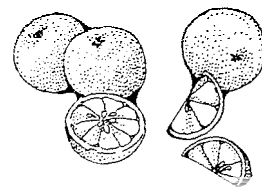
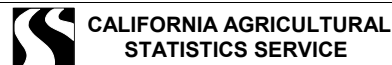


# 1998 California Citrus Acreage Report



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## RESULTS

The California Agricultural Statistics Service recently conducted a Citrus Acreage Survey to estimate the 1998 acreage of citrus standing in California. The results of that survey are shown below.

### 1998 CALIFORNIA CITRUS ACREAGE

Crop	Bearing	Non-Bearing	Total
Navel Oranges	128,244	8,270	136,514
Valencia Oranges	73,567	4,739	78,307
Lemons	47,248	6,471	53,720
Grapefruit	14,502	606	15,108
Pummelos	2,641	1,151	3,792
Tangerines	8,253	1,841	10,094
Limes	695	22	717

The Citrus Acreage Survey was originally mailed to all known California growers in April of 1997. Since it had been several years since the citrus acreage had been updated, there were a substantial number of changes in ownership and tree inventory. To add to the difficulty, many citrus orchards have been removed in Southern California, while considerable new plantings have occurred in the southern San Joaquin Valley. Consequently, a number of new parcels were added to our data base. The new parcels are the result of list building efforts using County Agricultural Commissioners' acreage updates and acreage reported through the California Department of Pesticide Regulation. Even with the list building activities, it is difficult to obtain a one-hundred percent enumeration and some growers were undoubtedly missed. Since the acreage survey was completed over a two-year period, there are undoubtedly additional changes that have occurred since the original questionnaires were mailed.

The attached summary tables show the results of the Citrus Acreage Survey. These data are for dissemination to the citrus industry and other interested parties. Only State and county totals have been published; individual reports remain confidential.

## OBJECTIVES

The California Agricultural Statistics Service (CASS) conducted the acreage survey to provide the current acreage, variety, and year of plant data.

## PROCEDURES

The Citrus Acreage Survey was designed to collect all citrus acreage in California. USDA's National Agricultural Statistics Service allocated funding for this survey, of which half was for the 1997-98 fiscal year and half for the 1998-99 fiscal year.

CASS maintains a fruit data base, which serves as the main source for questionnaire mailing. Growers on this data base were sent a questionnaire with previously reported crop, variety, trees, acreage, and planting information preprinted. Recipients were asked to update the information. CASS's data base was also compared to the California Department of Pesticide Regulations (DPR) pesticide use permit list and industry lists. Growers not included in CASS's data base were sent a blank questionnaire and asked to provide specific information on their respective citrus acreage.

Acreage questionnaires were mailed in April 1997. Respondents were given a couple months to return a response via mail. CASS personnel then conducted telephone follow-ups on non-respondents. Field personnel made personal visits to large growers and those CASS could not contact by mail or telephone. Survey data received on or before April 21, 1999 was edited and included in the final summary.

## ACKNOWLEDGMENTS

A special thanks goes to the many citrus farm operators and owners who provided information on their operations. The support was outstanding and we appreciate the time spent completing the questionnaires. Likewise, thanks go to Cindy Claypoole and her staff from our office for the tremendous amount of work they did to complete this survey.

JIM TIPPETT  
State Statistician

DWAINE NELSON  
Deputy State Statistician

GARY NELSON  
Agricultural Statistician  
Fruit and Nut Group -- (916) 498-5177

Comments or questions should be directed to:

California Agricultural Statistics Service (CASS)  
P.O. Box 1258, Sacramento, CA 95812  
(916) 498-5177/(FAX) 498-5186

1998 ACREAGE BY TYPE, COUNTY, AND YEAR PLANTED 1/

Type and County	1989 & Earlier	1990	1991	1992	1993	1994	1995	1996	1997	1998	Acres Standing in 1998		
											Bearing	Non-Bearing	Total
Acres													
<b>ORANGES, NAVEL</b>													
BUTTE	172	0	2	3	2	0	0	0	2	0	178	2	180
FRESNO	16,906	1,026	1,014	891	564	246	170	266	295	98	20,647	829	21,476
GLENN	666	13	0	24	2	6	0	0	3	0	712	3	715
IMPERIAL	92	5	0	0	0	0	0	0	4	0	97	4	101
KERN	22,095	1,374	1,167	845	1,008	473	377	551	331	179	26,963	1,438	28,401
MADERA	2,714	75	12	0	0	20	0	0	0	0	2,820	0	2,820
RIVERSIDE	5,707	7	29	2	8	0	31	49	0	0	5,753	80	5,833
SAN BERNARDINO	2,505	5	0	2	0	10	1	15	4	0	2,521	19	2,541
SAN DIEGO	1,000	4	3	0	0	3	3	0	2	0	1,010	5	1,015
TULARE	59,068	1,391	1,409	1,798	1,153	1,355	1,288	1,194	1,731	1,590	66,174	5,803	71,978
VENTURA	1,062	18	12	1	6	4	3	10	38	2	1,102	52	1,154
OTHER COUNTIES	251	3	7	4	1	2	0	11	23	0	268	34	302
STATE TOTAL	112,237	3,918	3,655	3,570	2,745	2,119	1,873	2,096	2,432	1,869	128,244	8,270	136,514
<b>ORANGES, VALENCIA</b>													
FRESNO	5,035	287	113	105	0	5	11	35	54	18	5,545	118	5,663
IMPERIAL	372	85	0	75	0	0	0	5	0	0	532	5	537
KERN	8,104	907	330	620	24	1	11	187	261	42	9,985	501	10,486
MADERA	913	178	0	0	0	20	0	0	0	0	1,110	0	1,110
ORANGE	390	0	0	0	0	2	0	0	5	0	392	5	397
RIVERSIDE	5,277	72	25	162	0	0	14	89	1,141	50	5,535	1,293	6,828
SAN BERNARDINO	2,409	0	0	0	0	1	0	0	15	0	2,410	15	2,425
SAN DIEGO	6,334	208	16	31	8	32	51	20	63	20	6,629	154	6,783
SAN LUIS OBISPO	199	0	13	19	0	4	0	0	5	0	234	5	239
TULARE	25,263	594	1,113	481	262	321	372	603	642	860	28,033	2,477	30,510
VENTURA	12,709	82	67	71	45	50	66	20	57	24	13,025	167	13,191
OTHER COUNTIES	136	1	1	0	0	0	0	0	0	0	138	0	138
STATE TOTAL	67,140	2,413	1,677	1,565	338	434	525	959	2,242	1,014	73,567	4,739	78,307
<b>LEMONS</b>													
FRESNO	827	20	34	42	12	0	9	0	0	21	922	42	964
IMPERIAL	873	100	147	212	200	323	300	325	371	300	1,531	1,619	3,150
KERN	3,646	54	2	66	0	0	0	0	0	0	3,767	0	3,767
MONTEREY	244	102	160	80	250	39	60	85	0	0	585	433	1,017
ORANGE	434	0	0	0	0	0	0	0	0	0	434	0	434
RIVERSIDE	4,027	350	99	224	393	230	153	213	320	331	5,092	1,246	6,338
SAN BERNARDINO	450	3	0	0	0	0	0	0	6	0	453	6	460
SAN DIEGO	2,991	11	8	72	5	16	2	83	18	0	3,086	120	3,206
SAN LUIS OBISPO	870	18	38	9	97	124	24	65	101	8	934	419	1,353
SANTA BARBARA	1,570	14	6	33	70	17	2	27	5	11	1,694	61	1,755
TULARE	3,454	79	50	29	24	24	8	0	0	0	3,612	57	3,668
VENTURA	23,038	475	518	590	304	444	487	480	559	498	24,925	2,467	27,392
OTHER COUNTIES	189	0	0	25	0	2	0	0	0	0	214	3	216
STATE TOTAL	42,611	1,224	1,060	1,381	1,355	1,218	1,045	1,277	1,380	1,168	47,248	6,471	53,720
<b>GRAPEFRUIT 2/</b>													
IMPERIAL	315	50	89	130	120	20	20	12	10	10	704	72	775
KERN	898	50	103	69	58	22	0	0	0	0	1,120	80	1,200
RIVERSIDE	7,801	147	126	139	56	77	44	79	35	21	8,269	255	8,524
SAN BERNARDINO	860	0	0	0	4	0	0	0	0	0	864	0	864
SAN DIEGO	1,732	21	14	69	20	2	6	5	5	0	1,855	19	1,874
TULARE	353	132	50	59	50	60	34	0	3	0	594	147	741
VENTURA	881	0	15	0	0	1	0	1	3	29	896	34	930
OTHER COUNTIES	146	15	35	4	0	0	0	0	0	0	200	0	200
STATE TOTAL	12,985	415	432	470	308	183	104	96	56	60	14,502	606	15,108
<b>PUMMELOS &amp; HYBRIDS</b>													
FRESNO	16	8	87	12	26	36	19	29	0	0	149	84	233
IMPERIAL	235	48	0	38	0	12	0	73	37	0	321	121	442
KERN	110	26	36	114	50	165	122	4	0	0	335	292	626
RIVERSIDE	571	70	253	178	70	69	84	142	22	0	1,142	318	1,460
SAN DIEGO	29	3	12	48	3	6	11	20	0	2	95	38	134
TULARE	389	42	45	13	101	137	59	74	1	0	590	271	862
OTHER COUNTIES	3	7	0	0	0	25	0	1	0	0	10	26	36
STATE TOTAL	1,353	203	433	403	249	451	295	343	60	2	2,641	1,151	3,792

**1998 ACREAGE BY TYPE, COUNTY, AND YEAR PLANTED 1/**

Type and County	1989 & Earlier	1990	1991	1992	1993	1994	1995	1996	1997	1998	Acres Standing in 1998		
											Bearing	Non-Bearing	Total
Acres													
<b>TANGERINES, ALL</b>													
FRESNO	598	93	98	51	4	39	53	85	59	6	840	245	1,085
IMPERIAL	369	0	0	85	0	0	0	0	0	0	454	0	454
KERN	1,433	20	10	0	9	0	121	280	128	25	1,463	562	2,025
MADERA	335	43	4	0	0	0	10	14	0	0	383	24	407
RIVERSIDE	2,123	107	54	104	42	16	62	88	11	33	2,429	210	2,639
SAN BERNARDINO	270	0	0	0	0	0	0	0	0	0	270	0	270
SAN DIEGO	579	2	1	0	3	18	1	1	39	0	585	59	644
STANISLAUS	105	32	0	0	25	0	0	0	20	28	137	73	210
TULARE	1,341	111	19	48	81	109	134	78	188	8	1,518	598	2,116
OTHER COUNTIES	153	10	2	9	6	19	7	4	36	0	175	70	245
STATE TOTAL	7,306	417	188	296	170	202	387	549	480	99	8,253	1,841	10,094
<b>LIME</b>													
SAN DIEGO	565	3	0	0	0	4	0	1	0	0	568	5	573
OTHER COUNTIES	122	3	0	1	1	0	2	0	6	10	127	17	144
STATE TOTAL	687	6	0	1	2	4	2	1	6	10	695	22	717

1/ Shaded area indicates non-bearing years. Totals may not add due to rounding.

2/ Excludes pummelos and hybrids.

**1998 ACREAGE BY TYPE, VARIETY, AND YEAR PLANTED 1/**

Type and Variety	1989 & Earlier	1990	1991	1992	1993	1994	1995	1996	1997	1998	Acres Standing in 1998		
											Bearing	Non-Bearing	Total
Acres													
<b>ORANGES, NAVEL 2/</b>													
BLOOD ORANGE	418	73	43	45	10	17	0	6	8	0	605	14	619
STATE TOTAL	418	73	43	45	10	17	0	6	8	0	605	14	619
<b>PUMMELOS &amp; HYBRIDS</b>													
CHANDLER	301	41	13	12	36	71	17	40	0	0	403	128	531
MELOGOLD	164	6	27	85	36	52	27	0	1	0	318	80	397
ORO BLANCO	851	153	306	306	178	328	251	303	59	2	1,793	943	2,736
SHADDOCK	37	4	87	0	0	0	0	0	0	0	128	0	128
STATE TOTAL	1,353	203	433	403	249	451	295	343	60	2	2,641	1,151	3,792
<b>TANGERINES, ALL 3/</b>													
TANGERINES/MANDARINS	3,152	302	156	213	161	130	350	458	441	65	3,866	1,562	5,427
FAIRCHILD	1,559	77	50	83	40	26	34	32	2	7	1,809	101	1,909
SATSUMA	1,002	190	105	70	70	88	164	194	200	39	1,368	753	2,122
OTHER TANGERINES	590	35	0	61	52	15	152	232	240	20	689	708	1,397
TANGELOS	3,879	111	29	73	6	73	33	91	34	33	4,092	269	4,361
MINNEOLA	3,620	104	29	73	6	73	33	89	34	33	3,827	266	4,093
OTHER TANGELOS	258	7	0	0	0	0	1	2	0	0	265	3	268
TANGORS/TEMPLES	276	5	4	9	2	0	4	0	5	1	296	10	306
STATE TOTAL	7,306	417	188	296	170	202	387	549	480	99	8,253	1,841	10,094

1/ Shaded area indicates non-bearing years. Totals may not add due to rounding.

2/ Included in county table under Oranges, Navel.

3/ Bearing year varies; see county table under Tangerines, All.