

# 2016 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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## 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 2013-14 to 2014-15 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 4,300 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 1/ 2/

Type	2013-14	2014-15
Grapefruit 3/	9,800	9,800
Lemons	46,000	47,000
Oranges, Navel	130,000	129,000
Oranges, Valencia	36,000	34,000
Mandarins & Mandarin Hybrids	46,000	52,000

1/ Reported data with an allowance for incompleteness.

2/ Statewide bearing acreage estimates for 2015-16 will be released on September 12, 2016.

3/ 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 2016 to approximately 4,300 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, 2014 and 2016

Type	Acres standing in 2014			Acres standing in 2016		
	Bearing	Non-bearing	Total	Bearing	Non-bearing	Total
Grapefruit 1/	8,316	379	8,695	8,218	276	8,493
Lemons	41,882	2,103	43,985	41,487	3,134	44,621
Limes	451	59	510	482	149	631
Oranges, Navel	122,882	3,336	126,217	116,672	4,112	120,784
Oranges, Valencia	33,828	157	33,985	29,738	168	29,906
Pummelos and Hybrids	1,312	25	1,337	1,117	27	1,144
Mandarins & Mandarin Hybrids	44,347	1,925	46,272	50,387	8,554	58,941

1/ Excludes Pummelos and Hybrids.

**TABLE 3 - CITRUS ACREAGE BY TYPE, COUNTY AND YEAR PLANTED, 2016 1/**

Type and County	2008 and earlier	2009	2010	2011	2012	2013	2014	2015	2016	Acres standing in 2016		
										Bearing	Non-bearing	Total
Acres												
<b>Grapefruit 2/</b>												
Fresno	228	0	0	75	0	46	21	0	0	303	67	370
Imperial	843	63	0	0	0	0	0	0	0	906	0	906
Kern	574	0	0	26	0	0	0	22	0	600	22	623
Riverside	3,658	72	85	37	1	2	19	4	10	3,853	34	3,887
San Bernardino	349	0	0	0	0	5	0	0	0	349	5	353
San Diego	1,100	0	4	6	4	17	0	14	0	1,114	31	1,145
Tulare	795	94	51	20	65	0	42	0	7	961	114	1,075
Ventura	103	1	0	0	0	0	0	0	2	104	2	106
All Other Counties	29	0	0	0	0	0	0	0	0	29	0	29
<b>STATE TOTAL</b>	<b>7,680</b>	<b>230</b>	<b>140</b>	<b>164</b>	<b>70</b>	<b>70</b>	<b>82</b>	<b>40</b>	<b>19</b>	<b>8,218</b>	<b>276</b>	<b>8,493</b>
<b>Lemons</b>												
Fresno	1,327	65	0	26	10	4	0	26	75	1,418	114	1,532
Imperial	3,655	63	0	60	20	99	0	77	0	3,778	196	3,974
Kern	2,994	15	60	0	27	0	0	1	69	3,069	96	3,165
Monterey	926	0	0	0	0	0	0	0	0	926	0	926
Orange	319	14	0	0	0	1	0	6	0	333	6	339
Riverside	4,872	1	11	49	1	18	3	111	63	4,933	195	5,128
San Bernardino	48	0	41	70	70	0	0	160	160	159	390	549
San Diego	2,274	12	19	6	8	10	0	2	31	2,311	51	2,361
San Luis Obispo	1,589	0	0	25	49	8	5	8	0	1,614	70	1,684
Santa Barbara	1,415	6	1	17	0	10	0	0	0	1,439	10	1,449
Tulare	4,393	421	208	108	184	441	335	236	240	5,129	1,436	6,565
Ventura	15,993	134	121	55	112	194	60	134	70	16,303	569	16,872
All Other Counties	65	0	11	1	0	0	0	0	0	78	0	78
<b>STATE TOTAL</b>	<b>39,869</b>	<b>731</b>	<b>471</b>	<b>417</b>	<b>481</b>	<b>784</b>	<b>402</b>	<b>761</b>	<b>706</b>	<b>41,487</b>	<b>3,134</b>	<b>44,621</b>
<b>Limes</b>												
Imperial	90	0	0	11	0	0	0	0	0	101	0	101
Riverside	69	0	0	5	0	115	0	0	0	74	115	189
San Diego	244	0	3	12	2	7	0	4	0	259	12	271
All Other Counties	46	1	1	6	1	14	0	1	0	47	22	69
<b>STATE TOTAL</b>	<b>449</b>	<b>1</b>	<b>4</b>	<b>34</b>	<b>3</b>	<b>136</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>482</b>	<b>149</b>	<b>631</b>
<b>Oranges, Navel</b>												
Butte	119	0	0	0	0	0	0	0	0	119	0	119
Fresno	18,568	244	257	180	258	226	215	191	97	19,507	728	20,235
Glenn	224	0	0	0	0	0	0	0	0	224	0	224
Kern	24,823	169	116	32	93	27	18	153	329	25,233	526	25,759
Kings	152	0	0	20	125	85	0	0	0	297	85	382
Madera	1,964	0	7	0	0	16	0	9	8	1,971	32	2,003
Riverside	1,415	3	15	41	5	3	0	1	0	1,478	4	1,482
San Bernardino	1,249	4	1	4	5	1	0	0	0	1,262	2	1,263
San Diego	405	0	7	8	7	45	3	0	0	428	48	476
Tulare	61,819	1,050	831	723	801	887	358	726	696	65,224	2,668	67,892
Ventura	674	4	1	0	1	0	0	14	2	681	16	697
Yolo	86	0	0	0	0	0	0	0	0	86	0	86
All Other Counties	147	3	2	8	3	1	1	1	0	163	2	165
<b>STATE TOTAL</b>	<b>111,645</b>	<b>1,478</b>	<b>1,237</b>	<b>1,016</b>	<b>1,296</b>	<b>1,290</b>	<b>595</b>	<b>1,096</b>	<b>1,131</b>	<b>116,672</b>	<b>4,112</b>	<b>120,784</b>
<b>Oranges, Valencia</b>												
Fresno	2,061	0	0	0	16	0	10	6	0	2,077	16	2,093
Imperial	130	0	0	0	0	0	0	0	0	130	0	130
Kern	4,438	0	0	0	0	74	0	0	0	4,438	74	4,512
Madera	960	0	0	0	0	0	0	0	0	960	0	960
Orange	75	0	0	0	0	0	0	0	0	75	0	75
Riverside	974	0	0	3	1	1	1	0	5	978	7	985
San Bernardino	769	0	2	0	0	0	0	0	0	771	0	771
San Diego	3,507	40	0	0	0	0	4	0	0	3,547	4	3,550
San Luis Obispo	134	0	0	0	0	0	0	0	5	134	5	139
Tulare	12,689	14	19	1	0	0	9	2	29	12,723	40	12,763
Ventura	3,830	11	0	3	4	4	3	5	10	3,849	21	3,870
All Other Counties	58	0	0	0	0	0	0	0	0	58	0	58
<b>STATE TOTAL</b>	<b>29,624</b>	<b>65</b>	<b>21</b>	<b>7</b>	<b>21</b>	<b>80</b>	<b>26</b>	<b>12</b>	<b>49</b>	<b>29,738</b>	<b>168</b>	<b>29,906</b>
<b>Pummelos &amp; Hybrids</b>												
Fresno	66	0	0	3	20	0	0	0	0	69	20	89
Imperial	86	0	0	0	0	0	0	0	0	86	0	86
Kern	131	0	0	0	0	1	0	0	0	131	1	132
Riverside	49	0	0	0	0	0	0	0	0	49	0	49
Tulare	731	14	0	11	0	6	0	0	0	756	6	762
All Other Counties	25	0	0	0	0	0	0	0	0	25	0	25
<b>STATE TOTAL</b>	<b>1,089</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>20</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,117</b>	<b>27</b>	<b>1,144</b>

TABLE 3 Continued - CITRUS ACREAGE BY TYPE, COUNTY AND YEAR PLANTED, 2016 1/

Type and County	2008 and earlier	2009	2010	2011	2012	2013	2014	2015	2016	Acres standing in 2016		
										Bearing	Non-bearing	Total
Acres												
<b>Mandarins &amp; Mandarin Hybrids</b>												
Butte	98	0	1	0	1	0	0	0	0	99	0	99
Fresno	4,950	1,067	426	427	327	154	132	355	299	7,349	787	8,136
Glenn	75	3	0	0	0	1	0	0	0	79	0	79
Imperial	950	115	78	35	0	0	0	20	0	1,178	20	1,198
Kern	10,542	1,367	2,093	1,570	413	326	420	1,883	1,639	16,310	3,941	20,251
Madera	2,732	237	163	61	257	210	4	40	0	3,659	44	3,703
Placer	142	0	1	1	7	0	0	0	0	151	0	151
Riverside	1,686	1	138	70	0	0	0	1	0	1,895	1	1,895
San Diego	522	4	46	18	4	6	1	7	0	600	7	608
Stanislaus	198	0	0	0	0	3	0	26	0	201	26	227
Tulare	8,913	2,274	1,328	1,353	1,408	1,638	994	1,863	794	16,914	3,651	20,565
Ventura	1,219	53	273	86	8	12	10	23	35	1,651	68	1,718
All Other Counties	170	12	35	2	81	0	0	0	9	301	9	311
STATE TOTAL	32,200	5,131	4,581	3,622	2,504	2,350	1,561	4,218	2,775	50,387	8,554	58,941

1/ 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.

2/ Excludes Pummelos and Hybrids.

TABLE 4 - CITRUS ACREAGE BY TYPE, VARIETY AND YEAR PLANTED, 2016 1/

Type and Variety	2008 and earlier	2009	2010	2011	2012	2013	2014	2015	2016	Acres standing in 2016		
										Bearing	Non-bearing	Total
Acres												
<b>Oranges, Navel</b>												
Blood	391	24	21	28	84	40	54	70	29	548	193	741
Cara Cara	4,278	179	288	190	393	265	204	345	149	5,329	963	6,291
Late Varieties 2/	17,021	347	383	238	197	239	20	86	43	18,185	386	18,572
All Other Varieties	89,958	930	547	562	622	748	317	597	911	92,612	2,572	95,182
STATE TOTAL	111,645	1,478	1,237	1,016	1,296	1,290	595	1,096	1,131	116,672	4,112	120,784
<b>Grapefruit</b>												
Rio Red	1,450	63	5	6	0	5	0	14	0	1,523	19	1,542
Ruby	860	5	1	0	0	0	0	3	0	867	3	870
Ruby Red	1,106	24	25	26	0	0	0	0	0	1,181	0	1,181
Star Ruby	2,142	83	99	97	51	18	57	22	7	2,424	151	2,575
All Other Varieties	2,121	55	10	35	19	47	25	1	12	2,223	103	2,326
STATE TOTAL	7,680	230	140	164	70	70	82	40	19	8,218	276	8,493
<b>Pummelos &amp; Hybrids</b>												
Chandler	558	14	0	0	0	5	0	0	0	572	5	577
Melogold	122	0	0	0	0	0	0	0	0	122	0	122
Oroblanco	306	0	0	2	0	0	0	0	0	308	0	308
All Other Varieties	103	0	0	12	20	2	0	0	0	116	22	137
STATE TOTAL	1,089	14	0	14	20	7	0	0	0	1,117	27	1,144
<b>Mandarin &amp; Mandarin Hybrids</b>												
<b>Mandarins/Tangerines</b>												
<u>Clementines</u>	26,784	4,822	4,446	3,502	2,454	2,335	1,557	4,191	2,775	44,343	8,523	52,866
Algerian/Clementine	7,901	1,507	1,001	1,107	226	256	139	119	55	11,996	311	12,307
Caffin/Clementine	510	35	0	49	81	0	0	0	0	675	0	675
Clemenules (Nules)	678	506	12	473	127	108	42	66	0	1,902	107	2,010
Fina Sodea/Clementine	6,267	947	355	85	18	146	85	53	30	7,819	168	7,986
Oro Grande/Clementine	324	0	634	500	0	2	12	0	25	1,459	36	1,495
Gold Nugget	122	19	0	0	0	0	0	0	0	141	0	141
Fairchild	524	93	111	182	133	131	144	229	55	1,174	428	1,601
Pixie	592	0	0	0	0	0	0	0	0	592	0	592
Satsuma	188	19	13	17	3	8	0	4	0	248	4	252
Shasta Gold	1,916	62	20	71	27	109	93	37	11	2,206	141	2,347
Tango	76	0	0	0	0	0	0	0	0	76	0	76
W. Murcott Afourer	1,629	2,181	2,240	1,077	1,435	528	356	1,703	941	9,089	3,000	12,089
All Other Varieties	9,734	182	34	5	144	42	10	40	46	10,142	95	10,237
<u>Tangelos</u>	4,227	778	1,026	1,045	487	1,262	818	2,059	1,668	8,824	4,544	13,368
Minneola	5,301	299	105	119	50	8	4	27	0	5,881	31	5,911
All Other Varieties	5,220	174	74	119	50	5	4	9	0	5,641	13	5,654
<u>Tangors/Temples</u>	81	125	31	0	0	3	0	18	0	239	18	257
Royal Mandarin	115	10	31	0	0	7	0	0	0	164	0	164
All Other Varieties	102	10	31	0	0	7	0	0	0	150	0	150
STATE TOTAL	14	0	0	0	0	0	0	0	0	14	0	14
STATE TOTAL	32,200	5,131	4,581	3,622	2,504	2,350	1,561	4,218	2,775	50,387	8,554	58,941

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

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

