

United States Department of Agriculture National Agricultural Statistics Service

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

Released: May 28, 2020, 12:00 p.m. PDT Revised: July 13, 2020 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.

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 <u>estimated walnut acreage</u> and the <u>detailed data</u> 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 <u>detailed data</u> 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 <u>detailed data</u>.

PROCEDURES

The major source of the walnut <u>detailed data</u> 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/

Courts	2007					00/-	22/-		aa.:=		aa :=			Acres standing in 2019		
County	and earlier	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	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	36,94
Calaveras	698	0	33	4	0	1	0	0	4	0	2	0	13	740	15	75
Colusa	4,538	309	734	482	531	923	551	484	421	583	272	64	505	8,962	1,433	10,39
Contra Costa	407	11	0	0	67	0	6	1	2	4	0	0	0	493	4	49
El Dorado	241	0	0	0	0	0	0	0	0	0	0	0	0	241	0	24
Fresno	3,903	182	332	113	429	164	141	228	537	186	64	484	123	6,019	867	6,88
Glenn	11,416	734	1,041	961	963	484	1,038	1,105	519	269	207	202	220	18,251	909	19,16
Kern	245	0	0	0	39	0	0	0	504	428	0	0	0	788	428	1,21
Kings	7,798	310	306	450	291	394	315	533	686	97	91	84	53	11,069	341	11,40
Lake	3,470	15	101	27	40	23	160	65	66	23	7	48	3	3,965	82	4,04
Madera	834	20	0	25	118	50	0	137	1	118	65	0	1	1,185	184	1,36
Merced	4,404	134	243	116	401	554	191	244	254	204	54	103	19	6,527	391	6,91
Monterey	372	18	0	0	0	0	0	0	0	0	0	0	0	390	0	39
Napa	168	0	0	0	0	0	0	0	0	0	0	0	0	168	0	16
Placer	700	15	0	140	22	10	188	0	81	0	0	0	0	1,155	0	1,15
Sacramento	650	0	0	0	0	52	1	63	11	0	0	0	0	777	0	77
San Benito	1,013	14	0	4	0	25	36	29	7	111	0	0	38	1,128	150	1,27
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	38,98
San Luis Obispo	2,094	0	0	0	0	0	0	1	0	0	4	0	3	2,095	7	2,10
Santa Barbara	427	0	0	0	0	0	0	0	0	0	0	0	0	427	0	42
Santa Clara	291	0	13	2	2	4	0	0	6	0	0	0	0	317	1	31
Shasta	804	0	1	0	0	61	1	1	0	1	0	0	0	868	2	87
Solano	6,612	64	175	224	40	291	107	98	433	274	45	65	80	8,028	479	8,50
Sonoma	86	0	0	0	0	0	0	0	0	0	0	0	0	86	1	8
Stanislaus	15,282	1,265	691	703	643	836	1,922	924	1,064	489	249	148	479	23,253	1,439	24,69
Sutter	18,966	782	717	811	741	1,023	796	767	580	193	122	71	191	25,117	641	25,75
Tehama	13,002	630	476	1,339	746	1,023	877	1,126	976	73	461	461	1	20,185	1,006	21,19
Tulare	21,314	452	294	876	590	907	584	1,114	745	472	275	230	208	26,792	1,269	28,06
Ventura	118	0	0	0	0	0	0	0	0	0	0	0	0	119	0	11
Yolo	7,889	401	649	672	686	227	212	330	1,230	372	154	13	0	12,167	670	12,83
Yuba	7,821	294	542	488	538	759	494	661	805	152	213	671	103	12,132	1,410	13,54
All Others	86	0	0	0	0	0	0	0	1	0	0	0	0	88	0	8
Total	185,462	7,513	9,57 <u></u> 6	11,150	9,071	10,515	11,158	10,469	12,170	5,284	2,977	3,094	3,023	265,677	15,786	281,46

^{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.

	2007													Acres standing in 2019		
Variety	and earlier	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Bearing	Non- bearing	Total
Amigo	73	0	0	0	0	0	0	0	0	0	0	0	0	73	0	7
Antenelle	0	0	0	0	0	0	0	71	0	0	0	0	0	0	71	7
Ashley	1,982	0	0	0	0	0	0	0	1	0	0	0	0	1,982	1	1,98
Blackmer/Mautner/Vaughn	329	0	0	0	0	0	0	0	0	0	0	0	0	329	0	32
Carmelo	33	9	2	6	1	68	0	36	0	0	0	0	0	118	36	15
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	142,86
Chico	1,447	0	1	0	9	0	0	0	0	0	0	0	0	1,456	0	1,45
Cisco	48	1	0	0	0	0	3	0	1	0	0	0	0	52	2	5
Eureka	1,808	5	14	0	4	2	3	1	4	0	1	0	0	1,836	6	1,84
Forde	24	17	22	17	71	20	0	0	0	0	0	0	0	170	0	17
Franquette	5,656	2	49	12	32	1	39	4	50	1	2	5	2	5,752	102	5,85
Franquette Scharsch	99	0	0	0	0	0	0	0	0	0	0	0	0	99	0	9
Gillet	0	2	0	85	11	0	0	0	0	0	0	0	0	98	0	9
Gustine	87	0	0	0	0	0	0	0	0	0	0	0	0	87	0	8
Hartley	27,656	44	192	69	62	86	184	9	157	162	18	2	100	28,293	449	28,74
Howard	19,970	826	1,077	1,612	929	1,115	735	1,047	756	305	405	516	116	28,067	1,342	29,40
Ivanhoe	1	0	35	53	125	263	145	155	255	105	180	322	213	1,031	820	1,85
Livermore	24	0	0	0	0	0	19	5	163	70	105	104	147	43	594	63
Marchetti	205	0	0	0	0	0	0	0	0	0	0	0	0	205	0	20
Mayette	295	0	0	0	0	0	0	0	0	0	0	0	0	295	0	29
Midland	111	0	0	0	0	0	0	0	0	0	0	0	0	111	0	11
Nuggett	141	0	0	0	0	0	0	0	0	0	0	0	0	141	0	14
Paradox	99	0	0	19	19	15	56	1	1	0	0	0	0	208	2	21
Payne	3,230	26	32	4	1	0	8	0	73	2	19	0	0	3,302	93	3,39
Pedro	182	0	0	0	0	0	0	0	0	0	0	0	0	182	0	18
Poe	334	0	0	0	1	0	1	0	0	0	0	0	1	335	2	33
Serr	11,574	37	23	31	52	1	32	1	6	9	18	7	1	11,752	41	11,79
Solano	0	0	0	4	0	38	41	88	323	221	182	9	25	83	848	93
Sunland	1,183	0	20	0	0	0	2	0	0	57	0	4	0	1,205	61	1,26
Tehama	1,470	0	0	49	0	0	0	17	0	0	0	0	0	1,536	0	1,53
Trinta	88	0	7	10	0	27	0	0	0	0	0	0	0	132	0	13
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	30,76
Vina	10,568	8	145	17	63	20	2	7	4	0	0	0	0	10,830	4	10,83
All Others	2,128	64	213	274	78				202	101	4	41	109			3,56

WALNUT ACREAGE AS OF 2019 - VARIETIES AND AGE GROUPS - STATE SUMMARY ACREAGE PLANTED DURING YEARS SHOWN AND STANDING IN 2019 ^{1/}

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
17
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 A	creage, Production	on and Value,	1994-2019

	Juli		cleage, Flouucil	in and value,	2010		
Year	Bearing	Non-bearing	Production	Yield per acre	Grower return per ton	Total value	
	Acres	Acres	Tons	Tons	Dollars	1,000 Dollars	
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	
NI/A Nist sus							

N/A Not available.

Source: USDA, NASS, Pacific Regional Office