



California Grape Acreage Report, 2018 Summary



California Department of Food and Agriculture

Cooperating with the USDA, National Agricultural Statistics Service, Pacific Regional Office

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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RESULTS

California's 2018 grape acreage totaled 925,000 acres. Of the total grape acreage, 863,000 were bearing while 62,000 were non-bearing. The wine-type grape acreage is estimated at 637,000 acres. Of the total acres, 590,000 were bearing and 47,000 were non-bearing. Table-type grape acreage totaled 132,000 acres with 121,000 bearing and 11,000 non-bearing. Acreage of raisin-type grapes totaled 156,000 acres, of which 152,000 were bearing and 4,000 were non-bearing.

The leading wine-type varieties continued to be Chardonnay and Cabernet Sauvignon. Flame Seedless was the leading table-type grape variety. Thompson Seedless continued to be the leading raisin-type variety and was utilized for raisins, fresh market, concentrate, and wine.

ESTIMATED GRAPE ACREAGE 1/				
Type	2016	2017	2018	Percent Change
Raisin	172,000	160,000	156,000	-2.5
Bearing	170,000	158,000	152,000	-3.8
Non-Bearing	2,000	2,000	4,000	100.0
Table	123,000	121,000	132,000	9.1
Bearing	111,000	111,000	121,000	9.0
Non-Bearing	12,000	10,000	11,000	10.0
Wine	602,000	599,000	637,000	6.3
Bearing	560,000	560,000	590,000	5.4
Non-Bearing	42,000	39,000	47,000	20.5
All Grapes	897,000	880,000	925,000	5.1
Bearing	841,000	829,000	863,000	4.1
Non-Bearing	56,000	51,000	62,000	21.6

1/ Reported data with an allowance for incompleteness.

OBJECTIVES

The California Department of Food and Agriculture partners with the Pacific Regional Office of the USDA's National Agricultural Statistics Service (NASS) to conduct an annual acreage survey of California grape growers. 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.

This report consists of two parts:

- Estimated grape acreage -- bearing, non-bearing, and total.
- Detailed data by variety, and year planted -- as voluntarily reported by grape growers and maintained in our database.

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

- A voluntary survey of approximately 8,300 grape growers is unlikely to attain 100 percent completeness.
- It is difficult to detect growers who are planting grapes for the first time.
- The detailed data reflects vine removals from over 17,000 acres during the past twelve months. Of this number, significant acreage was harvested in 2018 prior to being pulled out. As a result, harvested acreage removed in 2018 is included in the estimated acreage, but excluded from the detailed data.

PROCEDURES

The major source of the grape detailed data was a questionnaire mailed to all grape growers from our database. The mailing was sent in late October 2018 to approximately 8,300 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.

To arrive at the estimated grape acreage, the grape acreage data base was compared with data provided from the 2017 Census of Agriculture and the Department of Pesticide Regulation.

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.

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

Type	2010 and Earlier	2011	2012	2013	2014	2015	2016	2017	2018	2018			2017 Total
										Bearing	Non-Bearing 2/	Total	
Acres													
Raisin	142,314	1,085	1,351	1,029	1,694	756	1,010	1,122	1,435	148,229	3,567	151,796	150,186
Table	62,722	3,947	4,847	2,423	4,696	4,255	3,001	2,004	1,035	83,018	5,913	88,931	90,743
Wine	401,282	8,482	14,171	14,513	13,660	8,988	7,508	6,205	4,505	461,096	18,218	479,314	479,715
White	148,021	4,015	5,601	4,939	4,792	2,781	1,983	2,098	1,863	170,148	5,944	176,092	176,879
Red	253,261	4,468	8,570	9,574	8,868	6,207	5,525	4,107	2,642	290,948	12,274	303,222	302,836
Grapes													
Excluding Rootstock	606,318	13,514	20,369	17,966	20,051	13,999	11,519	9,331	6,975	692,343	27,697	720,041	720,644
Rootstock	485	84	12	79	121	21	63	54	19	-	-	938	999
All Grapes	606,802	13,598	20,382	18,045	20,172	14,019	11,582	9,385	6,994	692,343	27,697	720,979	721,643

1/ Totals may not add due to rounding.

2/ Non-bearing years are 2016, 2017 and 2018. 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 1/

Variety	2010 and Earlier	2011	2012	2013	2014	2015	2016	2017	2018	2018			2017 Total
										Bearing	Non-Bearing 2/	Total	
Acres													
Black Corinth *	1,271	21	46	0	0	0	0	0	0	1,338	0	1,338	1,403
Dovine	448	0	18	0	0	0	0	0	1	466	1	467	556
Fiesta	11,099	298	651	649	1,161	230	834	815	506	14,086	2,155	16,241	12,269
Selma Pete	3,544	536	328	259	163	348	76	186	781	5,179	1,042	6,221	5,275
Sultana	119	0	0	0	0	0	0	0	0	119	0	119	119
Thompson Seedless	125,194	230	303	91	209	178	34	105	148	126,204	287	126,492	129,690
Other Raisin	639	0	6	31	161	0	65	17	0	837	82	919	875
Total Raisin	142,314	1,085	1,351	1,029	1,694	756	1,010	1,122	1,435	148,229	3,567	151,796	150,186

* Synonyms for variety names are shown on Page 6.

1/ Totals may not add due to rounding.

2/ Non-bearing years are 2016, 2017 and 2018. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

TABLE 3 - TABLE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA 1/

Variety	2010 and Earlier	2011	2012	2013	2014	2015	2016	2017	2018	2018			2017 Total
										Bearing	Non-Bearing 2/	Total	
Acres													
Adora	0	0	0	0	0	75	0	0	0	75	0	75	75
Allison	134	184	72	0	35	370	407	228	19	795	654	1,449	1,296
Arra	340	0	10	54	0	0	22	0	0	404	22	426	426
Autumn King	3,206	759	921	154	736	253	307	182	19	6,028	507	6,535	6,482
Autumn Royal	3,179	94	209	127	299	59	113	23	0	3,967	136	4,102	4,252
Beauty Seedless *	154	0	0	2	0	0	0	0	0	156	0	156	176
Big Green	0	0	0	75	0	0	0	0	0	75	0	75	75
Black Ivory	0	9	0	0	0	22	0	9	20	30	29	59	39
Black Morocco	232	0	0	0	0	0	0	0	0	232	0	232	232
Blanc Seedless	218	0	0	0	109	215	138	0	0	543	138	680	741
Calmeria	418	0	0	0	0	0	0	0	0	418	0	418	418
Candy Snaps	0	0	0	0	40	0	0	36	0	40	36	76	76
Castlerock Red	182	0	0	0	0	0	0	0	0	182	0	182	182
Christmas Rose	78	0	0	0	0	0	0	0	0	78	0	78	83
Concord	48	2	0	2	0	0	0	9	0	52	9	61	62
Cotton Candy	0	0	105	231	0	34	0	281	0	370	281	651	651
Crimson Seedless *	7,159	0	232	70	75	140	0	0	0	7,677	0	7,677	8,548
Crispy	79	0	0	0	0	0	0	0	0	79	0	79	0
Early Muscat	79	0	0	0	0	0	0	0	0	79	0	79	79
Early Sweet	84	0	0	0	0	0	0	0	0	84	0	84	84
Emerald Seedless *	228	0	60	0	32	0	0	0	0	319	0	319	320
Emperatriz	80	0	0	0	0	0	0	0	0	80	0	80	80
Emperor	451	0	0	0	0	0	0	0	0	451	0	451	451
Esteem	160	0	0	0	0	0	0	0	0	160	0	160	160
Fantasy Seedless	545	0	70	0	0	0	0	0	0	615	0	615	693
Flame Seedless *	13,428	236	191	58	241	228	263	15	50	14,395	314	14,709	15,385
Flame Tokay	152	0	0	0	0	0	0	0	0	152	0	152	151
Flaming Red	39	0	0	0	0	0	20	0	0	39	20	59	59
Funny Fingers	0	0	0	0	0	0	0	74	0	0	74	74	74
Golden Globe	306	0	0	0	0	0	0	0	0	306	0	306	306
Grape King	43	0	0	0	16	0	0	0	0	59	0	59	59
Great Green	158	0	0	0	105	84	6	18	45	347	69	416	371
Ivory Seedless	0	0	0	0	9	0	105	25	136	9	267	276	0
Jacks Salute	40	207	0	10	0	64	0	0	93	321	93	414	321
Jade Seedless	76	0	0	0	0	0	0	0	0	76	0	76	76
Jubilee	0	0	0	0	77	72	0	0	0	149	0	149	162
Krissy	23	0	49	94	60	45	266	157	61	270	484	755	662
Kyoho	16	0	0	0	9	21	0	36	4	46	40	86	69
Luisco	311	93	152	38	13	0	0	0	0	607	0	607	621
Magenta	78	0	0	0	19	15	36	52	30	112	117	229	109
Muscat Flame	79	0	0	23	0	0	0	0	0	101	0	101	153
Niabell	97	0	0	0	0	0	0	0	0	97	0	97	97
Nicolo	19	0	41	20	0	20	0	0	0	100	0	100	100
Olivette Blanche *	21	0	36	0	0	0	0	0	0	57	0	57	57
Packinghouse Culls	38	0	0	0	48	0	0	0	0	86	0	86	86
Perlette	911	0	0	0	18	0	0	0	0	929	0	929	929
Prima Black Seedless	77	0	0	0	0	0	0	0	0	77	0	77	77
Princess *	2,123	21	32	0	0	61	0	0	0	2,238	0	2,238	2,528
Pristine	374	0	39	0	39	0	0	0	0	451	0	451	451
Raspberry Lemonade	0	0	0	0	0	79	0	0	0	79	0	79	79
Red Globe *	5,742	225	102	63	492	0	0	20	0	6,624	20	6,644	7,143
Ribier	171	0	0	0	8	0	0	0	0	178	0	178	180
Royal Black Seedless	57	0	0	0	0	0	0	0	0	57	0	57	57
Ruby Seedless *	1,548	142	0	0	85	18	0	0	0	1,793	0	1,793	1,831
Scarlet	573	0	0	65	0	16	1	0	0	653	1	654	750
Scarlet Royal	4,124	790	554	416	756	461	187	197	98	7,103	481	7,584	7,673
Sheegene 12	0	0	0	0	0	0	0	37	57	0	95	95	0
Sheegene 13	0	0	0	0	0	0	69	74	0	0	143	143	0
Sheegene 18	0	0	0	0	0	0	0	36	28	0	64	64	36
Sheegene 2	0	0	0	0	0	0	34	36	0	0	70	70	0
Sheegene 21	31	0	0	54	276	290	115	285	103	650	503	1,153	1,013
Sugar Crunch	0	0	0	0	40	0	0	0	37	40	37	77	40
Sugranineteen	647	0	0	0	0	0	0	0	0	647	0	647	647
Sugraone *	4,376	64	93	114	59	221	98	0	0	4,974	52	5,026	5,148
Sugrasixteen	67	0	0	0	0	75	0	0	0	142	0	142	142
Sugrathirteen	480	0	0	0	0	7	0	0	0	487	0	487	487
Sugrathirtyeight	0	0	0	0	0	32	50	0	0	82	0	82	82
Summer Crunch	0	0	0	0	0	74	119	0	0	74	119	193	193
Summer Royal	800	13	32	43	29	44	10	0	17	960	27	987	1,024
Sweet Celebration	381	13	510	76	37	0	0	0	39	1,017	39	1,055	1,017
Sweet Globe	0	0	0	0	0	180	80	0	58	180	138	318	245
Sweet Sapphire	0	0	0	70	183	195	0	0	0	449	0	449	449
Sweet Scarlet	419	131	0	17	68	109	15	0	0	743	15	758	728
Sweet Sunshine	98	0	0	0	0	0	0	0	0	98	0	98	98
Thomcord	15	3	12	25	5	19	18	0	0	79	18	97	97
Timco	54	175	99	96	87	64	234	61	0	573	295	868	848
Tudor	11	0	0	40	0	0	0	0	0	51	0	51	51
Valley Pearl	0	20	0	0	0	46	0	17	5	66	22	88	30
Vintage Red	499	69	79	140	101	78	12	0	0	966	12	977	1,204
90-3618	255	0	0	0	0	0	0	0	0	255	0	255	255
Other Table	6,912	698	1,149	248	492	470	278	96	118	9,986	475	10,460	10,612
Total Table	62,722	3,947	4,847	2,423	4,696	4,255	3,001	2,004	1,035	83,018	5,913	88,931	90,743

1/ Totals may not add due to rounding.

2/ Non-bearing years are 2016, 2017 and 2018. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

TABLE 4 - WHITE WINE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA 1/

Variety	2010 and Earlier	2011	2012	2013	2014	2015	2016	2017	2018	2018			2017 Total
										Bearing	Non-Bearing 2/	Total	
Acres													
Albarino	236	19	2	5	18	10	35	72	0	289	107	396	347
Arneis	53	0	2	0	1	0	0	0	0	56	0	56	55
Burger *	1,103	0	0	0	0	0	0	0	0	1,103	0	1,103	848
Catarratto	99	0	0	0	0	0	0	0	0	99	0	99	99
Chardonnay *	82,845	1,039	1,092	2,036	2,192	1,080	959	852	1,054	90,284	2,864	93,148	93,452
Chenin Blanc	4,067	83	68	27	322	7	51	2	15	4,573	68	4,641	4,790
French Colombard	14,388	515	2,006	993	301	5	35	5	0	18,206	40	18,246	18,907
Gewurztraminer	1,280	139	233	2	8	4	0	0	50	1,665	50	1,715	1,636
Grenache Blanc	218	13	18	30	11	9	5	14	1	298	20	319	329
Gruner Veltliner	152	9	4	2	0	0	17	0	1	167	18	185	183
Malvasia Bianca	974	84	1	2	0	0	2	0	0	1,061	2	1,063	1,110
Marsanne	106	0	3	4	5	1	0	1	0	119	1	120	121
Moscato Gaillo *	1	0	150	0	0	0	0	0	0	151	0	151	151
Muscat Blanc *	1,837	257	536	306	50	1	2	0	0	2,987	2	2,989	3,001
Muscat of Alexandria	2,625	996	527	295	2	0	1	0	0	4,445	1	4,446	4,620
Muscat Orange	227	24	73	8	3	0	11	0	0	334	11	345	377
Palomino *	145	0	0	0	0	0	0	0	0	145	0	145	155
Picpoul Blanc	20	8	3	2	1	4	5	6	4	38	15	53	45
Pinot Blanc	267	7	3	0	0	0	3	0	0	277	3	280	299
Pinot Gris *	11,531	45	188	727	1,590	1,310	595	504	438	15,391	1,537	16,928	16,880
Roussanne	286	7	5	4	10	5	4	1	0	318	5	322	323
Sauvignon Blanc	13,155	220	273	151	125	239	206	580	265	14,163	1,052	15,215	14,851
Sauvignon Musque	258	76	1	0	0	4	3	3	0	339	6	345	335
Sauvignon Vert *	11	40	0	0	0	0	0	0	0	51	0	51	53
Semillon	524	12	2	4	4	1	4	7	2	546	13	559	578
St. Emilion *	96	0	3	0	0	1	0	2	0	100	2	102	100
Symphony	1,254	230	0	0	0	0	8	0	0	1,484	8	1,492	1,492
Tocai Friulano	45	4	0	0	0	1	0	0	0	51	0	51	51
Triplett Blanc	757	0	0	4	0	0	0	0	0	761	0	761	985
Verdelho	87	5	16	3	35	0	2	0	0	146	3	148	149
Vermentino *	34	6	13	7	22	7	4	1	9	89	14	103	91
Viognier	2,525	11	24	20	43	3	13	3	13	2,627	29	2,655	2,710
White Riesling *	3,224	55	342	238	34	61	6	2	1	3,953	9	3,962	3,849
Other White Wine	3,593	112	12	69	17	31	16	43	10	3,834	68	3,902	3,907
Total White Wine	148,021	4,015	5,601	4,939	4,792	2,781	1,983	2,098	1,863	170,148	5,944	176,092	176,879

* Synonyms for variety names are shown on Page 6.

1/ Totals may not add due to rounding.

2/ Non-bearing years are 2016, 2017 and 2018. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

TABLE 5 - RED WINE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA 1/

Variety	2010 and Earlier	2011	2012	2013	2014	2015	2016	2017	2018	2018			2017 Total
										Bearing	Non-Bearing 2/	Total	
Acres													
Aglianico	47	7	4	9	2	9	2	5	0	77	7	84	80
Alicante Bouschet *	720	1	139	6	14	4	0	10	0	884	11	895	902
Barbera	4,622	15	46	93	74	14	65	7	8	4,865	80	4,945	4,889
Cabernet Franc	2,951	29	60	80	218	66	55	55	19	3,404	129	3,533	3,517
Cabernet Sauvignon	71,916	1,393	3,864	4,176	3,180	3,050	2,799	1,568	1,296	87,579	5,662	93,241	91,834
Carignane	2,040	3	301	8	8	0	1	2	0	2,360	3	2,363	2,403
Carmenere	56	0	1	5	0	3	2	6	0	65	8	72	68
Carnelian	262	0	0	0	0	0	0	0	0	262	0	262	262
Centurian	92	0	0	0	0	0	0	0	0	92	0	92	80
Charbono	73	1	0	0	0	2	0	0	0	76	0	76	75
Cinsaut *	68	1	2	2	1	3	4	1	1	77	6	82	76
Counoise	45	4	0	2	0	1	1	1	6	51	8	60	53
Dolcetto	81	1	0	1	0	0	0	4	0	82	4	86	84
Dornfelder	48	19	0	0	0	2	0	0	0	69	0	69	68
Gamay (Napa) *	215	0	35	0	0	0	0	0	0	250	0	250	251
Graciano	30	22	0	0	2	2	3	0	1	56	4	60	50
Grenache *	3,610	95	207	97	85	57	63	50	32	4,150	145	4,294	4,413
Lagrein	34	0	0	21	0	2	1	0	0	57	1	58	58
Malbec	2,113	447	637	204	202	61	53	47	10	3,665	110	3,775	3,822
Merlot	36,520	433	265	343	438	107	92	230	161	38,105	483	38,587	39,786
Meunier *	163	8	0	1	0	1	0	1	0	174	1	175	204
Mission	407	0	0	0	0	1	0	0	50	408	50	458	409
Montepulciano	58	0	2	13	17	2	1	3	0	92	4	96	98
Mourvedre *	914	38	24	23	29	13	19	31	21	1,041	70	1,111	1,107
Muscat Hamburg *	254	0	57	0	0	0	0	0	0	311	0	311	301
Nebbiolo	133	1	0	2	2	4	2	3	0	141	4	145	142
Petit Verdot	2,174	164	121	282	135	271	280	16	11	3,146	307	3,453	3,408
Petite Sirah	7,852	505	412	716	782	638	639	325	137	10,904	1,101	12,005	11,468
Pinot Noir	37,977	687	967	1,482	2,002	1,061	666	1,261	731	44,175	2,657	46,832	45,304
Pinotage	52	0	0	0	0	0	0	1	0	52	1	53	53
Primitivo	393	16	128	493	224	9	28	42	14	1,263	84	1,347	1,335
Royalty	230	0	0	0	0	0	0	0	0	230	0	230	230
Rubired *	10,236	297	188	127	281	313	100	49	0	11,441	149	11,590	11,590
Ruby Cabernet	4,070	0	121	0	82	77	0	0	0	4,350	0	4,350	4,701
Sangiovese *	1,493	32	21	6	14	9	6	3	4	1,575	13	1,588	1,569
Souzao	82	0	7	2	0	0	0	0	0	92	0	92	86
Syrah *	15,173	45	99	149	207	40	95	60	35	15,713	191	15,904	16,448
Tannat	330	9	159	29	37	4	58	1	10	568	69	637	569
Tempranillo *	760	16	15	63	21	28	33	12	5	904	50	953	942
Teroldego	79	6	0	189	264	91	274	59	15	629	348	978	980
Touriga Nacional *	254	1	0	1	42	1	0	0	1	298	1	299	295
Zinfandel	39,472	130	481	781	463	166	160	205	36	41,494	400	41,894	43,210
Other Red Wine	5,164	41	207	167	44	99	26	52	40	5,721	117	5,838	5,617
Total Red Wine	253,261	4,468	8,570	9,574	8,868	6,207	5,525	4,107	2,642	290,948	12,274	303,222	302,836

* Synonyms for variety names are shown on Page 6.

1/ Totals may not add due to rounding.

2/ Non-bearing years are 2016, 2017 and 2018. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

Grape Variety Synonyms

Alicante Bouschet *-Alicante	Muscat Blanc *-Muscat Canelli,	Palomino *-Golden Chasselas
Beauty Seedless *-Black Beauty	Muscat Blanc A Petits Grains	Pinot Gris *-Pinot Grigio
Black Prince *-Rose of Peru	Muscat Hamburg *-Black Muscat	Princess *-Melissa
Blaufraenkisch *-Lemberger	Negrette *-Pinot St. George	Red Globe *-Rose Ito
Burger *-Monbadon	Nero D'Avola *-Calabrese	Refosco *-Mondeuse
Chardonnay *-Pinot Chardonnay,	Other Red Wine -Alvarelhao, Canaiolo Nero,	Ribolla Gialla *-Rebolla
Chardonnay Musque	Carmine, Colorino, Corvina, Early	Rubired *-Tintoria
Cinsaut *-Black Malvoisie, Black Malvasia	Burgundy, Lenoir, Gros Verdot, Mencia,	Ruby Seedless *-King Ruby
Crimson Seedless *-Red Crimson	Peloursin, Pfeffer Cabernet, Ribolla Nera,	Sangiovese *-Sangioveseto, Brunello
Emerald Seedless *-Black Seedless	Ruby Royal, Schioppettino, St Laurent,	Sauvignon Vert *-Muscadelle
Flame Seedless *-Red Flame	St Macaire, Terrett Noir, Tinta Amarella,	St. Emilion *-Ugni Blanc, Trebbiano
Gamay (Napa) *-Gamay, Valdiguie	Tinta Barroca, Tinta Negra Mole, Touriga	Syrah *-French Syrah, Shiraz, Syrah Noir
Gray Riesling *-Trousseau Gris	Francesca, Zweigelt	Tempranillo *-Tinta Roriz, Valdepenas
Grenache *-Grenache Noir	Other White Wine -Aligote, Arinto, Bacchus,	Touriga Nacional *-Touriga
Italia *-Muscat Italia	Bourboulenc, Chasseslas Dore, Clairette	Trousseau *-Bastardo
Meunier *-Pinot Meunier	Blanche, Coda di Volpe, Falaghina Greco,	Vermentino *-Vennentino
Moscato Gaillo *-Muscat Yellow	Garnacha Blanca, Greco, Kerner, Montonico,	White Riesling *-Johannisberg Riesling, Riesling
Mourvedre *-Mataro	Petit Manseng, Peverella, Rkatsiteli,	
	Scheurebe, Verdicchio, Vidal	

* indicates the published name includes more than one variety name

The detailed *CALIFORNIA GRAPE ACREAGE REPORT, 2018 CROP* entire bulletin,
as well as individual tables, will be available free-of-charge at www.nass.usda.gov/ca