

# 2018 California Citrus Acreage Report



California Department of Food and Agriculture, California Agricultural Statistics Service

Cooperating with the USDA, National Agricultural Statistics Service, Pacific Regional Office

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Released: August 3, 2018

## RESULTS

The Pacific Regional Office of the USDA's National Agricultural Statistics Service (NASS) conducts an acreage survey of California citrus growers as funding is available. The purpose of this survey is to provide annual citrus acreage with information on new plantings and removals. It is a continuation of a long series of industry-funded citrus acreage surveys.

Users are cautioned that this report consists of two parts:

- Table 1 shows estimated statewide bearing acreage for the 2015-16 to 2016-17 seasons.
- Tables 2, 3, and 4 show detailed acreage data by type, variety, and year planted -- as voluntarily reported by citrus growers and maintained in NASS' database.

With perfect information, the estimated statewide bearing acreage and the detailed acreage data would be the same. Generally, this will not be the case for the following reasons:

- A voluntary survey of approximately 4,600 citrus growers is unlikely to ever attain 100 percent completeness.
- It is difficult for USDA, NASS to detect growers who are planting citrus for the first time.

TABLE 1 - ESTIMATED STATEWIDE BEARING ACREAGE <sup>1/2/</sup>

Type	2015-16	2016-17
Grapefruit <sup>3/</sup>	9,500	9,500
Lemons	47,000	47,000
Oranges, Navel	125,000	125,000
Oranges, Valencia	32,000	30,000
Mandarins & Mandarin Hybrids	57,000	57,000

<sup>1/</sup> Reported data with an allowance for incompleteness.

<sup>2/</sup> Statewide bearing acreage estimates for 2017-18 will be released on August 28, 2018.

<sup>3/</sup> Included Pummelos and Hybrids.

## PROCEDURES

The major source of the citrus detailed acreage data was a questionnaire mailed to all citrus growers included on NASS' database. The mailing was made in January 2018 to approximately 4,600 citrus growers. The questionnaire contained previously reported crop, variety, and acreage information preprinted. Producers were asked to update the information with new plantings, removals, and any other corrections; and new growers were mailed a blank questionnaire. Growers were given about eight weeks to respond by mail. A telephone follow-up was then undertaken. Field personnel personally visited large growers who did not respond by mail.

To arrive at the estimated statewide bearing acreage, the NASS citrus acreage database was compared with Census of Agriculture data and pesticide application data maintained by County Agricultural Commissioners and the Department of Pesticide Regulation.

## ACKNOWLEDGMENTS

We thank the many farm operators, owners, and management firms providing the information. Funding was provided by the California citrus industry.

TABLE 2 - DETAILED CALIFORNIA CITRUS ACREAGE, 2016 and 2018

Type	Acres standing in 2016			Acres standing in 2018		
	Bearing	Non-bearing	Total	Bearing	Non-bearing	Total
Grapefruit <sup>1/</sup>	8,218	276	8,493	8,028	199	8,226
Lemons	41,487	3,134	44,621	41,858	3,532	45,389
Limes	482	149	631	609	21	630
Oranges, Navel	116,672	4,112	120,784	113,163	4,175	117,338
Oranges, Valencia	29,738	168	29,906	28,218	430	28,648
Pummelos and Hybrids	1,117	27	1,144	1,118	43	1,160
Mandarins & Mandarin Hybrids	50,387	8,554	58,941	57,125	4,158	61,282

<sup>1/</sup> Excludes Pummelos and Hybrids.

TABLE 3 - CITRUS ACREAGE BY TYPE, COUNTY AND YEAR PLANTED, 2018 <sup>1/</sup>

Type and County	2010 and earlier	2011	2012	2013	2014	2015	2016	2017	2018	Acres standing in 2018		
										Bearing	Non-bearing	Total
Acres												
<b>Grapefruit</b> <sup>2/3/</sup>												
Fresno	229	75	8	46	28	0	0	0	11	357	39	396
Imperial	892	0	0	0	0	0	0	0	0	892	0	892
Kern	574	26	0	0	0	22	0	0	0	600	22	622
Riverside	3,685	38	1	2	19	2	0	2	0	3,744	4	3,748
San Bernardino	341	0	5	5	0	0	0	0	0	351	0	351
San Diego	963	7	8	17	0	14	0	2	0	994	16	1,010
Tulare	899	20	47	0	38	0	31	11	23	966	102	1,068
Ventura	94	0	0	0	0	0	2	13	0	94	15	109
All Other Counties	29	0	0	0	0	0	0	0	0	29	0	29
STATE TOTAL	7,706	165	69	69	85	38	33	28	33	8,028	199	8,226
<b>Lemons</b>												
Fresno	1,367	26	30	4	0	21	147	97	25	1,427	291	1,717
Imperial	3,598	60	20	99	0	77	0	0	0	3,777	77	3,854
Kern	3,064	0	32	0	9	1	40	60	0	3,096	110	3,206
Monterey	896	0	0	0	0	0	0	0	0	896	0	896
Orange	362	3	0	1	0	4	6	0	0	365	10	375
Riverside	4,650	49	41	18	3	111	138	62	5	4,757	319	5,076
San Bernardino	85	70	70	0	0	160	160	0	0	225	320	545
San Diego	2,181	20	8	10	1	36	8	4	4	2,219	53	2,272
San Luis Obispo	1,490	25	55	9	5	15	15	0	0	1,579	35	1,614
Santa Barbara	1,394	17	0	10	0	0	0	1	0	1,420	1	1,420
Tulare	4,964	108	193	426	363	325	359	374	256	5,691	1,676	7,367
Ventura	15,958	59	112	200	67	152	133	200	90	16,329	641	16,969
All Other Counties	78	1	0	0	0	0	0	0	0	79	0	79
STATE TOTAL	40,083	437	561	776	447	902	1,007	796	379	41,858	3,532	45,389
<b>Limes</b>												
Imperial	90	11	0	0	0	0	0	0	0	101	0	101
Riverside	65	5	0	125	0	0	0	6	0	194	6	200
San Diego	234	12	2	0	0	3	0	3	0	247	6	253
All Other Counties	49	6	5	9	4	1	0	3	0	66	10	76
STATE TOTAL	438	34	7	134	4	3	0	12	0	609	21	630
<b>Oranges, Navel</b>												
Butte	118	0	0	0	0	0	0	0	0	118	0	118
Fresno	17,812	213	257	338	184	264	230	96	78	18,803	668	19,472
Glenn	209	0	0	0	0	0	0	0	0	209	0	209
Kern	24,061	32	93	19	71	268	267	49	69	24,276	652	24,927
Kings	152	20	0	0	0	0	0	0	0	172	0	172
Madera	1,680	0	0	16	0	9	8	0	0	1,696	17	1,713
Riverside	1,364	41	5	2	1	2	0	1	0	1,413	2	1,415
San Bernardino	1,220	4	5	1	0	1	0	1	0	1,230	1	1,231
San Diego	349	8	1	39	5	0	0	3	0	402	3	405
Tulare	60,909	699	990	888	511	893	836	693	363	63,998	2,785	66,783
Ventura	608	0	1	0	0	14	0	1	0	610	16	625
Yolo	84	0	0	0	0	0	0	0	0	84	0	84
All Other Counties	141	8	3	0	1	1	1	0	30	154	32	184
STATE TOTAL	108,707	1,025	1,354	1,304	773	1,451	1,342	842	540	113,163	4,175	117,338
<b>Oranges, Valencia</b>												
Fresno	1,932	0	11	0	10	6	0	198	0	1,953	204	2,157
Imperial	117	0	0	0	0	0	0	0	0	117	0	117
Kern	4,272	0	0	0	0	0	0	0	60	4,272	60	4,332
Madera	894	0	0	0	0	0	0	0	0	894	0	894
Orange	74	0	0	0	0	0	0	0	0	74	0	74
Riverside	899	3	1	1	4	0	5	0	0	908	5	913
San Bernardino	744	0	0	0	0	0	0	0	0	744	0	744
San Diego	3,226	0	6	6	14	1	0	0	111	3,252	112	3,364
San Luis Obispo	134	0	0	0	0	0	0	0	0	134	0	134
Tulare	12,164	1	0	0	9	2	0	8	8	12,175	18	12,192
Ventura	3,619	3	4	10	3	5	7	3	16	3,639	31	3,670
All Other Counties	56	0	0	0	0	0	0	0	0	56	0	56
STATE TOTAL	28,132	7	22	18	40	13	13	209	195	28,218	430	28,648
<b>Pummelos &amp; Hybrids</b>												
Fresno	66	3	20	0	0	0	0	0	0	89	0	89
Kern	86	0	0	0	0	0	0	0	0	86	0	86
Riverside	122	0	0	1	0	0	0	0	0	123	0	123
San Diego	49	5	0	0	0	0	0	0	0	54	0	54
Tulare	735	0	0	6	0	0	9	19	15	741	43	783
All Other Counties	25	0	0	0	0	0	0	0	0	25	0	25
STATE TOTAL	1,083	8	20	7	0	0	9	19	15	1,118	43	1,160

See footnotes at the end of Table 3.

**TABLE 3 Continued - CITRUS ACREAGE BY TYPE, COUNTY AND YEAR PLANTED, 2018 <sup>1/</sup>**

Type and County	2010 and earlier	2011	2012	2013	2014	2015	2016	2017	2018	Acres standing in 2018		
										Bearing	Non-bearing	Total
Acres												
<b>Mandarins &amp; Mandarin Hybrids</b>												
Butte	98	0	1	0	0	0	0	0	0	99	0	99
Fresno	6,368	575	398	206	179	459	379	201	14	8,184	595	8,779
Glenn	75	0	0	1	0	0	0	0	0	76	0	76
Imperial	1,227	35	0	0	0	20	0	0	13	1,282	13	1,295
Kern	13,979	1,547	413	331	420	1,865	1,065	392	0	18,554	1,457	20,011
Madera	3,009	61	271	210	4	40	51	23	140	3,594	214	3,808
Placer	142	1	7	0	0	1	1	0	0	150	1	151
Riverside	1,783	70	0	0	0	1	27	13	0	1,853	40	1,893
San Diego	555	18	6	6	1	7	4	0	0	593	5	598
Stanislaus	198	0	0	3	0	26	0	0	0	227	0	227
Tulare	12,481	1,362	1,446	1,743	1,076	2,470	1,051	414	298	20,578	1,763	22,342
Ventura	1,532	86	8	13	5	23	43	1	1	1,666	45	1,711
All Other Counties	225	2	41	1	0	0	7	18	0	270	25	294
<b>STATE TOTAL</b>	<b>41,670</b>	<b>3,756</b>	<b>2,589</b>	<b>2,515</b>	<b>1,685</b>	<b>4,911</b>	<b>2,628</b>	<b>1,064</b>	<b>466</b>	<b>57,125</b>	<b>4,158</b>	<b>61,282</b>

<sup>1/</sup> Shaded/bold area indicates non-bearing years. 'All Other Counties' include counties with less than 50 acres. Totals may not add between county and variety tables due to rounding.

<sup>2/</sup> Excludes Pummelos and Hybrids.

<sup>3/</sup> The non-bearing State total excludes the acres planted in 2014 in Riverside County.

**TABLE 4 - CITRUS ACREAGE BY TYPE, VARIETY AND YEAR PLANTED, 2018 <sup>1/</sup>**

Type and Variety	2010 and earlier	2011	2012	2013	2014	2015	2016	2017	2018	Acres standing in 2018		
										Bearing	Non-bearing	Total
Acres												
<b>Grapefruit</b>												
Rio Red	1,476	6	5	5	0	14	0	3	0	1,492	17	1,509
Ruby	791	0	0	0	0	1	0	0	8	791	9	800
Ruby Red	1,126	26	0	0	0	0	0	1	0	1,152	1	1,154
Star Ruby	2,164	98	44	18	64	22	14	18	0	2,343	99	2,442
All Other Varieties	2,149	35	19	47	21	1	19	6	26	2,250	72	2,322
<b>STATE TOTAL</b>	<b>7,706</b>	<b>165</b>	<b>69</b>	<b>69</b>	<b>85</b>	<b>38</b>	<b>33</b>	<b>28</b>	<b>33</b>	<b>8,028</b>	<b>199</b>	<b>8,226</b>
<b>Oranges, Navel</b>												
Blood	440	28	94	59	68	73	52	37	17	689	178	867
Cara Cara	4,793	237	355	268	272	493	334	354	40	5,925	1,222	7,146
Late Varieties <sup>2/</sup>	17,611	262	194	321	36	105	98	53	0	18,423	255	18,678
All Other Varieties	85,867	499	711	658	395	781	858	399	484	88,129	2,521	90,648
<b>STATE TOTAL</b>	<b>108,707</b>	<b>1,025</b>	<b>1,354</b>	<b>1,304</b>	<b>773</b>	<b>1,451</b>	<b>1,342</b>	<b>842</b>	<b>540</b>	<b>113,163</b>	<b>4,175</b>	<b>117,338</b>
<b>Pummelos &amp; Hybrids</b>												
Chandler	558	0	0	5	0	0	0	0	0	563	0	563
Melogold	123	0	0	0	0	0	0	0	0	123	0	123
Oroblanco	282	7	0	0	0	0	0	0	0	289	0	289
All Other Varieties	120	1	20	2	0	0	9	19	15	143	43	185
<b>STATE TOTAL</b>	<b>1,083</b>	<b>8</b>	<b>20</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>19</b>	<b>15</b>	<b>1,118</b>	<b>43</b>	<b>1,160</b>
<b>Mandarin &amp; Mandarin Hybrids</b>												
<b>Mandarins/Tangerines</b>												
<b>Clementines</b>												
Algerian/Clementine	541	49	81	8	0	14	18	17	0	693	35	728
Caffin/Clementine	1,233	512	96	159	41	258	113	83	0	2,298	196	2,493
Clemenules (Nules)	7,588	85	18	146	88	67	87	98	0	7,992	185	8,178
Fina Sodea/Clementine	958	500	0	2	12	0	25	0	0	1,470	25	1,495
Oro Grande/Clementine	141	0	0	0	0	0	0	0	0	141	0	141
Gold Nugget	735	173	144	117	139	320	136	41	0	1,627	176	1,804
Fairchild	557	0	0	0	0	0	27	13	0	557	40	597
Pixie	215	17	3	9	0	4	0	0	1	248	1	249
Satsuma	1,838	39	24	109	93	62	11	110	19	2,166	139	2,305
Shasta Gold	79	0	0	0	4	0	0	0	0	83	0	83
Tango	6,294	1,153	1,528	614	486	1,922	1,247	589	282	11,997	2,118	14,114
W. Murcott Afourer	9,872	5	144	42	10	40	46	0	0	10,113	46	10,159
All Other Varieties	5,959	1,102	503	1,295	810	2,225	915	103	164	11,893	1,182	13,075
<b>Tangelos</b>												
Minneola	5,529	122	48	8	4	0	5	2	0	5,711	7	5,717
All Other Varieties	5,303	122	48	5	4	0	5	0	0	5,482	5	5,487
<b>Tangors/Temples</b>												
Royal Mandarin	131	0	0	7	0	0	0	8	0	139	8	147
All Other Varieties	110	0	0	7	0	0	0	0	0	118	0	118
<b>STATE TOTAL</b>	<b>41,670</b>	<b>3,756</b>	<b>2,589</b>	<b>2,515</b>	<b>1,685</b>	<b>4,911</b>	<b>2,628</b>	<b>1,064</b>	<b>466</b>	<b>57,125</b>	<b>4,158</b>	<b>61,282</b>

<sup>1/</sup> Shaded/bold area indicates non-bearing years. Totals may not add between county and variety tables due to rounding.

<sup>2/</sup> Includes Autumn Gold, Barnfield, Chislett, Lane Late, and Powell varieties.

