

1999 California Grape Acreage Report



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CALIFORNIA AGRICULTURAL
STATISTICS SERVICE

RESULTS

California's 1999 grape acreage is estimated by the California Agricultural Statistics Service at a record 940,000 acres. Bearing acreage is 790,000 and non-bearing is 150,000 acres. The breakdown by type is as follows: Raisin type totaled 286,000 acres with 279,000 bearing and 7,000 non-bearing; Table type totaled 100,000 acres with 87,000 bearing and 13,000 non-bearing; Wine type totaled 554,000 acres with 424,000 bearing and 130,000 non-bearing.

The Thompson Seedless variety -- used for raisins, fresh market, concentrate, and wine -- continues to be, by far, the leading grape planted in California. Flame Seedless is the leading table type grape. Leading wine varieties are Chardonnay and Cabernet Sauvignon.

OBJECTIVES

The purpose of this survey is to provide annual grape acreage with information on new plantings and removals. It is a continuation of a long series of industry funded grape acreage surveys.

Users are cautioned that this report consists of two parts:

- ▶ Estimated grape acreage -- bearing, non-bearing, and total.
- ▶ Detailed data by variety, year planted, and county -- as voluntarily reported by grape growers and maintained in the CASS data base.

With perfect information, the estimated grape acreage and the detailed data would be synonymous. However, this will never be the case for the following reasons:

- ▶ A voluntary census of approximately 10,000 grape growers is unlikely to ever attain 100 percent completeness.
- ▶ It is extremely difficult for a small staff in Sacramento to detect growers that are planting grapes for the first time.
- ▶ The detailed data reflects vine removals from more than 7,000 acres during the past twelve months. Of this number, significant acreage was harvested in 1999 prior to being pulled out, and that acreage has already been removed from the detailed data.

PROCEDURES

To arrive at the estimated grape acreage, a sample was selected from the pesticide application data maintained by County Agricultural Commissioners and the Department of Pesticide Regulation. This sample was compared to the grape acreage data base as maintained by CASS. When significant discrepancies were detected, the grower was contacted to obtain additional data and the information was included in the detailed data.

The major source of the grape detailed data was a questionnaire mailed to all grape growers included on the CASS data base. The mailing was made in late December 1999 to approximately 10,000 grape 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; new growers were mailed a blank questionnaire. Growers were given six weeks to respond by mail. A telephone follow-up was then undertaken. Field personnel personally visited large growers who did not respond by mail or telephone.

ACKNOWLEDGMENTS

We sincerely thank the many farm operators, owners, and management firms providing the information. Funding was provided by an assessment on wine grapes plus funding from the California Table Grape Commission and the Raisin Administrative Committee.

Appreciation is due the following office staff for the hundreds of hours spent phoning and processing survey information: Mitch Graham (Mathematical Statistician), Cindy Torres, Margarita Garcia, Regina Claypoole, Janell McAllister, Lupe Moreno, Sarah Otter, Jeremiah Rhine, April Sanders, Sheryl Zazzi, and Byron Austin.

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TABLE 1 - ALL GRAPES: ACREAGE STANDING BY TYPE, BY YEAR PLANTED, CALIFORNIA

Variety	1991 and Earlier	1992	1993	1994	1995	1996	1997	1998	1999	1999			1998 Total
										Bearing	Non-Bearing ^{1/}	Total	
Acres													
RAISIN	256,853	3,433	4,245	4,009	2,408	2,056	2,532	1,769	1,816	273,047	6,071	279,119	274,984
TABLE	62,030	2,646	2,759	4,745	5,501	5,835	4,603	4,865	1,414	84,458	9,940	94,398	91,769
WINE	261,512	10,437	18,006	23,985	24,779	36,032	44,806	31,643	18,957	374,752	95,407	470,159	427,281
WHITE	136,478	4,315	5,724	6,578	8,007	14,184	15,823	10,022	3,972	175,285	29,818	205,103	194,823
RED	125,035	6,122	12,282	17,407	16,772	21,849	28,983	21,620	14,985	199,467	65,589	265,055	232,459
GRAPES, EXCLUDING ROOT	580,395	16,516	25,009	32,739	32,688	43,923	51,941	38,277	22,187	732,257	111,418	843,675	794,034
ROOTSTOCK	75	3	70	20	32	25	90	652	587	0	0	1,554	1,359
ALL GRAPES	580,470	16,519	25,080	32,759	32,720	43,948	52,031	38,930	22,773	732,257	111,418	845,229	795,393

^{1/} Non-bearing years are 1997, 1998, and 1999. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

TABLE 2 - RAISIN TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA

Variety	1991 and Earlier	1992	1993	1994	1995	1996	1997	1998	1999	1999			1998 Total
										Bearing	Non-Bearing ^{1/}	Total	
Acres													
BLACK CORINTH ^{2/}	1,971	210	153	29	7	8	6	0	0	2,378	6	2,384	2,479
DOVINE	0	0	0	0	0	18	11	0	55	18	66	84	29
FIESTA	1,775	408	831	521	419	243	888	144	662	4,196	1,693	5,890	4,983
SULTANA	161	0	0	0	0	0	0	0	0	161	0	161	166
THOMPSON SEEDLESS	252,890	2,815	3,261	3,459	1,981	1,780	1,600	1,617	1,090	266,231	4,261	270,493	267,230
OTHER RAISIN	56	0	0	0	0	8	27	9	9	64	44	108	96
TOTAL RAISIN	256,853	3,433	4,245	4,009	2,408	2,056	2,532	1,769	1,816	273,047	6,071	279,119	274,984

^{1/} Non-bearing years are 1997, 1998, and 1999. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

^{2/} Zante Current.

TABLE 3 - TABLE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA

Variety	1991 and Earlier	1992	1993	1994	1995	1996	1997	1998	1999	1999			1998 Total
										Bearing	Non-Bearing ^{1/}	Total	
Acres													
AUTUMN ROYAL	0	0	0	0	0	94	9	204	321	94	534	627	177
AUTUMN SEEDLESS	47	5	0	19	0	16	9	30	0	87	38	125	106
BEAUTY SEEDLESS ^{2/}	462	0	3	46	2	4	18	8	20	534	28	562	560
BLACK EMERALD	0	0	0	0	0	0	9	9	54	0	54	72	72
BLACK MONUKKA	340	2	0	1	0	14	0	0	0	358	0	358	273
BLACK SEEDLESS	482	17	38	17	15	17	29	43	50	586	123	709	587
CALMERIA	1,324	0	0	22	0	39	0	40	76	1,384	116	1,500	1,416
CARDINAL	164	0	0	10	31	0	27	17	0	205	44	248	237
CHRISTMAS ROSE	1,154	0	40	9	25	40	44	0	3	1,268	46	1,314	1,303
CRISPY	0	13	0	0	34	20	0	0	0	67	0	67	0
EARLY MUSCAT	144	0	0	0	0	3	0	0	0	147	0	147	66
EMPERATRIZ	244	0	0	0	0	0	0	0	0	244	0	244	244
EMPEROR	3,279	0	0	0	20	0	0	0	0	3,299	0	3,299	3,940
EXOTIC	441	0	11	0	0	0	0	27	0	452	27	480	585
FANTASY SEEDLESS	683	98	50	49	0	15	9	51	0	918	38	956	1,015
FLAME SEEDLESS ^{3/}	24,370	1,070	490	844	794	370	736	471	151	28,373	925	29,298	28,354
FLAME TOKAY	2,892	4	0	0	0	0	10	52	0	2,897	62	2,959	3,119
FLAMING RED	215	0	0	0	4	0	0	0	0	219	0	219	230
GALAXY	10	45	0	0	0	0	0	0	0	55	0	55	55
ITALIA	158	6	29	0	30	0	0	0	0	224	0	224	246
JADE SEEDLESS	0	0	150	0	0	0	0	0	0	150	0	150	150
KYOHO	51	0	0	0	0	7	0	0	5	58	5	63	53
LATE SEEDLESS	61	0	0	0	0	0	0	0	0	61	0	61	61
MAJESTIC	134	0	0	158	0	0	0	0	0	292	0	292	292
MALAGA ^{4/}	748	0	0	0	0	0	14	0	0	748	14	762	920
MARROO	58	107	50	32	23	22	0	0	0	292	0	292	351
MELISSA	0	0	0	0	0	0	0	0	69	0	69	69	0
MIDNIGHT SEEDLESS	0	0	0	0	25	22	6	108	0	64	97	161	117
NIABELL	118	115	5	0	0	2	0	7	0	240	7	247	247
PERLETTE	4,831	11	0	0	10	0	129	110	0	5,089	0	5,089	5,185
PRIMA BLACK SEEDLESS	159	0	0	0	0	0	0	0	0	159	0	159	159
QUEEN	95	6	0	0	0	0	0	0	0	101	0	101	136
RED CRIMSON ^{5/}	1,020	408	545	909	1,204	2,097	1,031	2,384	563	6,183	3,977	10,161	7,938
RED GLOBE ^{6/}	6,246	416	876	1,847	2,283	2,697	1,407	429	62	14,436	1,827	16,263	16,078
RED SEEDLESS	566	13	0	83	0	25	9	0	40	686	49	735	742
RIBIER	1,075	0	0	24	0	56	0	0	0	1,155	0	1,155	1,296
ROUGE	654	0	0	0	260	0	0	0	0	914	0	914	920
RUBY IMPERIAL	129	0	0	0	0	0	0	0	0	129	0	129	129
RUBY SEEDLESS ^{7/}	6,215	205	331	419	520	101	370	75	54	7,789	499	8,288	8,084
SUGRAONE ^{8/}	3,140	30	0	55	0	44	114	66	0	3,367	82	3,449	3,519
OTHER TABLE	322	75	141	202	220	121	625	691	0	1,081	1,316	2,397	2,810
TOTAL TABLE	62,030	2,646	2,759	4,745	5,501	5,835	4,603	4,865	1,414	84,458	9,940	94,398	91,769

^{1/} Non-bearing years are 1997, 1998, and 1999. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

^{2/} Black Beauty. ^{3/} Red Flame. ^{4/} White Malaga. ^{5/} Crimson Seedless. ^{6/} Rose It. ^{7/} King Ruby. ^{8/} Superior Seedless Brand.

TABLE 4 - WHITE WINE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA

Variety	1991 and Earlier	1992	1993	1994	1995	1996	1997	1998	1999	1999			1998 Total
										Bearing	Non-Bearing 1/	Total	
Acres													
BURGER 2/	1,499	29	71	0	24	0	329	174	6	1,623	509	2,131	2,072
CHARDONNAY	48,738	3,671	4,244	5,185	6,953	12,206	11,780	6,845	2,946	80,998	21,571	102,568	93,070
CHENIN BLANC	20,157	0	2	76	60	143	267	227	31	20,437	524	20,962	21,410
EMERALD RIESLING	624	0	0	0	0	0	0	0	0	624	0	624	617
FRENCH COLOMBARD	44,194	0	4	2	54	251	4	4	73	44,504	81	44,585	44,876
GEWURZTRAMINER	1,018	7	5	95	64	28	303	145	5	1,217	452	1,669	1,667
GRAY RIESLING	59	0	0	0	0	10	0	23	0	69	23	92	131
MALVASIA BIANCA 3/	1,760	23	289	187	38	96	2	30	25	2,392	57	2,450	2,336
MARSANNE	13	4	5	7	6	4	7	5	0	39	12	51	51
MONTONICO	24	0	0	0	0	0	8	8	51	24	67	91	17
MUSCAT BLANC 4/	1,012	0	11	36	45	58	32	22	36	1,162	90	1,252	1,425
MUSCAT OF ALEXANDRIA	4,119	69	582	185	6	13	1	37	164	4,974	202	5,176	5,063
MUSCAT ORANGE	46	5	0	7	24	8	13	68	1	90	81	172	135
PALOMINO 5/	737	0	0	0	2	50	0	0	0	790	0	790	730
PINOT BLANC	873	8	1	9	17	12	34	20	26	920	80	1,000	1,084
PINOT GRIGIO	0	0	0	0	8	0	14	28	18	8	61	69	16
PINOT GRIS	41	35	17	58	194	283	319	118	82	628	520	1,147	890
ROUSSANNE	11	0	12	11	10	7	46	38	17	52	100	152	166
SAUVIGNON BLANC	7,971	265	206	355	238	573	1,723	1,808	360	9,608	3,891	13,499	12,293
SAUVIGNON MUSQUE	9	2	8	11	22	29	29	9	0	81	38	118	81
SEMILLON	764	66	111	61	35	122	270	72	38	1,159	379	1,537	1,411
ST. EMILION 6/	373	0	0	0	0	0	0	0	0	373	0	373	453
SYMPHONY	169	69	33	110	0	74	121	15	0	456	137	592	538
TOCAI FRIULANO	112	0	0	1	0	2	0	3	4	116	8	124	124
VIOGNIER	128	49	92	153	175	159	467	215	51	756	733	1,488	1,157
WHITE RIESLING 7/	1,762	3	7	10	14	41	11	66	37	1,836	114	1,950	2,442
OTHER WHITE WINE	265	9	24	19	18	16	43	44	3	350	91	441	568
TOTAL WHITE WINE	136,478	4,315	5,724	6,578	8,007	14,184	15,823	10,022	3,972	175,285	29,818	205,103	194,823

1/ Non-bearing years are 1997, 1998, and 1999. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

2/ Monbadon. 3/ Vennentino. 4/ Muscat Canelli. 5/ Golden Chasselas. 6/ Ugni Blanc and Trebbiano. 7/ Johannisberg Riesling.

TABLE 5 - RED WINE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA

Variety	1991 and Earlier	1992	1993	1994	1995	1996	1997	1998	1999	1999			1998 Total
										Bearing	Non-Bearing 1/	Total	
Acres													
ALICANTE BOUSCHET	1,376	0	0	5	7	2	120	108	65	1,391	293	1,683	1,456
BARBERA	8,440	196	1,282	1,513	24	140	64	322	54	11,595	440	12,035	12,046
BLACK MALVOISIE	54	0	0	0	0	0	0	0	12	54	12	66	54
CABERNET FRANC	1,454	106	97	117	47	210	566	547	138	2,031	1,250	3,281	2,766
CABERNET SAUVIGNON	27,345	1,222	1,343	1,933	2,354	5,792	9,241	7,595	5,910	39,988	22,746	62,734	51,566
CARIGNANE	7,559	11	0	14	7	38	19	21	8	7,629	47	7,676	7,707
CARMINE	21	3	0	0	0	0	75	0	0	24	75	99	99
CARNELIAN	1,023	37	0	0	0	483	112	80	0	1,543	192	1,735	1,532
CENTURIAN	327	3	0	2	0	0	0	0	70	332	70	402	327
CHARBONO	49	0	0	0	0	2	1	1	9	51	11	62	46
CINSAULT	16	0	0	3	0	9	0	28	3	28	31	59	59
DOLCETTO	8	23	5	6	9	38	66	14	0	88	79	167	98
FREISA	0	0	0	0	13	38	4	4	0	50	7	58	50
GAMAY 2/	737	2	0	68	16	0	12	16	1	822	29	851	882
GAMAY BEAUJOLAIS	857	0	7	0	0	5	0	28	0	869	28	897	870
GRENACHE	10,307	139	48	80	304	288	355	381	55	11,167	792	11,958	11,485
GRIGNOLINO	24	1	0	0	0	37	15	0	0	63	15	78	78
LAMBRUSCO	103	0	0	0	0	0	0	0	0	103	0	103	103
MALBEC	59	15	7	41	46	61	108	151	79	228	338	567	369
MATARO 3/	375	22	21	7	12	26	35	37	35	461	106	568	458
MERLOT	9,317	1,498	3,797	6,939	7,266	7,688	5,507	3,346	2,280	36,506	11,132	47,638	41,326
MEUNIER	170	3	0	0	16	8	1	27	0	198	28	226	217
MISSION	837	2	0	0	0	0	40	97	81	839	218	1,057	889
MUSCAT HAMBURG	31	0	0	2	0	8	29	12	9	41	50	92	34
NEBBIOLO	70	15	4	12	48	28	18	13	13	176	44	221	218
PETITE SIRAH	1,807	62	16	67	127	204	365	256	305	2,282	926	3,208	2,745
PETITE VERDOT	106	7	25	19	12	66	96	80	74	236	250	485	367
PINOT NOIR	6,954	178	183	251	378	1,240	2,624	2,114	1,685	9,183	6,423	15,606	12,225
PRIMITIVO	1	0	0	17	0	6	43	33	5	24	81	105	81
ROYALTY	835	0	0	0	0	0	0	0	0	835	0	835	842
RUBIED	6,839	140	1,556	762	639	328	442	917	1,529	10,263	2,888	13,151	10,622
RUBY CABERNET	5,756	57	290	647	165	237	657	818	245	7,152	1,721	8,873	7,961
SALVADOR	791	0	0	0	0	0	0	0	0	791	0	791	791
SANGIOVETO 4/	401	131	169	229	243	470	1,292	327	124	1,644	1,743	3,387	2,903
SOUZAO	26	8	0	2	0	0	5	0	19	36	23	59	40
SYRAH 5/	785	156	121	235	961	1,112	2,980	2,385	1,565	3,369	6,930	10,298	7,194
TEMPRANILLO	1	0	5	0	1	9	22	28	53	16	102	118	70
VALDEPENAS	385	0	13	9	40	34	110	0	0	480	110	590	555
ZINFANDEL	29,547	1,578	3,287	4,391	4,003	3,194	3,803	1,562	447	46,000	5,812	51,811	50,268
OTHER RED WINE	245	507	6	38	35	48	158	278	113	879	549	1,429	1,061
TOTAL RED WINE	125,035	6,122	12,282	17,407	16,772	21,849	28,983	21,620	14,985	199,467	65,589	265,055	232,459

1/ Non-bearing years are 1997, 1998, and 1999. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

2/ Napa Gamay and Valdiguié. 3/ Mourvedre. 4/ Sangiovese and Brunello. 5/ French Syrah and Shiraz.