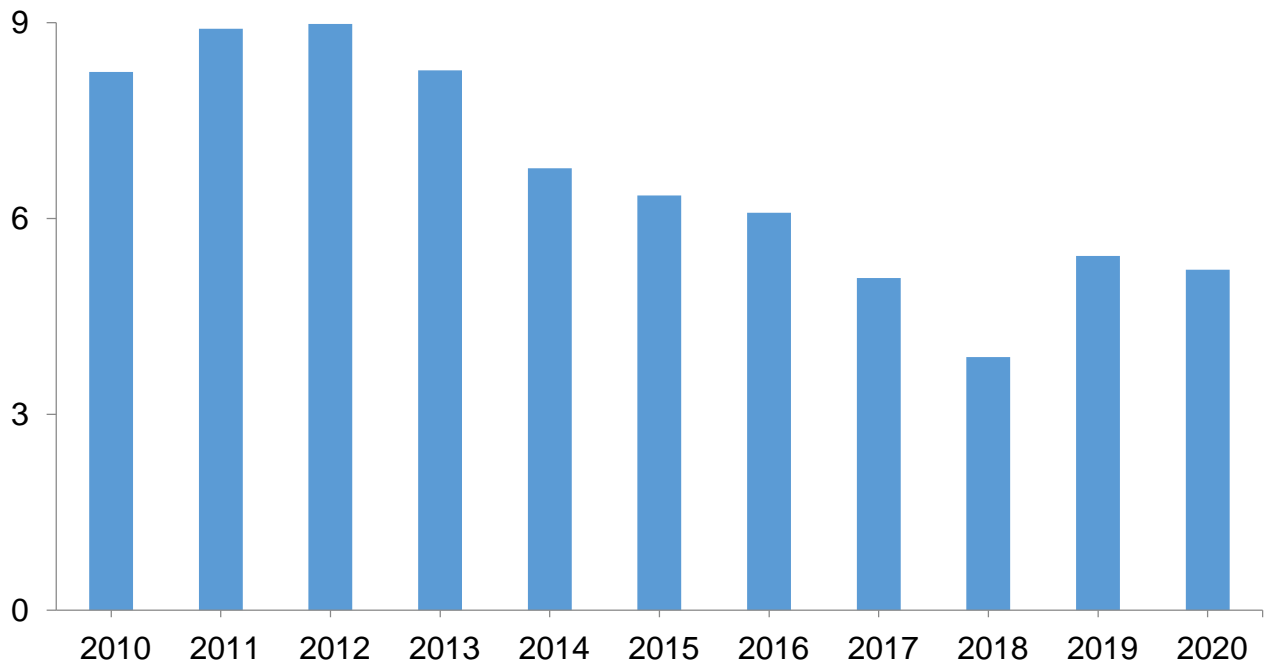
## Bearing Acres of Oranges – United States

Thousand acres



## Utilized Orange Production – United States

Million tons



## Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2017-2018, 2018-2019, and 2019-2020

[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 <sup>1</sup>			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)
<b>California</b> <sup>2</sup>											
2017-2018 .....	9,300	409	3,800	2,800	1,000	18.34	(D)	(D)	69,690	(D)	(D)
2018-2019 .....	9,000	467	4,200	2,600	1,600	13.46	(D)	(D)	56,552	(D)	(D)
2019-2020 .....	8,700	437	3,800	3,100	700	17.25	(D)	(D)	65,656	(D)	(D)
<b>Florida</b>											
White <sup>3</sup>											
2017-2018 .....	6,300	111	700	189	511	16.81	28.45	12.50	11,765	5,377	6,388
2018-2019 .....	4,300	179	770	221	549	17.61	29.65	12.76	13,558	6,553	7,005
2019-2020 .....	3,700	214	790	195	595	11.05	13.35	10.30	8,732	2,603	6,129
Red											
2017-2018 .....	23,500	135	3,180	1,555	1,625	19.32	26.55	12.40	61,435	41,285	20,150
2018-2019 .....	20,400	183	3,740	1,700	2,040	18.02	23.83	13.17	67,378	40,511	26,867
2019-2020 .....	18,000	226	4,060	1,942	2,118	13.92	18.45	9.76	56,502	35,830	20,672
All											
2017-2018 .....	29,800	130	3,880	1,744	2,136	18.87	26.76	12.42	73,200	46,662	26,538
2018-2019 .....	24,700	183	4,510	1,921	2,589	17.95	24.50	13.08	80,936	47,064	33,872
2019-2020 .....	21,700	224	4,850	2,137	2,713	13.45	17.98	9.88	65,234	38,433	26,801
<b>Texas</b>											
2017-2018 .....	15,700	306	4,800	2,800	2,000	13.56	(D)	(D)	65,080	(D)	(D)
2018-2019 .....	16,000	381	6,100	2,400	3,700	10.69	(D)	(D)	65,224	(D)	(D)
2019-2020 .....	16,000	275	4,400	3,100	700	11.01	(D)	(D)	68,731	(D)	(D)
<b>United States</b> <sup>2</sup>											
2017-2018 .....	54,800	228	12,480	7,344	5,136	16.71	23.88	6.56	207,970	175,042	32,928
2018-2019 .....	49,700	298	14,810	6,921	7,889	13.69	23.02	5.50	202,712	159,304	43,408
2019-2020 .....	46,400	281	13,050	8,337	4,713	16.03	20.50	6.97	199,621	170,958	28,663

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

<sup>1</sup> Equivalent packinghouse-door returns.

<sup>2</sup> Includes pummelos in California.

<sup>3</sup> Includes seedy grapefruit.

## Lemon, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2017-2018, 2018-2019, and 2019-2020

[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 <sup>1</sup>			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)
<b>Lemons</b>											
Arizona											
2017-2018 .....	7,300	137	1,000	805	195	34.20	(D)	(D)	34,197	(D)	(D)
2018-2019 .....	7,300	185	1,350	930	420	31.61	(D)	(D)	42,680	(D)	(D)
2019-2020 .....	7,300	247	1,800	1,300	500	27.77	(D)	(D)	50,002	(D)	(D)
California											
2017-2018 .....	47,000	451	21,200	16,200	5,000	32.15	(D)	(D)	681,564	(D)	(D)
2018-2019 .....	49,000	484	23,700	17,500	6,200	29.04	(D)	(D)	688,163	(D)	(D)
2019-2020 .....	50,000	514	25,700	17,700	8,000	24.20	(D)	(D)	621,927	(D)	(D)
United States											
2017-2018 .....	54,300	409	22,200	17,005	5,195	32.24	(D)	(D)	715,761	(D)	(D)
2018-2019 .....	56,300	445	25,050	18,430	6,620	29.92	(D)	(D)	730,843	(D)	(D)
2019-2020 .....	57,300	480	27,500	19,000	8,500	24.43	(D)	(D)	671,929	(D)	(D)
<b>Tangerines and mandarins <sup>2</sup></b>											
California											
2017-2018 .....	62,000	310	19,200	14,800	4,400	28.96	(D)	(D)	556,024	(D)	(D)
2018-2019 .....	64,000	414	26,500	18,300	8,200	25.65	(D)	(D)	679,638	(D)	(D)
2019-2020 .....	66,000	333	22,000	17,000	5,000	35.77	(D)	(D)	786,870	(D)	(D)
Florida											
2017-2018 .....	9,300	81	750	486	264	26.60	35.90	9.49	19,952	17,447	2,505
2018-2019 .....	8,300	119	990	543	447	21.55	31.70	9.23	21,339	17,213	4,126
2019-2020 .....	7,900	129	1,020	638	382	24.83	37.00	4.51	25,329	23,606	1,723
United States											
2017-2018 .....	71,300	280	19,950	15,286	4,664	28.86	37.53	0.57	575,976	573,779	2,197
2018-2019 .....	72,300	380	27,490	18,843	8,647	25.50	37.14	0.14	700,977	699,803	1,174
2019-2020 .....	73,900	312	23,020	17,638	5,382	35.28	46.17	-0.39	812,199	814,276	-2,077

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

<sup>1</sup> Equivalent packinghouse-door returns.

<sup>2</sup> Includes tangelos.

## Citrus Prices

Revised State and United States monthly average prices and equivalent returns, and marketing year average prices for the 2018-19 and 2019-20 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 2019-20 as shown on all citrus tables in this publication refers to the crop which bloomed in 2019 and was marketed during the 2019-20 season. For example, the 2019-20 marketing year average price received by Florida growers for grapefruit refers to marketings from September 2019 through June 2020. 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 28 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: 2018-2019 and 2019-2020

[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)
<b>Oranges, all</b>							
2018-2019							
September .....	41.90	23.01	31.98	(D)	20.18	29.22	(D)
October .....	36.80	22.78	26.73	(D)	19.95	23.93	(D)
November .....	32.90	20.60	22.78	(D)	17.76	19.96	(D)
December .....	32.50	18.67	22.38	(D)	15.81	19.56	(D)
January .....	29.00	15.28	18.88	(D)	12.42	16.06	(D)
February .....	27.70	13.12	17.58	(D)	10.25	14.76	(D)
March .....	28.40	14.39	18.28	(D)	11.52	15.46	(D)
April .....	27.10	12.08	17.02	(D)	9.21	14.20	(D)
May .....	26.00	10.11	15.88	(D)	7.22	13.06	(D)
June .....	25.40	7.11	14.93	(D)	4.19	12.11	(D)
July .....	23.70	9.60	13.58	(D)	6.71	10.76	(D)
August .....	23.50	10.14	13.38	(D)	7.26	10.56	(D)
2019-2020 <sup>1</sup>							
September .....	25.80	10.20	15.68	(D)	7.30	12.86	(D)
October .....	28.70	14.82	19.10	(D)	11.92	16.25	(D)
November .....	31.90	19.59	22.28	(D)	16.68	19.40	(D)
December .....	31.00	17.37	20.68	(D)	14.46	17.80	(D)
<b>Navel and miscellaneous</b>							
2018-2019							
October .....	(D)	(D)	(D)	(S)	(D)	(D)	(S)
November .....	32.90	20.60	22.78	(D)	17.76	19.96	(D)
December .....	32.50	18.76	22.38	(D)	15.90	19.56	(D)
January .....	29.00	15.34	18.88	(D)	12.49	16.06	(D)
February .....	27.70	13.19	17.58	(D)	10.32	14.76	(D)
March .....	28.40	14.44	18.28	(D)	11.58	15.46	(D)
April .....	27.60	12.20	17.48	(D)	9.32	14.66	(D)
May .....	26.90	10.06	16.78	(D)	7.16	13.96	(D)
June .....	27.00	5.98	16.88	(D)	3.04	14.06	(D)
2019-2020 <sup>1</sup>							
October .....	31.50	(D)	(D)	(D)	(D)	(D)	(D)
November .....	31.90	18.00	21.58	(D)	15.09	18.70	(D)
December .....	31.00	17.13	20.68	(D)	14.22	17.80	(D)
<b>Valencia</b>							
2019							
April .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
May .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)
June .....	23.10	9.67	12.98	(D)	6.79	10.16	(D)
July .....	23.70	9.83	13.58	(D)	6.95	10.76	(D)
August .....	23.50	9.20	13.38	(D)	6.30	10.56	(D)
September .....	25.80	9.81	15.68	(D)	6.91	12.86	(D)
October .....	25.90	11.22	15.78	(D)	8.33	12.96	(D)

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

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

<sup>1</sup> Beginning in January 2020, State level monthly price estimates have been discontinued.



# Orange Average Prices and Equivalent Returns by Type and Season – Florida: 2018-2019 and 2019-2020

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

Crop, 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)
<b>Oranges, all</b>							
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	(S)	(S)	23.55	(S)	(S)	20.15	(S)
November .....	34.30	15.10	22.95	(S)	11.84	19.55	(S)
December .....	30.80	12.86	19.45	12.60	9.65	16.05	9.40
January .....	30.10	12.77	18.79	12.60	9.56	15.39	9.40
February .....	27.90	12.89	16.58	12.70	9.68	13.23	9.51
March .....	30.20	15.63	18.86	15.54	12.57	15.60	12.49
April .....	28.60	15.64	17.25	15.60	12.58	14.00	12.55
May .....	28.90	15.74	17.55	15.70	12.69	14.30	12.65
June .....	29.40	15.88	18.05	15.70	12.81	14.80	12.65
July .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
August .....	(D)	(S)	(S)	(S)	(S)	(S)	(S)
2019-2020 <sup>1</sup>							
September .....	(D)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	28.40	15.61	17.05	(S)	12.26	13.65	(S)
November .....	28.00	14.31	16.65	(S)	10.99	13.25	(S)
December .....	25.30	11.70	13.95	11.60	8.50	10.55	8.40
<b>Non-Valencia</b>							
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	34.90	(S)	22.05	(S)	(S)	18.85	(S)
November .....	34.30	14.64	21.45	11.70	11.58	18.25	8.70
December .....	30.80	12.80	17.95	12.60	9.80	14.75	9.60
January .....	30.10	12.72	17.25	12.60	9.72	14.05	9.60
February .....	25.20	12.59	12.35	12.60	9.59	9.15	9.60
March .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
April .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2019-2020 <sup>1</sup>							
October .....	28.40	14.47	15.55	(S)	11.30	12.35	(S)
November .....	28.00	13.43	15.15	(S)	10.29	11.95	(S)
December .....	25.30	11.64	12.45	11.60	8.58	9.25	8.55
<b>Valencia</b>							
2019							
January .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
February .....	32.60	(S)	19.75	(S)	(S)	16.45	(S)
March .....	30.40	15.65	17.55	15.60	12.55	14.25	12.50
April .....	28.60	15.60	15.75	15.60	12.50	12.45	12.50
May .....	28.90	15.71	16.05	15.70	12.60	12.75	12.60
June .....	29.40	15.76	16.55	15.70	12.65	13.25	12.60
July .....	29.30	(S)	16.45	(S)	(S)	13.15	(S)
August .....	(D)	(S)	(S)	(S)	(S)	(S)	(S)

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

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

<sup>1</sup> Beginning in January 2020, State level monthly price estimates have been discontinued.

## Orange Average Prices and Equivalent Returns by Type and Season – Texas: 2018-2019 and 2019-2020

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

Crop, 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)
<b>Oranges, all</b>							
2018-2019							
November .....	32.80	16.35	21.20	(D)	14.56	19.37	(D)
December .....	31.40	12.81	19.80	(D)	11.05	17.97	(D)
January .....	33.30	13.89	21.70	(D)	12.13	19.87	(D)
February .....	33.30	13.49	21.70	(D)	11.73	19.87	(D)
March .....	28.30	13.38	16.71	(D)	11.59	14.88	(D)
April .....	28.40	12.63	16.84	(D)	10.85	15.01	(D)
May .....	27.90	(D)	16.30	(D)	(D)	14.47	(D)
2019-2020 <sup>1</sup>							
November .....	27.20	14.03	15.60	(D)	12.22	13.77	(D)
December .....	24.90	9.93	13.30	(D)	8.15	11.47	(D)
<b>Early and midseason</b>							
2018-2019							
November .....	32.80	16.35	21.20	(D)	14.56	19.37	(D)
December .....	31.40	12.81	19.80	(D)	11.05	17.97	(D)
January .....	33.30	13.89	21.70	(D)	12.13	19.87	(D)
February .....	33.30	12.47	21.70	(D)	10.72	19.87	(D)
March .....	(S)	(D)	(S)	(D)	(D)	(S)	(D)
April .....	(S)	(D)	(S)	(D)	(D)	(S)	(D)
May .....	(S)	(D)	(S)	(D)	(D)	(S)	(D)
2019-2020 <sup>1</sup>							
November .....	27.20	14.03	15.60	(D)	12.22	13.77	(D)
December .....	24.90	9.93	13.30	(D)	8.15	11.47	(D)
<b>Valencia</b>							
2019							
February .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
March .....	27.90	16.30	16.30	(S)	14.47	14.47	(S)
April .....	27.90	16.30	16.30	(S)	14.47	14.47	(S)
May .....	27.90	16.29	16.30	(S)	14.47	14.47	(S)

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

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

<sup>1</sup> Beginning in January 2020, State level monthly price estimates have been discontinued.

## Orange Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020

[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)
<b>2018-2019</b>							
September .....	41.80	23.00	31.89	(D)	20.17	29.13	(D)
October .....	36.60	22.50	26.39	(D)	19.61	23.53	(D)
November .....	33.10	18.66	22.67	8.69	15.78	19.86	5.64
December .....	32.30	14.38	21.93	11.79	11.29	19.10	8.62
January .....	29.30	13.52	19.00	11.59	10.44	16.18	8.42
February .....	27.80	13.04	17.59	10.09	10.02	14.76	6.94
March .....	28.50	15.17	18.27	13.73	12.20	15.45	10.69
April .....	27.20	14.57	17.03	13.80	11.58	14.20	10.76
May .....	26.30	13.68	16.03	13.14	10.73	13.18	10.18
June .....	25.50	10.54	15.21	8.21	7.56	12.35	5.17
July .....	23.90	10.37	13.74	(D)	7.47	10.90	(D)
August .....	23.50	9.66	13.38	(D)	6.76	10.56	(D)
<b>2019-2020</b>							
September .....	25.80	9.81	15.68	(D)	6.91	12.86	(D)
October .....	28.70	14.88	18.95	(D)	11.95	16.06	(D)
November .....	31.00	17.49	21.02	(D)	14.58	18.15	(D)
December .....	30.10	13.15	19.59	10.78	10.04	16.69	7.60
January .....	27.90	12.40	17.46	10.68	9.30	14.58	7.51
February .....	27.20	12.70	16.81	9.74	9.68	13.93	6.60
March .....	26.70	13.06	16.31	11.72	10.06	13.43	8.67
April .....	28.70	14.04	18.19	12.51	11.03	15.29	9.45
May .....	32.70	15.82	21.99	12.59	12.82	19.08	9.53
June .....	35.60	19.10	25.27	(D)	16.15	22.37	(D)
July .....	32.90	18.51	22.35	(D)	15.53	19.41	(D)

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

## Grapefruit Average Prices and Equivalent Returns by Season – California: 2018-2019 and 2019-2020

[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)
<b>2018-2019</b>							
November .....	(D)	23.60	(D)	(S)	21.14	(D)	(S)
December .....	(D)	24.20	(D)	(S)	21.74	(D)	(S)
January .....	(D)	22.60	(D)	(S)	20.14	(D)	(S)
February .....	(D)	22.00	(D)	(S)	19.54	(D)	(S)
March .....	(D)	15.27	(D)	(D)	12.46	(D)	(D)
April .....	(D)	15.02	(D)	(D)	12.16	(D)	(D)
May .....	(D)	16.02	(D)	(D)	13.20	(D)	(D)
June .....	(D)	14.29	(D)	(D)	11.36	(D)	(D)
July .....	(D)	11.72	(D)	(D)	8.62	(D)	(D)
August .....	(D)	8.93	(D)	(D)	5.66	(D)	(D)
September .....	(D)	11.03	(D)	(D)	7.88	(D)	(D)
October .....	(D)	9.94	(D)	(D)	6.64	(D)	(D)
<b>2019-2020</b>							
November .....	(D)	20.85	(D)	(S)	18.34	(D)	(S)
December .....	(D)	17.40	(D)	(D)	14.53	(D)	(D)

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

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

<sup>1</sup> Beginning in January 2020, State level monthly price estimates have been discontinued.

## Grapefruit Average Prices and Equivalent Returns by Type and Season – Florida: 2018-2019 and 2019-2020

[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)
<b>Grapefruit, all</b>							
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	43.60	29.38	32.99	12.79	26.45	30.19	9.27
November .....	39.10	23.74	28.47	12.85	20.73	25.67	9.35
December .....	37.10	20.51	26.43	13.01	17.41	23.63	9.53
January .....	35.50	18.08	24.86	13.40	14.88	22.06	9.92
February .....	34.70	17.03	24.09	13.84	13.77	21.29	10.37
March .....	33.10	14.67	22.41	12.38	11.34	19.61	8.90
April .....	35.50	16.57	24.85	11.83	13.31	22.05	8.30
May .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
June .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2019-2020 <sup>1</sup>							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	33.60	20.37	22.91	(S)	17.46	20.11	(S)
November .....	31.50	17.12	20.81	7.65	14.12	18.01	4.13
December .....	29.50	14.70	18.89	8.75	11.62	16.09	5.27
<b>Grapefruit, white <sup>2</sup></b>							
2018-2019							
October .....	44.20	(S)	31.85	(S)	(S)	28.90	(S)
November .....	45.20	24.96	32.85	12.10	21.92	29.90	8.90
December .....	43.00	20.42	30.65	12.30	17.33	27.70	9.10
January .....	40.60	18.04	28.25	12.70	14.92	25.30	9.50
February .....	39.60	16.01	27.25	13.10	12.86	24.30	9.90
March .....	39.60	13.18	27.25	12.70	9.99	24.30	9.50
April .....	(D)	(S)	(S)	(S)	(S)	(S)	(S)
2019-2020 <sup>1</sup>							
October .....	28.00	14.09	15.65	(S)	11.09	12.70	(S)
November .....	27.00	12.96	14.65	9.00	9.92	11.70	5.70
December .....	24.60	10.62	12.25	9.60	7.45	9.30	6.30
<b>Grapefruit, red</b>							
2018-2019							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	43.60	28.13	31.25	12.90	24.92	28.15	9.15
November .....	38.30	22.19	25.95	13.00	18.90	22.85	9.25
December .....	36.20	19.40	23.85	13.20	16.02	20.75	9.45
January .....	34.50	17.23	22.15	13.60	13.76	19.05	9.85
February .....	33.90	16.65	21.55	14.10	13.12	18.45	10.35
March .....	32.90	14.51	20.55	12.30	10.93	17.45	8.55
April .....	35.50	16.06	23.15	11.70	12.56	20.05	7.95
May .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
June .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
2019-2020 <sup>1</sup>							
September .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)
October .....	34.10	19.42	21.75	(S)	16.24	18.65	(S)
November .....	31.90	16.20	19.55	7.50	12.94	16.45	3.85
December .....	30.10	14.27	17.75	8.50	10.96	14.65	4.85

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

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

<sup>1</sup> Beginning in January 2020, State level monthly price estimates have been discontinued.

<sup>2</sup> Includes seedy grapefruit.

## Grapefruit Average Prices and Equivalent Returns by Season – Texas: 2018-2019 and 2019-2020

[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)
<b>2018-2019</b>							
November .....	37.80	18.40	26.20	(D)	16.84	24.59	(D)
December .....	38.40	15.01	26.80	(D)	13.47	25.19	(D)
January .....	36.90	12.26	25.30	(D)	10.73	23.69	(D)
February .....	36.90	10.57	25.30	(D)	9.05	23.69	(D)
March .....	33.00	8.14	21.40	(D)	6.63	19.79	(D)
April .....	33.70	8.43	22.10	(D)	6.92	20.49	(D)
May .....	33.70	(D)	22.10	(D)	(D)	20.49	(D)
<b>2019-2020<sup>1</sup></b>							
November .....	34.40	17.46	22.80	(D)	15.88	21.19	(D)
December .....	34.50	14.13	22.90	(D)	12.58	21.29	(D)

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

<sup>1</sup> Beginning in January 2020, State level monthly price estimates have been discontinued.

## Grapefruit Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020

[Includes pummelos in California. 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)
<b>2018-2019</b>							
September .....	(D)	18.00	(D)	(D)	15.14	(D)	(D)
October .....	37.60	23.28	28.51	6.73	20.40	25.89	3.04
November .....	37.60	20.85	26.80	6.17	18.66	24.65	3.88
December .....	37.30	17.81	26.44	6.63	15.55	24.25	4.28
January .....	34.70	15.99	24.46	7.37	13.65	22.23	4.92
February .....	35.10	14.72	24.40	9.33	12.15	22.11	6.60
March .....	32.20	11.27	21.47	6.66	8.92	19.38	4.21
April .....	30.40	11.84	21.19	3.22	9.62	19.00	0.98
May .....	(D)	8.85	(D)	(D)	6.78	(D)	(D)
June .....	(D)	14.49	(D)	(D)	11.55	(D)	(D)
July .....	(D)	11.72	(D)	(D)	8.62	(D)	(D)
August .....	(D)	8.93	(D)	(D)	5.66	(D)	(D)
<b>2019-2020</b>							
September .....	(D)	13.43	(D)	(D)	10.33	(D)	(D)
October .....	31.60	14.23	22.21	(D)	11.09	19.55	(D)
November .....	31.90	14.05	16.62	4.74	12.20	14.96	2.21
December .....	32.00	14.50	20.99	5.07	12.18	18.78	2.59
January .....	30.20	11.91	19.93	5.49	9.56	17.65	3.08
February .....	30.10	11.51	19.12	7.34	8.95	16.88	4.60
March .....	31.80	12.11	20.98	6.73	9.56	18.74	3.99
April .....	(D)	13.72	(D)	(D)	11.03	(D)	(D)
May .....	(D)	14.68	(D)	(D)	12.00	(D)	(D)
June .....	(D)	16.70	(D)	(D)	13.80	(D)	(D)
July .....	(D)	18.94	(D)	(D)	16.13	(D)	(D)

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

## Lemon Average Prices and Equivalent Returns by Season – California: 2018-2019 and 2019-2020

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)
<b>2018-2019</b>							
August .....	77.70	56.83	67.47	(S)	50.41	60.82	(S)
September .....	79.30	59.72	69.07	(S)	53.26	62.42	(S)
October .....	60.40	47.42	50.17	(S)	40.86	43.52	(S)
November .....	52.30	38.09	42.07	(D)	31.59	35.42	(D)
December .....	48.40	33.63	38.17	(D)	27.18	31.52	(D)
January .....	44.60	28.27	34.37	(D)	21.92	27.72	(D)
February .....	41.10	22.37	30.87	(D)	16.19	24.22	(D)
March .....	40.10	21.77	29.87	(D)	15.59	23.22	(D)
April .....	40.50	19.45	30.27	(D)	13.38	23.62	(D)
May .....	40.90	22.78	30.67	(D)	16.55	24.02	(D)
June .....	43.40	25.71	33.17	(D)	19.43	26.52	(D)
July .....	46.20	28.43	35.97	(D)	22.12	29.32	(D)
<b>2019-2020<sup>1</sup></b>							
August .....	49.30	35.05	38.87	(D)	28.42	32.09	(D)
September .....	50.60	34.79	40.17	(D)	28.22	33.39	(D)
October .....	51.10	36.01	40.67	(D)	29.41	33.89	(D)
November .....	48.90	32.88	38.47	(D)	26.33	31.69	(D)
December .....	45.80	29.26	35.37	(D)	22.75	28.59	(D)

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

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

<sup>1</sup> Beginning in January 2020, State level monthly price estimates have been discontinued.

## Lemon Average Prices and Equivalent Returns by Season – United States: 2018-2019 and 2019-2020

[Includes Arizona and California]

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)
<b>2018-2019</b>							
August .....	77.70	56.83	67.47	(S)	50.41	60.82	(S)
September .....	79.20	59.71	68.99	(S)	53.26	62.34	(S)
October .....	61.00	48.02	50.74	(S)	41.45	44.09	(S)
November .....	53.00	38.46	42.73	(D)	31.97	36.08	(D)
December .....	48.70	32.89	38.43	(D)	26.48	31.78	(D)
January .....	44.90	28.12	34.64	(D)	21.79	27.99	(D)
February .....	41.10	21.92	30.90	(D)	15.77	24.25	(D)
March .....	40.10	21.77	29.87	(D)	15.59	23.22	(D)
April .....	40.50	19.45	30.27	(D)	13.38	23.62	(D)
May .....	40.90	22.78	30.67	(D)	16.55	24.02	(D)
June .....	43.40	25.71	33.17	(D)	19.43	26.52	(D)
July .....	46.20	28.43	35.97	(D)	22.12	29.32	(D)
<b>2019-2020</b>							
August .....	49.30	35.05	38.87	(D)	28.42	32.09	(D)
September .....	50.90	35.24	40.47	(D)	28.66	33.69	(D)
October .....	51.70	36.95	41.24	(D)	30.34	34.46	(D)
November .....	49.20	33.23	38.77	(D)	26.67	31.99	(D)
December .....	45.80	28.97	35.38	(D)	22.48	28.60	(D)
January .....	42.90	22.45	32.46	(D)	16.17	25.68	(D)
February .....	40.30	20.66	29.83	(D)	14.35	23.05	(D)
March .....	38.20	16.40	27.76	(D)	10.25	20.98	(D)
April .....	38.50	16.88	28.07	(D)	10.72	21.29	(D)
May .....	40.80	20.67	30.37	(D)	14.38	23.59	(D)
June .....	44.70	25.91	34.27	(D)	19.50	27.49	(D)
July .....	47.50	27.39	37.07	(D)	21.01	30.29	(D)

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

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

**Marketing Year Average Prices Received for Oranges – States and United States: 2018-2019 and 2019-2020**

State, type, and utilization	2018-2019			2019-2020		
	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)
<b>California</b>						
Navel and miscellaneous .....	(NA)	14.19	11.32	(NA)	15.26	12.34
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia .....	(NA)	10.14	7.26	(NA)	17.29	14.37
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
All .....	(NA)	13.40	10.53	(NA)	15.59	12.67
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Florida</b>						
Non-Valencia .....	(NA)	12.86	9.85	(NA)	11.60	8.54
Fresh .....	31.40	18.51	15.31	26.20	13.35	10.15
Processing .....	(NA)	12.57	9.57	(NA)	11.50	8.45
Valencia .....	(NA)	15.67	12.56	(NA)	13.91	10.80
Fresh .....	29.60	16.73	13.43	26.60	13.75	10.45
Processing .....	(NA)	15.64	12.54	(NA)	13.91	10.81
All .....	(NA)	14.48	11.42	(NA)	12.89	9.80
Fresh .....	30.60	17.71	14.46	26.40	13.56	10.31
Processing .....	(NA)	14.36	11.30	(NA)	12.85	9.77
<b>Texas</b>						
Early and midseason .....	(NA)	8.96	7.24	(NA)	10.70	8.92
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia .....	(NA)	16.62	14.79	(NA)	21.63	19.79
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
All .....	(NA)	9.85	8.12	(NA)	12.25	10.46
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>United States</b>						
Early, midseason, and Navel .....	(NA)	11.19	8.85	(NA)	13.74	10.79
Fresh .....	29.50	18.06	15.39	29.10	19.19	16.32
Processing .....	(NA)	5.94	3.86	(NA)	8.40	5.35
Valencia .....	(NA)	15.30	12.25	(NA)	13.88	10.81
Fresh .....	28.40	17.80	14.95	27.90	16.94	14.00
Processing .....	(NA)	14.93	11.84	(NA)	13.35	10.25
All .....	(NA)	14.43	11.43	(NA)	14.06	11.06
Fresh .....	29.30	19.06	16.23	28.90	19.17	16.29
Processing .....	(NA)	12.35	9.27	(NA)	10.90	7.82

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



**Marketing Year Average Prices Received for Grapefruit – States and United States: 2018-2019 and 2019-2020**

State, type, and utilization	2018-2019			2019-2020		
	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)
<b>California</b> <sup>1</sup> .....	(NA)	13.46	10.47	(NA)	17.25	14.47
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Florida</b>						
Red .....	(NA)	18.02	14.56	(NA)	13.92	10.53
Fresh .....	36.20	23.83	20.73	30.80	18.45	15.35
Processing .....	(NA)	13.17	9.42	(NA)	9.76	6.11
White <sup>2</sup> .....	(NA)	17.61	14.48	(NA)	11.05	7.84
Fresh .....	42.00	29.65	26.70	25.70	13.35	10.41
Processing .....	(NA)	12.76	9.56	(NA)	10.30	7.00
All .....	(NA)	17.95	14.55	(NA)	13.45	10.09
Fresh .....	36.90	24.50	21.42	30.30	17.98	14.90
Processing .....	(NA)	13.08	9.45	(NA)	9.88	6.31
<b>Texas</b> .....	(NA)	10.69	9.17	(NA)	11.01	9.49
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>United States</b> <sup>1</sup> .....	(NA)	13.69	11.18	(NA)	16.03	13.40
Fresh .....	33.40	23.02	20.68	30.60	20.50	18.18
Processing .....	(NA)	5.50	2.84	(NA)	6.97	3.69

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

(NA) Not available.

<sup>1</sup> Includes pummelos.

<sup>2</sup> Includes seedy grapefruit.

**Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States: 2018-2019 and 2019-2020**

Crop, State, and utilization	2018-2019			2019-2020		
	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)
<b>Lemons</b>						
Arizona .....	(NA)	31.61	25.39	(NA)	27.77	21.38
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
California .....	(NA)	29.04	22.74	(NA)	24.20	17.85
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
United States .....	(NA)	29.18	22.88	(NA)	24.43	18.08
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Tangerines and mandarins <sup>1</sup></b>						
California .....	(NA)	25.65	22.06	(NA)	35.77	32.25
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida .....	(NA)	21.55	17.04	(NA)	24.83	20.23
Fresh .....	46.10	31.70	27.25	51.40	37.00	32.55
Processing .....	(NA)	9.23	4.63	(NA)	4.51	-0.34
United States .....	(NA)	25.50	21.87	(NA)	35.28	31.72
Fresh .....	46.78	37.14	34.05	56.03	46.17	43.01
Processing .....	(NA)	0.14	-4.65	(NA)	-0.39	-5.28

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

(NA) Not available.

<sup>1</sup> Includes tangelos.

## 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:

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

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

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

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: 2017-2018, 2018-2019, and 2019-2020

State	Crop year		
	2017-2018 (pounds)	2018-2019 (pounds)	2019-2020 (pounds)
<b>Oranges</b>			
California .....	80	80	80
Florida .....	90	90	90
Texas .....	85	85	85
<b>Grapefruit</b>			
California <sup>1</sup> .....	80	80	80
Florida .....	85	85	85
Texas .....	80	80	80
<b>Lemons</b>			
Arizona .....	80	80	80
California .....	80	80	80
<b>Tangerines and mandarins <sup>2</sup></b>			
California .....	80	80	80
Florida .....	95	95	95

<sup>1</sup> Includes pummelos.

<sup>2</sup> Includes tangelos.

## 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

### Tangerines and mandarins (including tangelos):

California.....	October 1 to May 15
Florida .....	September 15 to April 30

## Statistical Methodology

**Survey Procedures:** Grower and objective measurement surveys are used to collect acreage, production, yield, price, and value data. Grower 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 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 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@usda.gov](mailto:nass@usda.gov)

Lance Honig, Chief, Crops Branch .....	(202) 720-2127
Fleming Gibson, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Anastasiya Osborne – Almonds, Apples, Apricots, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn, Tobacco .....	(202) 720-4288
Fleming Gibson – Cauliflower, Celery, Grapefruit, Lemons, Macadamia, Mandarins and tangerines, Mushrooms, Olives, Oranges .....	(202) 720-5412
Heidi Lanouette – Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes, Tame Blueberries, Wild Blueberries.....	(202) 720-4285
Dan Norris – Artichokes, Cantaloupes, Dry Edible Peas, Green Peas, Lentils, Nectarines, Papayas, Peaches, Snap Beans, Spinach, Walnuts, Watermelons .....	(202) 720-3250
Krishna Rizal – Dry Beans, Garlic, Hazelnuts, Honeydews, Kiwifruit, Lettuce, Maple Syrup, Mint, Pears, Sweet Cherries, Tart Cherries, Tomatoes .....	(202) 720-2157
Dawn Smoker – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans .....	(202) 720-4215

## 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](http://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](http://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.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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@usda.gov](mailto:nass@usda.gov).

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at [www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer](http://www.ascr.usda.gov/filing-program-discrimination-complaint-usda-customer), or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at [program.intake@usda.gov](mailto:program.intake@usda.gov).