

# 1998 California Grape Acreage Report



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## RESULTS

California's 1998 grape acreage is estimated by the California Agricultural Statistics Service at a record 886,000 acres. The breakdown by type is as follows: Raisin type totaled 281,000 acres with 275,000 bearing and 6,000 non-bearing; Table type totaled 98,000 acres with 83,000 bearing and 15,000 non-bearing; Wine type totaled 507,000 acres with 385,000 bearing and 122,000 non-bearing.

This estimate is based on a statistical sample initiated to provide an unbiased indication of State acreage and to measure the incompleteness in the grape data base maintained by this office. It is not comparable with past grape acreage surveys.

Past acreage survey results were the sum of grower acreage reported to this office without adjustment for any incompleteness. Incompleteness is bound to exist with (1) a universe of approximately 10,000 grape growers, (2) new plantings continuing unabated—including plantings by growers who have not farmed grapes before, and (3) data dependent upon voluntary cooperation.

Pages 2-3 are comparable with previous years' survey data. Of the grape acreage in our data base, the breakdown by type is as follows: Raisin type totaled 274,984 acres at 34.6 percent; Table type totaled 91,769 acres at 11.5 percent; Wine type totaled 427,281 acres at 53.7 percent. The rootstock total is 1,373 acres, approximately 0.1 percent of the grape acreage. Data users are cautioned that varietal data for the sample incompleteness may be substantially different from that above.

## OBJECTIVES

This is a continuation of a long series of annual surveys to provide grape acreage by variety and year planted. Again, data on pages 2-3 are comparable with previous years'. However, for the first time, a probability survey was designed to estimate total bearing and non-bearing grape acreage.

## PROCEDURES

For the information on pages 2-3, 7,884 grape growers in the fruit data base maintained by CASS were mailed a questionnaire with previously reported crop, variety, and acreage information preprinted. Recipients were asked to update the information for removals and new plantings.

Existing grower names were also compared with pesticide permit and application data maintained by County Agricultural Commissioners and the Department of Pesticide Regulation (DPR). Additional growers were mailed blank questionnaires and asked to provide the specified information.

Questionnaires were mailed on December 26, 1998. Respondents were given six weeks to respond by mail. CASS personnel then conducted a telephone follow-up. Field personnel personally visited large growers who did not respond by mail or telephone.

For the sample used to measure the incompleteness in the above activity, 509 growers were selected from the 1998 DPR application file. The sample was selected based on indicated size of operation; i.e., larger growers had a much greater chance of selection than those with small acreages. Growers were contacted in early May. The sample was expanded to the State level to give acreage incompleteness for bearing and non-bearing acreage.

## 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.

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

Variety	1990 and Earlier	1991	1992	1993	1994	1995	1996	1997	1998	1998			1997 Total
										Bearing	Non-Bearing 1/	Total	
Acres													
RAISIN	252,924	3,532	3,442	3,985	3,677	2,283	1,947	1,855	1,338	269,843	5,141	274,984	274,833
TABLE	60,812	2,721	2,740	2,768	4,415	5,725	4,977	3,628	3,983	79,273	12,496	91,769	89,862
WINE	255,724	11,809	10,159	17,722	24,045	23,089	30,535	34,191	20,008	342,547	84,734	427,281	407,231
WHITE	134,907	6,047	4,434	5,373	7,023	8,222	10,941	11,637	6,239	166,005	28,818	194,823	190,247
RED	120,817	5,762	5,726	12,350	17,021	14,867	19,594	22,553	13,769	176,542	55,916	232,459	216,984
GRAPES EXCLUDING ROOTSTOCK	569,460	18,061	16,342	24,476	32,136	31,097	37,460	39,674	25,328	691,664	102,370	794,034	771,926
ROOTSTOCK	86	43	3	70	23	50	115	296	688	0	0	1,373	1,047
ALL GRAPES	569,546	18,103	16,345	24,546	32,159	31,146	37,574	39,970	26,016	691,664	102,370	795,406	772,973

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

Variety	1990 and Earlier	1991	1992	1993	1994	1995	1996	1997	1998	1998			1997 Total
										Bearing	Non-Bearing 1/	Total	
Acres													
BLACK CORINTH 2/	1,856	112	286	152	48	7	8	11	0	2,460	19	2,479	2,633
FIESTA	1,524	383	480	812	523	479	336	358	89	4,200	783	4,983	4,531
SULTANA	166	0	0	0	0	0	0	0	0	166	0	166	183
THOMPSON SEEDLESS	249,318	3,037	2,677	3,021	3,106	1,796	1,571	1,454	1,249	262,956	4,274	267,230	267,371
OTHER RAISIN	61	0	0	0	0	0	32	32	0	61	64	125	116
TOTAL RAISIN	252,924	3,532	3,442	3,985	3,677	2,283	1,947	1,855	1,338	269,843	5,141	274,984	274,833

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

Variety	1990 and Earlier	1991	1992	1993	1994	1995	1996	1997	1998	1998			1997 Total
										Bearing	Non-Bearing 1/	Total	
Acres													
AUTUMN ROYAL	0	0	0	0	0	0	82	19	77	0	177	177	89
AUTUMN SEEDLESS	26	21	5	0	19	0	16	9	10	70	35	106	108
BEAUTY SEEDLESS 2/	425	56	0	3	46	2	21	0	8	532	29	560	514
BLACK MONUKKA	256	0	2	0	1	0	14	0	0	259	14	273	359
BLACK MOROCCO	6	0	0	0	0	2	0	0	0	8	0	8	76
BLACK SEEDLESS	362	74	17	38	17	15	10	29	25	523	64	587	537
CALMERIA	1,342	0	0	0	22	13	39	0	0	1,378	39	1,416	1,453
CARDINAL	164	0	0	0	10	20	0	27	17	194	44	237	264
CHRISTMAS ROSE	1,030	102	0	40	9	38	40	44	0	1,219	84	1,303	1,311
DAWN SEEDLESS	32	0	0	0	0	0	0	0	0	32	0	32	62
EARLY MUSCAT	66	0	0	0	0	0	0	0	0	66	0	66	81
EMPERATRIZ	225	19	0	0	0	0	0	0	0	244	0	244	230
EMPEROR	3,920	0	0	0	0	20	0	0	0	3,940	0	3,940	4,531
EMPEROR SEEDLESS	50	0	0	0	0	0	0	0	0	50	0	50	87
EXOTIC	544	3	0	11	0	0	0	0	27	557	27	585	599
FANTASY SEEDLESS	347	376	108	50	49	0	15	19	51	930	85	1,015	1,074
FLAME SEEDLESS 1/	23,164	833	1,097	459	676	787	319	679	341	27,107	1,248	28,354	28,971
FLAME TOKAY	3,075	0	4	0	0	0	0	10	30	3,079	40	3,119	3,653
FLAMING RED	224	0	0	0	0	4	0	1	0	229	1	230	266
GALAXY	10	0	45	0	0	0	0	0	0	55	0	55	55
ITALIA	162	19	6	29	0	29	0	0	0	246	0	246	258
JADE SEEDLESS	0	0	0	150	0	0	0	0	0	150	0	150	160
KYOHO	51	0	0	0	0	0	2	0	0	51	2	53	53
LATE SEEDLESS	61	0	0	0	0	0	0	0	0	61	0	61	61
MAJESTIC	134	0	0	0	158	0	0	0	0	292	0	292	292
MALAGA 2/	920	0	0	0	0	0	0	0	0	920	0	920	948
MARROO	10	35	148	79	33	23	23	0	0	328	23	351	381
MUSCAT FLAME	82	0	0	0	0	0	3	0	0	82	3	85	92
NIABELL	118	0	115	5	0	0	2	0	7	239	9	247	240
PERLETTE	4,976	0	11	0	0	10	0	129	60	4,997	188	5,185	5,216
PRIMA BLACK SEEDLESS	159	0	0	0	0	0	0	0	0	159	0	159	159
QUEEN	130	0	6	0	0	0	0	0	0	136	0	136	168
RED CRIMSON 2/	515	470	408	548	789	1,135	1,319	756	1,998	3,866	4,072	7,938	5,465
RED SEEDLESS	574	39	13	0	83	0	25	9	0	708	34	742	720
RED GLOBE 2/	5,996	332	417	881	1,806	2,521	2,655	1,076	394	11,953	4,125	16,078	15,371
RIBIER	1,216	0	0	0	24	0	56	0	0	1,240	56	1,296	1,563
ROUGE	654	0	0	0	0	260	0	0	7	914	7	920	914
RUBY IMPERIAL	129	0	0	0	0	0	0	0	0	129	0	129	129
RUBY SEEDLESS 2/	6,401	101	234	335	414	319	141	70	70	7,803	280	8,084	8,024
SUGRAONE	2,981	228	30	0	57	0	44	114	66	3,295	224	3,519	3,908
OTHER TABLE	280	12	75	140	202	527	152	640	796	1,237	1,587	2,824	1,424
TOTAL TABLE	60,812	2,721	2,740	2,768	4,415	5,725	4,977	3,628	3,983	79,273	12,496	91,769	89,862

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

Variety	1990 and Earlier	1991	1992	1993	1994	1995	1996	1997	1998	1998			1997 Total
										Bearing	Non-Bearing 1/	Total	
Acres													
BURGER	1,507	0	29	71	0	27	0	289	150	1,633	439	2,072	1,895
CHARDONNAY	44,827	5,339	3,684	4,060	5,573	7,146	9,748	8,606	4,087	70,629	22,441	93,070	88,517
CHENIN BLANC	20,984	20	11	2	76	54	51	86	127	21,147	264	21,410	21,647
EMERALD RIESLING	617	0	0	0	0	0	0	0	0	617	0	617	617
FRENCH COLOMBARD	44,712	35	0	4	2	54	55	10	4	44,807	69	44,876	46,076
GEWURZTRAMINER	1,099	7	7	5	112	64	11	303	60	1,294	373	1,667	1,715
GRAY RIESLING	98	0	0	0	0	0	10	0	23	98	33	131	102
MALVASIA BIANCA	1,650	146	23	289	183	38	4	3	0	2,328	7	2,336	2,388
MUSCAT OF ALEXANDRIA	4,282	0	69	461	203	6	4	1	37	5,021	43	5,063	5,230
MUSCAT BLANC 2/	1,184	21	0	11	97	45	16	30	22	1,357	68	1,425	1,333
MUSCAT ORANGE	46	10	5	0	7	24	8	13	22	92	42	135	123
PALOMINO 2/	728	0	0	0	0	2	0	0	0	730	0	730	815
PINOT BLANC	1,009	5	8	1	9	15	2	35	0	1,048	36	1,084	1,026
PINOT GRIS	20	21	35	17	56	182	226	195	138	331	559	890	644
ROUSSANNE	10	5	0	12	6	14	7	14	98	47	119	166	81
SAUVIGNON BLANC	8,032	336	281	153	352	250	476	1,371	1,043	9,403	2,890	12,293	11,312
SAUVIGNON MUSQUE	5	0	2	8	6	16	13	20	13	36	45	81	68
SEMILLON	813	33	71	111	76	35	43	206	22	1,139	272	1,411	1,381
ST EMILION 2/	373	0	0	0	80	0	0	0	0	453	0	453	453
SYLVANER 2/	40	0	0	0	0	0	0	0	0	40	0	40	52
SYMPHONY	170	1	143	33	0	0	74	108	9	348	191	538	486
TOCAI FRIULANO	118	0	0	0	1	0	2	0	3	119	5	124	120
VIOGNIER	71	57	49	100	154	182	135	286	124	612	545	1,157	1,117
WHITE RIESLING 2/	2,310	1	3	9	10	14	40	11	45	2,346	96	2,442	2,522
OTHER WHITE WINE	203	11	13	27	23	54	18	50	213	331	281	612	530
<b>TOTAL WHITE WINE</b>	<b>134,907</b>	<b>6,047</b>	<b>4,434</b>	<b>5,373</b>	<b>7,023</b>	<b>8,222</b>	<b>10,941</b>	<b>11,637</b>	<b>6,239</b>	<b>166,005</b>	<b>28,818</b>	<b>194,823</b>	<b>190,247</b>

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

Variety	1990 and Earlier	1991	1992	1993	1994	1995	1996	1997	1998	1998			1997 Total
										Bearing	Non-Bearing 1/	Total	
Acres													
ALICANTE BOUSCHET	1,387	1	0	0	5	7	1	6	49	1,400	56	1,456	1,451
BARBERA	8,031	72	177	1,262	1,407	38	142	40	878	10,987	1,059	12,046	11,137
BLACK MALVOISIE	54	0	0	0	0	0	0	0	0	54	0	54	83
CABERNET FRANC	1,249	153	110	87	91	42	238	318	477	1,733	1,033	2,766	2,245
CABERNET SAUVIGNON	26,329	1,925	1,197	1,407	1,821	1,905	5,238	6,653	5,091	34,583	16,983	51,566	45,307
CARIGNANE	7,580	0	11	0	21	7	48	19	21	7,620	87	7,707	7,839
CARNELIAN	994	0	37	0	0	0	483	18	0	1,031	501	1,532	1,532
CENTURIAN	322	0	3	0	2	0	0	0	0	327	0	327	327
DOLCETTO	7	1	23	5	7	9	37	10	0	51	48	98	87
GAMAY 2/	825	0	2	0	28	15	0	12	2	869	13	882	1,135
GAMAY BEAUJOLAIS	832	0	0	7	0	0	5	0	25	839	30	870	799
GRENADE	10,067	294	133	42	80	138	297	285	148	10,754	731	11,485	11,699
GRIGNOLINO	24	0	1	0	0	0	37	15	0	26	52	78	78
LAMBRUSCO	103	0	0	0	0	0	0	0	0	103	0	103	111
MALBEC	59	3	16	7	36	40	36	91	80	161	208	369	232
MATARO 2/	251	63	22	18	7	2	29	31	36	363	95	458	398
MERLOT	7,504	1,812	1,532	3,788	6,851	6,627	6,526	4,643	2,043	28,114	13,212	41,326	38,522
MEUNIER	153	12	3	0	0	16	16	0	17	184	33	217	212
MISSION	824	10	2	0	0	0	1	40	12	836	53	889	928
NEBBIOLO	67	12	23	4	8	54	26	6	17	169	49	218	199
PETITE SIRAH	1,839	44	58	19	76	100	205	236	167	2,136	609	2,745	2,692
PETITE VERDOT	76	24	21	25	19	14	52	77	59	178	189	367	315
PINOT NOIR	6,788	428	180	174	235	373	1,113	1,956	978	8,179	4,046	12,225	11,158
ROYALTY	842	0	0	0	0	0	0	0	0	842	0	842	842
RUBIRED	6,703	34	138	1,373	682	707	285	202	499	9,636	985	10,622	10,083
RUBY CABERNET	5,836	0	57	215	546	165	164	613	365	6,818	1,143	7,961	7,464
SALVADOR	791	0	0	0	0	0	0	0	0	791	0	791	794
SANGIOVETO 2/	257	143	150	165	223	230	416	1,116	202	1,169	1,734	2,903	2,498
SYRAH 2/	548	134	158	126	210	809	959	2,659	1,593	1,983	5,211	7,194	4,277
VALDEPENAS	389	0	0	13	9	0	34	111	0	410	145	555	554
ZINFANDEL	29,729	574	1,633	3,595	4,323	3,526	3,082	3,152	655	43,380	6,889	50,268	50,498
OTHER RED WINE	357	24	39	16	337	45	123	243	356	817	722	1,539	1,491
<b>TOTAL RED WINE</b>	<b>120,817</b>	<b>5,762</b>	<b>5,726</b>	<b>12,350</b>	<b>17,021</b>	<b>14,867</b>	<b>19,594</b>	<b>22,553</b>	<b>13,769</b>	<b>176,542</b>	<b>55,916</b>	<b>232,459</b>	<b>216,984</b>

1/ Non-bearing years are 1996, 1997, and 1998. Flame Seedless table grapes begin bearing after two non-bearing years in Riverside County.  
 2/ Common names: Black Corinth/Zante Current, Beauty Seedless/Black Beauty, Malaga/White Malaga, Red Crimson/Crimson Seedless, Redglobe/Rose Ito, Ruby/Seedless/King Ruby, Gamay/Napa Gamay, Mataro/Mouvedre, Sangiovetto/Sangiovese/Brunello, Syrah/French Syrah/Shiraz, Muscat Blanc/Muscat Canelli, Palomino/Golden Chasselas, St. Emilion/Ugni Blanc/Trebbiano, Sylvaner/Franken Riesling, White Riesling/Johannisberg Riesling.