



United States  
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Agriculture

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Agricultural  
Statistics  
Service



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# Citrus Fruits 2022 Summary

## September 2022

# USDA





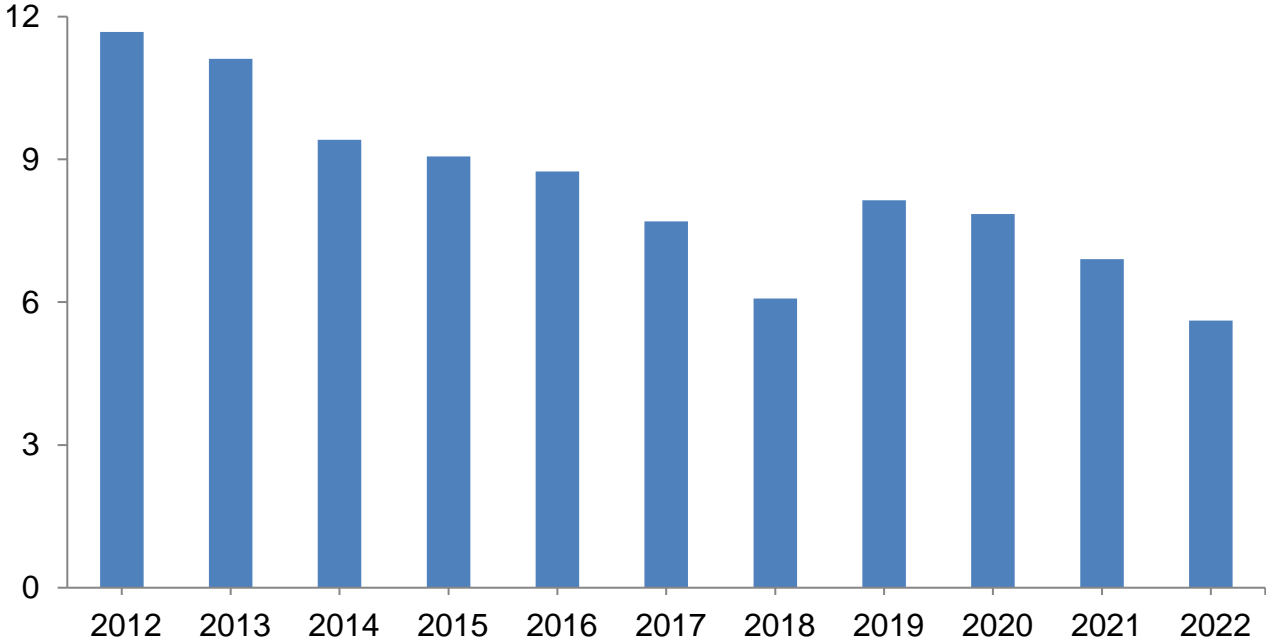
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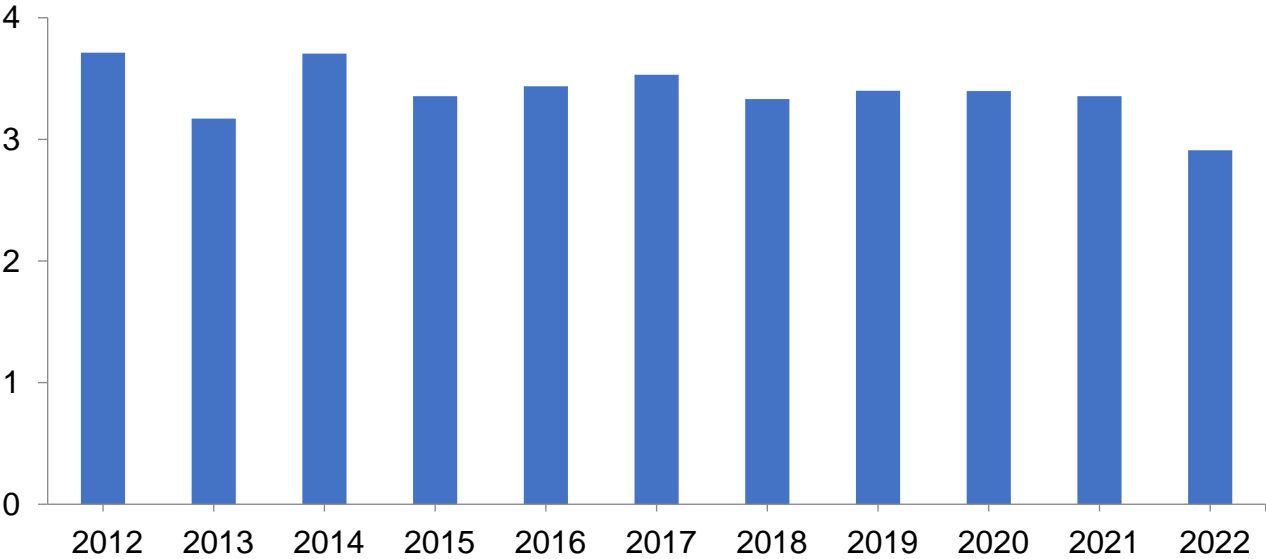
# Utilized Citrus Production – United States

Million tons



# Citrus Value of Production – United States

Billion dollars  
(PHD equivalents)



## **Citrus Utilized Production Down 19 Percent, Value Down 13 Percent**

Citrus utilized production for the 2021-22 season totaled 5.61 million tons, down 19 percent from the 2020-21 season. California accounted for 62 percent of total United States citrus production; Florida totaled 36 percent, and Texas and Arizona produced the remaining 2 percent.

Utilized citrus production in California was down 16 percent from the 2020-21 season. California's all orange production, at 40.4 million boxes, is 18 percent lower than the previous season. Grapefruit production is down 2 percent from the 2020-21 season and tangerine and mandarin production is down 40 percent.

Florida's orange production, at 41.1 million boxes, is down 22 percent from the previous season. Grapefruit utilization in Florida, at 3.33 million boxes, is down 19 percent from last season's utilization. Florida's total citrus utilization was down 22 percent from the previous season.

Utilized production of citrus in Texas is down 46 percent from the 2020-21 season. Orange production is down 81 percent from the previous season and grapefruit production is down 29 percent. Arizona's production of lemon up 27 percent.

The value of the 2021-22 United States citrus crop was down 13 percent from last season, to 2.91 billion (packinghouse-door equivalent). Orange value of production decreased 9 percent from last season and grapefruit value is down 27 percent. Tangerine and mandarin value of production is down 18 percent from last season and lemon value of production is down 13 percent from last season.

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 2021-22 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 2021-22 season will be published in the April 2023 Crop Production.

**Citrus Acreage, Production, Utilization, and Value – States and United States: 2019-2020, 2020-2021, and 2021-2022**

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>					
2019-2020 .....	7,300	72	52	20	50,002
2020-2021 .....	7,000	30	24	6	20,931
2021-2022 .....	6,800	38	27	11	24,820
<b>California</b>					
2019-2020 .....	269,700	4,260	3,248	1,012	2,351,945
2020-2021 .....	266,900	4,136	3,056	1,080	2,463,888
2021-2022 .....	270,000	3,472	2,544	928	2,263,193
<b>Florida</b>					
2019-2020 .....	380,500	3,287	267	3,020	929,634
2020-2021 .....	369,500	2,599	259	2,339	802,751
2021-2022 .....	340,200	2,025	218	1,807	585,117
<b>Texas</b>					
2019-2020 .....	23,800	233	124	109	64,886
2020-2021 .....	22,800	141	92	49	67,471
2021-2022 .....	18,500	76	38	38	37,714
<b>United States</b>					
2019-2020 .....	681,300	7,852	3,691	4,161	3,396,467
2020-2021 .....	666,200	6,906	3,431	3,474	3,355,041
2021-2022 .....	635,500	5,611	2,827	2,784	2,910,844

<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: 2019-2020, 2020-2021, and 2021-2022**

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					
2019-2020 .....	269,000	3,115	1,474	1,641	999,404
2020-2021 .....	259,500	2,717	1,338	1,378	1,057,805
2021-2022 .....	243,700	2,100	1,132	968	977,628
Valencia					
2019-2020 .....	234,700	2,139	418	1,721	712,215
2020-2021 .....	232,200	1,671	295	1,376	553,947
2021-2022 .....	219,900	1,371	306	1,065	489,859
All oranges					
2019-2020 .....	503,700	5,254	1,892	3,362	1,711,619
2020-2021 .....	491,700	4,388	1,633	2,754	1,611,752
2021-2022 .....	463,600	3,471	1,438	2,033	1,467,487
<b>Grapefruit <sup>3</sup></b>					
2019-2020 .....	46,400	570	321	249	198,809
2020-2021 .....	42,700	438	286	152	231,672
2021-2022 .....	36,900	374	199	175	168,539
<b>Lemons</b>					
2019-2020 .....	57,300	1,084	752	332	664,935
2020-2021 .....	57,000	886	712	174	661,623
2021-2022 .....	58,800	1,034	671	363	575,445
<b>Tangerines and mandarins <sup>4</sup></b>					
2019-2020 .....	73,900	944	726	218	821,104
2020-2021 .....	74,800	1,194	800	394	849,994
2021-2022 .....	76,200	732	519	213	699,373

<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: 2019-2020, 2020-2021, and 2021-2022

[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											
2019-2020 .....	117,000	370	43,300	34,300	9,000	15.23	(D)	(D)	659,480	(D)	(D)
2020-2021 .....	115,000	359	41,300	30,900	10,400	18.40	(D)	(D)	760,051	(D)	(D)
2021-2022 .....	114,000	279	31,800	26,700	5,100	24.29	(D)	(D)	772,332	(D)	(D)
Valencia											
2019-2020 .....	28,000	385	10,800	8,300	2,500	18.39	(D)	(D)	198,613	(D)	(D)
2020-2021 .....	26,000	296	7,700	5,400	2,300	15.77	(D)	(D)	121,438	(D)	(D)
2021-2022 .....	26,000	331	8,600	6,200	2,400	24.47	(D)	(D)	200,182	(D)	(D)
All											
2019-2020 .....	145,000	373	54,100	42,600	11,500	15.86	(D)	(D)	858,093	(D)	(D)
2020-2021 .....	141,000	348	49,000	36,300	12,700	17.99	(D)	(D)	881,489	(D)	(D)
2021-2022 .....	140,000	289	40,400	32,900	7,500	24.07	(D)	(D)	972,514	(D)	(D)
<b>Florida</b>											
Non-Valencia											
2019-2020 .....	146,000	203	29,650	1,510	28,140	11.05	13.65	10.91	327,619	20,612	307,007
2020-2021 .....	138,700	164	22,700	1,538	21,162	12.18	18.81	11.70	276,525	28,930	247,595
2021-2022 .....	125,400	146	18,250	1,334	16,916	11.07	19.27	10.42	201,971	25,706	176,265
Valencia											
2019-2020 .....	204,900	184	37,750	1,723	36,027	13.50	14.05	13.47	509,492	24,208	485,284
2020-2021 .....	204,200	148	30,250	1,732	28,518	14.29	18.94	14.00	432,056	32,804	399,252
2021-2022 .....	191,700	119	22,800	1,258	21,542	12.68	20.66	12.22	289,233	25,990	263,243
All											
2019-2020 .....	350,900	192	67,400	3,233	64,167	12.42	13.86	12.35	837,111	44,820	792,291
2020-2021 .....	342,900	155	52,950	3,270	49,680	13.38	18.88	13.02	708,581	61,734	646,847
2021-2022 .....	317,100	129	41,050	2,592	38,458	11.97	19.94	11.43	491,204	51,696	439,508

See footnote(s) at end of table.

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**Orange Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2019-2020, 2020-2021, and 2021-2022 (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											
2019-2020 .....	6,000	192	1,150	800	350	10.70	(D)	(D)	12,305	(D)	(D)
2020-2021 .....	5,800	173	1,000	776	224	21.23	(D)	(D)	21,229	(D)	(D)
2021-2022 .....	4,300	40	170	96	74	19.56	(D)	(D)	3,325	(D)	(D)
<b>Valencia</b>											
2019-2020 .....	1,800	106	190	190	-	21.63	(D)	(D)	4,110	(D)	(D)
2020-2021 .....	2,000	25	50	17	33	9.06	(D)	(D)	453	(D)	(D)
2021-2022 .....	2,200	14	30	19	11	14.80	(D)	(D)	444	(D)	(D)
<b>All</b>											
2019-2020 .....	7,800	172	1,340	990	350	12.25	(D)	(D)	16,415	(D)	(D)
2020-2021 .....	7,800	135	1,050	793	257	20.65	(D)	(D)	21,682	(D)	(D)
2021-2022 .....	6,500	31	200	115	85	18.85	(D)	(D)	3,769	(D)	(D)
<b>United States</b>											
Early, midseason, and Navel											
2019-2020 .....	269,000	275	74,100	36,610	37,490	13.49	19.05	8.05	999,404	697,504	301,900
2020-2021 .....	259,500	250	65,000	33,214	31,786	16.27	24.33	7.85	1,057,805	808,221	249,584
2021-2022 .....	243,700	206	50,220	28,130	22,090	19.47	28.45	8.03	977,628	800,218	177,410
<b>Valencia</b>											
2019-2020 .....	234,700	208	48,740	10,213	38,527	14.61	21.76	12.72	712,215	222,206	490,009
2020-2021 .....	232,200	164	38,000	7,149	30,851	14.58	20.75	13.15	553,947	148,360	405,587
2021-2022 .....	219,900	143	31,430	7,477	23,953	15.59	28.75	11.48	489,859	214,950	274,909
<b>All</b>											
2019-2020 .....	503,700	244	122,840	46,823	76,017	13.93	19.64	10.42	1,711,619	919,710	791,909
2020-2021 .....	491,700	209	103,000	40,363	62,637	15.65	23.70	10.46	1,611,752	956,581	655,171
2021-2022 .....	463,600	176	81,650	35,607	46,043	17.97	28.51	9.83	1,467,487	1,015,168	452,319

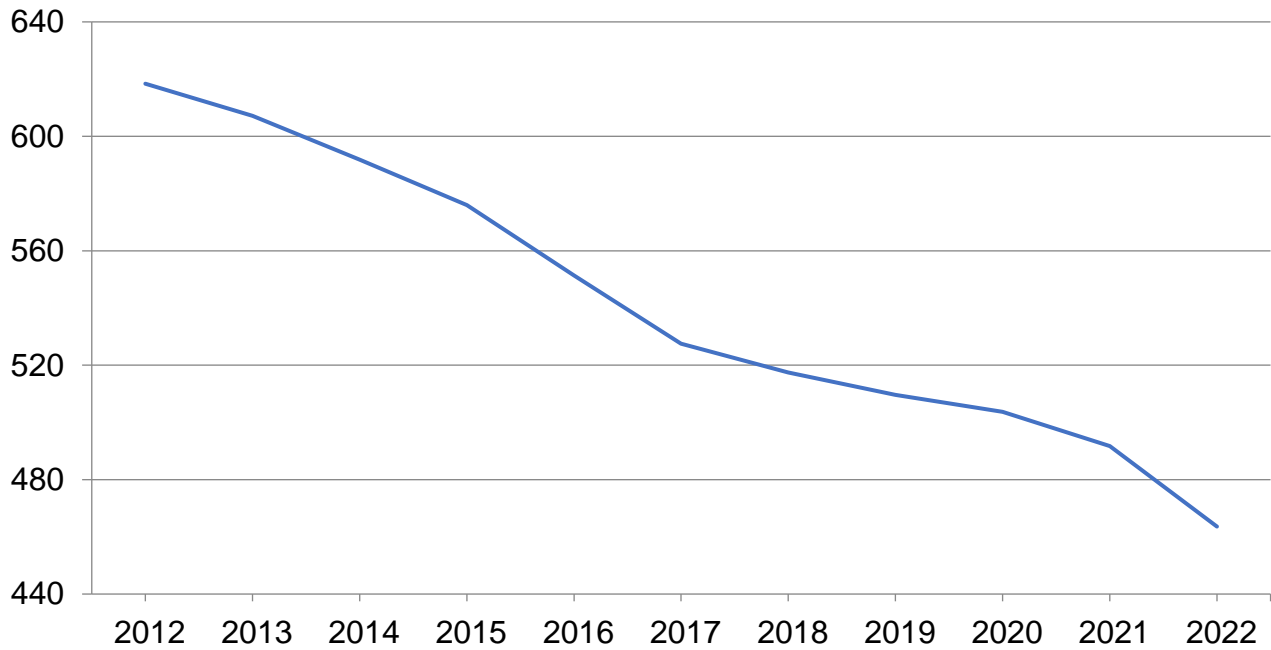
- Represents zero.

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

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

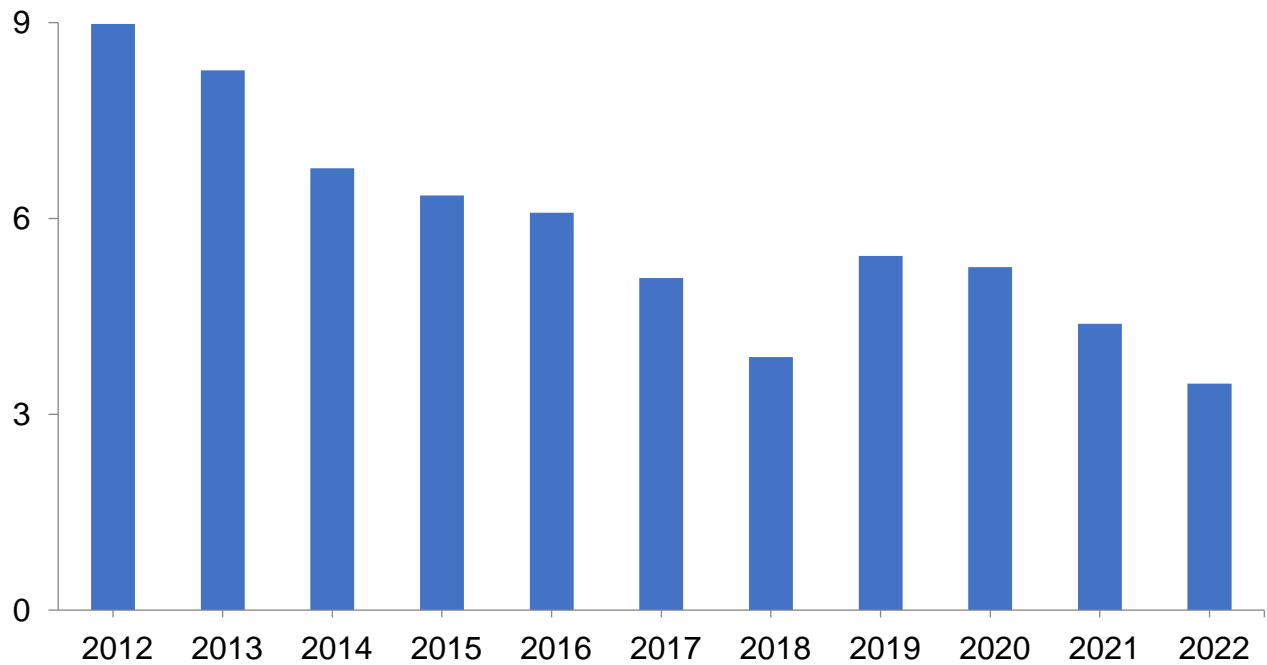
## Bearing Acres of Oranges – United States

Thousand acres



## Utilized Orange Production – United States

Million tons



## Grapefruit Acreage, Yield, Utilization, Price, and Value by Type – States and United States: 2019-2020, 2020-2021, and 2021-2022

[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 <sup>2</sup></b>											
2019-2020 .....	8,700	540	4,700	3,700	1,000	17.85	(D)	(D)	83,885	(D)	(D)
2020-2021 .....	8,900	472	4,200	3,600	600	27.09	(D)	(D)	113,802	(D)	(D)
2021-2022 .....	9,000	456	4,100	2,200	1,900	15.62	(D)	(D)	64,024	(D)	(D)
<b>Florida</b>											
<b>White <sup>3</sup></b>											
2019-2020 .....	3,700	214	790	195	595	11.05	13.35	10.30	8,732	2,603	6,129
2020-2021 <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2021-2022 <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Red</b>											
2019-2020 .....	18,000	226	4,060	1,942	2,118	13.92	18.45	9.76	56,502	35,830	20,672
2020-2021 <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2021-2022 <sup>4</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>All</b>											
2019-2020 .....	21,700	224	4,850	2,137	2,713	13.70	18.49	9.93	66,453	39,513	26,940
2020-2021 .....	18,800	218	4,100	1,987	2,113	17.58	25.27	10.35	72,081	50,211	21,870
2021-2022 .....	15,900	209	3,330	1,826	1,504	21.19	28.45	12.38	70,570	51,950	18,620
<b>Texas</b>											
2019-2020 .....	16,000	275	4,400	2,050	2,350	11.01	(D)	(D)	48,471	(D)	(D)
2020-2021 .....	15,000	160	2,400	1,450	950	19.08	(D)	(D)	45,789	(D)	(D)
2021-2022 .....	12,000	140	1,700	830	870	19.97	(D)	(D)	33,945	(D)	(D)
<b>United States <sup>2</sup></b>											
2019-2020 .....	46,400	301	13,950	7,887	6,063	14.25	21.16	5.26	198,809	166,919	31,890
2020-2021 .....	42,700	251	10,700	7,037	3,663	21.65	29.53	6.52	231,672	207,772	23,900
2021-2022 .....	36,900	247	9,130	4,856	4,274	18.46	30.22	5.10	168,539	146,741	21,798

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

(NA) Not available.

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

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

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

<sup>4</sup> Beginning in 2020-2021 estimates discontinued.

## Lemon, Tangerine and Mandarin Acreage, Yield, Utilization, Price, and Value – States and United States: 2019-2020, 2020-2021, and 2021-2022

[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											
2019-2020 .....	7,300	247	1,800	1,300	500	27.77	(D)	(D)	50,002	(D)	(D)
2020-2021 .....	7,000	107	750	588	162	27.91	(D)	(D)	20,931	(D)	(D)
2021-2022 .....	6,800	140	950	666	284	26.13	(D)	(D)	24,820	(D)	(D)
California											
2019-2020 .....	50,000	506	25,300	17,500	7,800	24.31	(D)	(D)	614,933	(D)	(D)
2020-2021 .....	50,000	428	21,400	17,200	4,200	29.94	(D)	(D)	640,692	(D)	(D)
2021-2022 .....	52,000	479	24,900	16,100	8,800	22.11	(D)	(D)	550,625	(D)	(D)
United States											
2019-2020 .....	57,300	473	27,100	18,800	8,300	24.54	(D)	(D)	664,935	(D)	(D)
2020-2021 .....	57,000	389	22,150	17,788	4,362	29.87	(D)	(D)	661,623	(D)	(D)
2021-2022 .....	58,800	440	25,850	16,766	9,084	22.26	(D)	(D)	575,445	(D)	(D)
<b>Tangerines and mandarins <sup>2</sup></b>											
California											
2019-2020 .....	66,000	339	22,400	17,400	5,000	35.49	(D)	(D)	795,034	(D)	(D)
2020-2021 .....	67,000	430	28,800	19,300	9,500	28.75	(D)	(D)	827,905	(D)	(D)
2021-2022 .....	69,000	252	17,400	12,400	5,000	38.85	(D)	(D)	676,030	(D)	(D)
Florida											
2019-2020 .....	7,900	129	1,020	638	382	25.56	37.00	6.45	26,070	23,606	2,464
2020-2021 .....	7,800	114	890	599	291	24.82	33.55	6.85	22,089	20,096	1,993
2021-2022 .....	7,200	104	750	484	266	31.12	44.85	6.15	23,343	21,707	1,636
United States											
2019-2020 .....	73,900	317	23,420	18,038	5,382	35.06	45.59	-0.25	821,104	822,440	-1,336
2020-2021 .....	74,800	397	29,690	19,899	9,791	28.63	42.72	0	849,994	849,996	-2
2021-2022 .....	76,200	238	18,150	12,884	5,266	38.53	54.33	-0.12	699,373	699,987	-614

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

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

<sup>2</sup> Includes tangelos.

## Citrus Prices

Revised United States monthly average prices and equivalent returns, and marketing year average prices for the 2020-21 and 2021-22 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 2021-22 as shown on all citrus tables in this publication refers to the crop which bloomed in 2021 and was marketed during the 2021-22 season.

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 22 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 Season – United States: 2020-2021 and 2021-2022

[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>2020-2021</b>							
September .....	38.00	18.63	27.41	(D)	15.62	24.46	(D)
October .....	42.90	26.90	32.06	(D)	23.96	29.16	(D)
November .....	37.90	21.98	27.14	3.02	19.03	24.22	-0.04
December .....	35.10	14.30	24.40	9.50	11.30	21.50	6.46
January .....	33.60	13.96	22.87	9.76	10.95	19.95	6.70
February .....	34.10	15.88	23.41	8.01	12.88	20.47	4.94
March .....	33.20	14.65	22.52	10.86	11.58	19.55	7.76
April .....	32.50	14.42	21.85	11.37	11.36	18.88	8.26
May .....	33.50	15.88	22.78	11.17	12.83	19.81	8.07
June .....	33.10	14.08	22.39	(D)	11.05	19.43	(D)
July .....	31.90	16.81	21.32	(D)	13.79	18.36	(D)
August .....	32.60	15.07	22.07	(D)	12.14	19.13	(D)
<b>2021-2022</b>							
September .....	32.80	15.51	22.27	(D)	12.49	19.33	(D)
October .....	36.30	21.03	25.48	(D)	18.00	22.48	(D)
November .....	36.60	21.24	25.84	4.91	18.21	22.84	1.79
December .....	36.30	15.01	25.54	9.44	11.95	22.57	6.35
January .....	37.50	15.57	26.89	9.72	12.51	23.91	6.62
February .....	39.30	18.43	28.64	10.03	15.37	25.66	6.89
March .....	39.10	17.54	27.95	10.39	14.47	24.97	7.25
April .....	39.70	17.95	29.11	10.77	14.87	26.14	7.62
May .....	41.90	20.86	31.32	9.29	17.80	28.35	6.14
June .....	44.00	24.69	33.44	(D)	21.66	30.46	(D)
July .....	41.90	22.40	31.27	(D)	19.36	28.31	(D)

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

## Grapefruit Average Prices and Equivalent Returns by Season – United States: 2020-2021 and 2021-2022

[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)
<b>2020-2021</b>							
September .....	32.90	17.35	(D)	(D)	14.32	(D)	(D)
October .....	38.50	26.46	28.42	7.88	23.96	25.97	4.89
November .....	40.40	23.89	29.31	6.88	21.42	26.92	4.17
December .....	38.60	18.96	27.49	6.04	16.57	25.16	3.54
January .....	36.50	19.75	25.21	10.50	17.01	22.92	7.00
February .....	38.30	14.20	27.08	6.31	11.68	24.71	3.70
March .....	37.30	18.58	26.89	9.43	15.45	24.14	5.88
April .....	(D)	25.68	(D)	(D)	22.80	(D)	(D)
May .....	(D)	30.15	(D)	(D)	27.44	(D)	(D)
June .....	(D)	26.31	(D)	(D)	23.44	(D)	(D)
July .....	(D)	27.65	(D)	(D)	24.84	(D)	(D)
August .....	(D)	26.09	(D)	(D)	23.21	(D)	(D)
<b>2021-2022</b>							
September .....	(D)	29.30	(D)	(D)	26.59	(D)	(D)
October .....	(D)	28.51	(D)	(D)	25.64	(D)	(D)
November .....	47.30	23.87	35.50	(D)	21.03	33.00	(D)
December .....	44.20	20.17	32.32	5.32	17.41	29.85	2.20
January .....	43.30	18.44	31.51	7.22	15.71	29.11	4.22
February .....	41.50	16.07	29.51	7.83	13.12	26.96	4.64
March .....	40.20	14.60	28.31	6.73	11.55	25.62	3.48
April .....	42.10	19.09	33.05	3.03	16.38	30.64	-0.02
May .....	(D)	10.65	(D)	(D)	7.10	(D)	(D)
June .....	(D)	21.98	(D)	(D)	19.04	(D)	(D)
July .....	(D)	16.11	(D)	(D)	12.91	(D)	(D)

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



## Lemon Average Prices and Equivalent Returns by Season – United States: 2020-2021 and 2021-2022

[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)
<b>2020-2021</b>							
August .....	47.00	28.07	36.36	(D)	21.50	29.44	(D)
September .....	45.90	28.47	35.28	(D)	21.85	28.36	(D)
October .....	46.80	31.11	36.17	(D)	24.41	29.25	(D)
November .....	47.70	32.20	37.03	(D)	25.48	30.11	(D)
December .....	46.90	29.85	36.25	(D)	23.20	29.33	(D)
January .....	45.30	28.62	34.71	(D)	21.98	27.79	(D)
February .....	45.10	25.83	34.47	(D)	19.30	27.55	(D)
March .....	44.90	27.29	34.26	(D)	20.69	27.34	(D)
April .....	44.20	26.70	33.56	(D)	20.10	26.64	(D)
May .....	46.40	32.60	35.76	(D)	25.82	28.84	(D)
June .....	53.60	36.51	42.96	(D)	29.83	36.04	(D)
July .....	55.30	37.35	44.66	(D)	30.69	37.74	(D)
<b>2021-2022</b>							
August .....	52.40	34.30	41.76	(D)	27.67	34.84	(D)
September .....	51.00	31.47	40.36	(D)	24.90	33.44	(D)
October .....	48.20	32.49	37.53	(D)	25.79	30.61	(D)
November .....	45.50	28.89	34.88	(D)	22.24	27.96	(D)
December .....	46.20	26.48	35.52	(D)	19.95	28.60	(D)
January .....	44.10	24.81	33.48	(D)	18.29	26.56	(D)
February .....	44.30	19.26	33.65	(D)	13.00	26.73	(D)
March .....	43.20	20.49	32.52	(D)	14.12	25.60	(D)
April .....	38.70	18.77	28.06	(D)	12.35	21.14	(D)
May .....	39.40	18.18	28.76	(D)	11.84	21.84	(D)
June .....	40.10	17.90	29.46	(D)	11.60	22.54	(D)
July .....	40.30	15.27	29.66	(D)	9.06	22.74	(D)

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

**Marketing Year Average Prices Received for Oranges – States and United States: 2020-2021 and 2021-2022**

State, type, and utilization	2020-2021			2021-2022		
	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)	18.40	15.41	(NA)	24.29	21.32
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia .....	(NA)	15.77	12.77	(NA)	24.47	21.48
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
All .....	(NA)	17.99	15.00	(NA)	24.07	21.10
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Florida</b>						
Non-Valencia .....	(NA)	12.18	9.02	(NA)	11.07	7.91
Fresh .....	31.90	18.81	15.51	32.30	19.27	15.97
Processing .....	(NA)	11.70	8.55	(NA)	10.42	7.27
Valencia .....	(NA)	14.29	10.97	(NA)	12.68	9.37
Fresh .....	32.00	18.94	15.44	33.70	20.66	17.16
Processing .....	(NA)	14.00	10.70	(NA)	12.22	8.92
All .....	(NA)	13.38	10.14	(NA)	11.97	8.72
Fresh .....	32.00	18.88	15.47	33.00	19.94	16.55
Processing .....	(NA)	13.02	9.78	(NA)	11.43	8.19
<b>Texas</b>						
Early and midseason .....	(NA)	21.23	19.44	(NA)	19.56	17.81
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Valencia .....	(NA)	9.06	7.34	(NA)	14.80	13.03
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
All .....	(NA)	20.65	18.86	(NA)	18.85	17.10
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>United States</b>						
Early, midseason, and Navel .....	(NA)	16.27	13.24	(NA)	19.47	16.43
Fresh .....	35.00	24.33	21.40	39.10	28.45	25.49
Processing .....	(NA)	7.85	4.72	(NA)	8.03	4.89
Valencia .....	(NA)	14.58	11.33	(NA)	15.59	12.36
Fresh .....	34.00	20.75	17.68	36.30	28.75	25.72
Processing .....	(NA)	13.15	9.86	(NA)	11.48	8.19
All .....	(NA)	15.65	12.54	(NA)	17.97	14.86
Fresh .....	34.40	23.70	20.74	38.80	28.51	25.54
Processing .....	(NA)	10.46	7.25	(NA)	9.83	6.60

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

**Marketing Year Average Prices Received for Grapefruit – States and United States: 2020-2021 and 2021-2022**

State, type, and utilization	2020-2021			2021-2022		
	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)	27.09	24.32	(NA)	15.62	12.38
Fresh .....	(D)	(D)	(D)	36.10	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Florida</b> .....	(NA)	17.58	14.37	(NA)	21.19	17.97
Fresh .....	37.70	25.27	22.37	40.90	28.45	25.55
Processing .....	(NA)	10.35	6.85	(NA)	12.38	8.78
<b>Texas</b> .....	(NA)	19.08	17.53	(NA)	19.97	18.43
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>United States</b> <sup>1</sup> .....	(NA)	21.65	18.99	(NA)	18.46	15.55
Fresh .....	38.90	29.53	27.07	41.70	30.22	27.69
Processing .....	(NA)	6.52	3.47	(NA)	5.10	1.74

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

(NA) Not available.

<sup>1</sup> Includes pummelos.

<sup>2</sup> Beginning in 2020-2021 estimates discontinued.

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

**Marketing Year Average Prices Received for Lemons, Tangerines and Mandarins – States and United States: 2020-2021 and 2021-2022**

Crop, State, and utilization	2020-2021			2021-2022		
	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)	27.91	21.30	(NA)	26.13	19.63
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
California .....	(NA)	29.94	23.30	(NA)	22.11	15.69
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
United States .....	(NA)	29.87	23.23	(NA)	22.26	15.84
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
<b>Tangerines and mandarins <sup>1</sup></b>						
California .....	(NA)	28.75	24.97	(NA)	38.85	35.16
Fresh .....	(D)	(D)	(D)	(D)	(D)	(D)
Processing .....	(NA)	(D)	(D)	(NA)	(D)	(D)
Florida .....	(NA)	24.82	19.59	(NA)	31.12	26.33
Fresh .....	47.60	33.55	28.70	60.00	44.85	40.25
Processing .....	(NA)	6.85	0.85	(NA)	6.15	1.00
United States .....	(NA)	28.63	24.81	(NA)	38.53	34.79
Fresh .....	52.35	42.72	39.49	64.04	54.33	51.11
Processing .....	(NA)	0	-5.03	(NA)	-0.12	-5.12

(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: 2019-2020, 2020-2021, and 2021-2022

State	Crop year		
	2019-2020 (pounds)	2020-2021 (pounds)	2021-2022 (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
Deonne Holiday – Almonds, Asparagus, Carrots, Coffee, Cranberries, Onions, Plums, Prunes, Sweet Corn, Tobacco .....	(202) 720-4288
Robert Little – Apricots, Dry Beans, Lettuce, Macadamia, Maple Syrup, Nectarines, Pears, Snap Beans, Spinach, Tomatoes .....	(202) 720-3250
Krishna Rizal – Artichokes, Cauliflower, Celery, Garlic, Grapefruit, Kiwifruit, Lemons, Mandarins and tangerines, Mint, Mushrooms, Olives, Oranges, Pistachios.....	(202) 720-5412
Chris Singh – Apples, Blueberries, Cucumbers, Hazelnuts, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes.....	(202) 720-4285
Antonio Torres – Cantaloupes, Dry Edible Peas, Green Peas, Honeydews, Lentils, Papayas, Peaches, Sweet Cherries, Tart Cherries, Walnuts, Watermelons.....	(202) 720-2157
Chris Wallace – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans .....	(202) 720-4215



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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).

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