



2019 California Walnut Acreage Report

Cooperating with the California Department of Food and Agriculture

Pacific Regional Office · P.O. Box 1258 · Sacramento, CA 95812 · (916) 738-6600 · (855) 270-2722 Fax · www.nass.usda.gov/ca

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The 2019 non-bearing and total acreage were revised based on the updated 2019 Walnut Nursery Sales Report.

RESULTS

California's 2019 walnut acreage is estimated at 440,000 acres, up 10 percent from 2017. Of the total acreage, 365,000 were bearing and 75,000 were non-bearing.

WALNUT BEARING AND NON-BEARING ACREAGE ^{1/}

Year ^{2/}	Bearing	Non-bearing	Total
2012	270,000	N/A	N/A
2013	280,000	45,000	325,000
2014	290,000	N/A	N/A
2015	300,000	65,000	365,000
2016	315,000	N/A	N/A
2017	335,000	65,000	400,000
2018	350,000	N/A	N/A
2019	365,000	75,000	440,000

^{1/} Reported data with an allowance for incompleteness.

^{2/} Beginning with 2003, acreage survey conducted every other year.

N/A Not available.

Of the walnut acreage reported, Chandler continues as the leading variety with 133,609 bearing acres. Tulare overtook Hartley for second place with 29,331 bearing acres.

San Joaquin County shows the largest acreage with 14 percent of the total, followed by Butte with 13 percent and Tulare with 10 percent each.

OBJECTIVES

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

This report consists of two parts:

- Estimated walnut acreage -- bearing, non-bearing, and total.
- Detailed data by variety, year planted, and county – as voluntarily reported by walnut growers and maintained in the NASS database.

With perfect information, the estimated walnut acreage and the detailed data would be the same. However, differences exist for the following reasons:

- A voluntary survey of approximately 4,900 walnut growers is unlikely to ever attain 100 percent completeness.
- It is difficult for USDA, NASS to detect growers that are planting walnuts for the first time.
- The detailed data reflects tree removals from over 15,000 acres during the past two years. Of this number, some acreage was harvested in 2019 prior to being pulled out, and that acreage has already been removed from the detailed data.

PROCEDURES

The major source of the walnut detailed data was a questionnaire mailed to all walnut growers included in the NASS database. The mailing was made to approximately 4,900 walnut growers in early November. 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; new growers were mailed a blank questionnaire. Producers were given six weeks to respond by mail. A telephone follow-up was then undertaken.

To arrive at the estimated walnut acreage, the NASS walnut acreage database was compared with pesticide application data maintained by County Agricultural Commissioners and the California Department of Pesticide Regulation. In addition, NASS looked at data collected on the Walnut Nursery Sales Survey.

ACKNOWLEDGMENTS

The USDA, NASS, Pacific Regional Office sincerely appreciates the many farm operators, owners, and management firms for providing the information. A special thanks goes to the California Walnut Board for providing funding and support of this special acreage update survey.

2019 WALNUT ACREAGE BY COUNTY, BY YEAR PLANTED ^{1/}

County	2007 and earlier	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Acres standing in 2019		
														Bearing	Non-bearing	Total
Amador	278	0	0	0	0	0	0	0	0	0	0	0	0	278	0	278
Butte	23,136	727	1,550	2,272	1,194	1,591	2,105	1,148	1,522	677	372	216	438	34,796	2,152	36,948
Calaveras	698	0	33	4	0	1	0	0	4	0	2	0	13	740	15	755
Colusa	4,538	309	734	482	531	923	551	484	421	583	272	64	505	8,962	1,433	10,396
Contra Costa	407	11	0	0	67	0	6	1	2	4	0	0	0	493	4	498
El Dorado	241	0	0	0	0	0	0	0	0	0	0	0	0	241	0	241
Fresno	3,903	182	332	113	429	164	141	228	537	186	64	484	123	6,019	867	6,886
Glenn	11,416	734	1,041	961	963	484	1,038	1,105	519	269	207	202	220	18,251	909	19,160
Kern	245	0	0	0	39	0	0	0	504	428	0	0	0	788	428	1,216
Kings	7,798	310	306	450	291	394	315	533	686	97	91	84	53	11,069	341	11,409
Lake	3,470	15	101	27	40	23	160	65	66	23	7	48	3	3,965	82	4,047
Madera	834	20	0	25	118	50	0	137	1	118	65	0	1	1,185	184	1,369
Merced	4,404	134	243	116	401	554	191	244	254	204	54	103	19	6,527	391	6,917
Monterey	372	18	0	0	0	0	0	0	0	0	0	0	0	390	0	390
Napa	168	0	0	0	0	0	0	0	0	0	0	0	0	168	0	169
Placer	700	15	0	140	22	10	188	0	81	0	0	0	0	1,155	0	1,155
Sacramento	650	0	0	0	0	52	1	63	11	0	0	0	0	777	0	777
San Benito	1,013	14	0	4	0	25	36	29	7	111	0	0	38	1,128	150	1,278
San Joaquin	26,401	1,135	1,680	1,443	990	1,112	1,435	1,412	1,716	557	319	233	547	37,072	1,908	38,980
San Luis Obispo	2,094	0	0	0	0	0	0	1	0	0	4	0	3	2,095	7	2,102
Santa Barbara	427	0	0	0	0	0	0	0	0	0	0	0	0	427	0	427
Santa Clara	291	0	13	2	2	4	0	0	6	0	0	0	0	317	1	318
Shasta	804	0	1	0	0	61	1	1	0	1	0	0	0	868	2	870
Solano	6,612	64	175	224	40	291	107	98	433	274	45	65	80	8,028	479	8,506
Sonoma	86	0	0	0	0	0	0	0	0	0	0	0	0	86	1	86
Stanislaus	15,282	1,265	691	703	643	836	1,922	924	1,064	489	249	148	479	23,253	1,439	24,692
Sutter	18,966	782	717	811	741	1,023	796	767	580	193	122	71	191	25,117	641	25,758
Tehama	13,002	630	476	1,339	746	1,023	877	1,126	976	73	461	461	1	20,185	1,006	21,192
Tulare	21,314	452	294	876	590	907	584	1,114	745	472	275	230	208	26,792	1,269	28,061
Ventura	118	0	0	0	0	0	0	0	0	0	0	0	0	119	0	119
Yolo	7,889	401	649	672	686	227	212	330	1,230	372	154	13	0	12,167	670	12,837
Yuba	7,821	294	542	488	538	759	494	661	805	152	213	671	103	12,132	1,410	13,542
All Others	86	0	0	0	0	0	0	0	1	0	0	0	0	88	0	88
Total	185,462	7,513	9,576	11,150	9,071	10,515	11,158	10,469	12,170	5,284	2,977	3,094	3,023	265,677	15,786	281,463

^{1/} Totals may not add due to rounding.

^{2/} All other counties include Alameda, Humboldt, Marin, Mendocino, Nevada, Riverside, San Bernardino, San Diego, Santa Cruz, and Siskiyou.

WALNUT ACREAGE AS OF 2019 - VARIETIES AND AGE GROUPS - STATE SUMMARY

ACREAGE PLANTED DURING YEARS SHOWN AND STANDING IN 2019 ^{1/}

Variety	2007 and earlier	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Acres standing in 2019		
														Bearing	Non-bearing	Total
Amigo	73	0	0	0	0	0	0	0	0	0	0	0	0	73	0	73
Antenelle	0	0	0	0	0	0	0	71	0	0	0	0	0	0	71	71
Ashley	1,982	0	0	0	0	0	0	0	1	0	0	0	0	1,982	1	1,983
Blackmer/Mautner/Vaughn	329	0	0	0	0	0	0	0	0	0	0	0	0	329	0	329
Carmelo	33	9	2	6	1	68	0	36	0	0	0	0	0	118	36	154
Chandler	76,670	5,189	6,901	7,290	6,568	7,897	7,445	6,788	8,863	3,456	1,801	1,928	2,068	133,609	9,252	142,861
Chico	1,447	0	1	0	9	0	0	0	0	0	0	0	0	1,456	0	1,456
Cisco	48	1	0	0	0	0	3	0	1	0	0	0	0	52	2	54
Eureka	1,808	5	14	0	4	2	3	1	4	0	1	0	0	1,836	6	1,842
Forde	24	17	22	17	71	20	0	0	0	0	0	0	0	170	0	170
Franquette	5,656	2	49	12	32	1	39	4	50	1	2	5	2	5,752	102	5,854
Franquette Scharsch	99	0	0	0	0	0	0	0	0	0	0	0	0	99	0	99
Gillet	0	2	0	85	11	0	0	0	0	0	0	0	0	98	0	98
Gustine	87	0	0	0	0	0	0	0	0	0	0	0	0	87	0	87
Hartley	27,656	44	192	69	62	86	184	9	157	162	18	2	100	28,293	449	28,741
Howard	19,970	826	1,077	1,612	929	1,115	735	1,047	756	305	405	516	116	28,067	1,342	29,408
Ivanhoe	1	0	35	53	125	263	145	155	255	105	180	322	213	1,031	820	1,851
Livermore	24	0	0	0	0	0	19	5	163	70	105	104	147	43	594	637
Marchetti	205	0	0	0	0	0	0	0	0	0	0	0	0	205	0	205
Mayette	295	0	0	0	0	0	0	0	0	0	0	0	0	295	0	296
Midland	111	0	0	0	0	0	0	0	0	0	0	0	0	111	0	111
Nuggett	141	0	0	0	0	0	0	0	0	0	0	0	0	141	0	141
Paradox	99	0	0	19	19	15	56	1	1	0	0	0	0	208	2	210
Payne	3,230	26	32	4	1	0	8	0	73	2	19	0	0	3,302	93	3,396
Pedro	182	0	0	0	0	0	0	0	0	0	0	0	0	182	0	182
Poe	334	0	0	0	1	0	1	0	0	0	0	0	1	335	2	336
Serr	11,574	37	23	31	52	1	32	1	6	9	18	7	1	11,752	41	11,793
Solano	0	0	0	4	0	38	41	88	323	221	182	9	25	83	848	931
Sunland	1,183	0	20	0	0	0	2	0	0	57	0	4	0	1,205	61	1,266
Tehama	1,470	0	0	49	0	0	0	17	0	0	0	0	0	1,536	0	1,536
Trinta	88	0	7	10	0	27	0	0	0	0	0	0	0	132	0	132
Tulare	17,948	1,284	845	1,598	1,045	933	2,297	2,070	1,312	797	242	156	240	29,331	1,435	30,766
Vina	10,568	8	145	17	63	20	2	7	4	0	0	0	0	10,830	4	10,834
All Others	2,128	64	213	274	78	30	147	168	202	101	4	41	109	2,934	626	3,560
Total	185,462	7,513	9,576	11,150	9,071	10,515	11,158	10,469	12,170	5,284	2,977	3,094	3,023	265,677	15,786	281,463

^{1/} Totals may not add due to rounding. Shaded/bold area represents non-bearing years and includes plantings of the following: Chandler, Chico, Howard Ivanhoe, Tulare (2016-2019); Amigo, Ashley, Cisco, Gustine, Marchetti, Nuggett, Payne, Pedro, Serr, Sunland, Tehama, Trinta, Vina (2015-2019); Franquette, Franquette Scharsch, Mayette, Poe (2013-2019); all other varieties not specified (2014-2019).

California Walnut Acreage, Production and Value, 1994-2019

Year	Bearing	Non-bearing	Production	Yield per acre	Grower return per ton	Total value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 Dollars</i>
1994	189,000	25,600	232,000	1.23	1,030.00	238,960
1995	193,000	23,300	234,000	1.21	1,400.00	327,600
1996	192,000	23,200	208,000	1.08	1,580.00	328,640
1997	193,000	20,900	269,000	1.39	1,430.00	384,670
1998	198,000	29,000	227,000	1.15	1,050.00	238,350
1999	197,000	30,000	283,000	1.44	886.00	250,738
2000	200,000	31,000	239,000	1.20	1,240.00	296,360
2001	204,000	29,000	305,000	1.50	1,120.00	341,600
2002	210,000	27,000	282,000	1.34	1,170.00	329,940
2003	213,000	27,000	326,000	1.53	1,160.00	378,160
2004	214,000	N/A	325,000	1.52	1,390.00	451,750
2005	215,000	26,000	355,000	1.65	1,570.00	557,350
2006	216,000	N/A	346,000	1.60	1,630.00	563,980
2007	218,000	25,000	328,000	1.50	2,290.00	751,120
2008	230,000	N/A	436,000	1.90	1,280.00	558,080
2009	240,000	28,000	437,000	1.82	1,710.00	747,270
2010	255,000	N/A	504,000	1.98	2,040.00	1,028,160
2011	265,000	35,000	461,000	1.74	2,900.00	1,336,900
2012	270,000	N/A	497,000	1.84	3,030.00	1,505,910
2013	280,000	45,000	492,000	1.76	3,710.00	1,825,320
2014	290,000	N/A	571,000	1.97	3,340.00	1,907,140
2015	300,000	65,000	606,000	2.02	1,670.00	1,012,020
2016	315,000	N/A	689,000	2.19	1,850.00	1,274,650
2017	335,000	65,000	630,000	1.88	2,490.00	1,568,700
2018	350,000	N/A	679,000	1.94	1,350.00	916,650
2019	365,000	75,000	653,000	1.79	1,970.00	1,286,410

N/A Not available.

Source: USDA, NASS, Pacific Regional Office