

# 1993 CALIFORNIA ALMOND ACREAGE SURVEY

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CALIFORNIA AGRICULTURAL  
STATISTICS SERVICE

## OBJECTIVES

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

## PROCEDURES

Acreage survey preparation began in October 1993 as a cooperative effort between the almond, walnut, and prune industries. These industries felt an acreage survey was necessary due to action taken by the California Legislature in 1993 that eliminated funding for collection of acreage data. Due to the enormous number of almond, walnut, and prune growers in California, the survey was designed to operate on a two-year rotational basis with half of almond/walnut/prune growing counties contacted each year (see table back page). In 1993, seventeen counties were surveyed. These seventeen counties represent approximately half of the almond, walnut, and prune growers in the State.

CASS maintains a fruit data base which served as the main source for questionnaire mailing. Industry organizations as well as independent and co-op handlers provided CASS with lists to obtain growers that were not already on the data base. Growers already on the data base received a questionnaire with crop, variety, trees, acreage, and planting information pre-printed. Recipients were asked to update the information. Growers not included in CASS's data base were sent a blank questionnaire and asked to provide specific information on their almond, walnut, and prune acreage.

Acreage questionnaires were mailed on January 18, 1994. Respondents were given four weeks 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 29, 1994 was edited and included in the final summary. Final analysis and summary work was completed on May 6, 1994.

## RESULTS

The almond, walnut, and prune industry showed strong support for the survey. Over 10,000 parcel records were mailed to over 7,000 growers. Over half were returned by mail; about 30 percent by phone; and about 10 percent by personal visit. Overall, approximately 95 percent of the parcels were completed. Efforts to obtain information from the remaining non-respondents continue.

The 1993 California acreage survey results indicate 428,212 total acres of almonds. Of this total, 401,652 acres were bearing and 26,560 acres were non-bearing. The Nonpareil variety accounted for the majority of almond acreage planted at 48 percent of total acreage. The next most common variety was Carmel at 17 percent of total acreage. Kern County shows the largest acreage planted to almonds at 19 percent of total almond acreage. It is closely followed by Merced at 17 percent and Stanislaus at 16 percent of total acreage.

When interpreting data, please keep in mind that the Almond, Walnut, and Prune Acreage Survey was designed to function on a two year cycle. Based on this year's survey results, additional acreage changes should be expected after completion of next year's survey. Many of these changes were the result of extensive acreage data collection in counties that had not been surveyed in recent years.

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

## ACKNOWLEDGEMENTS

A special thanks goes to the many almond, walnut, and prune farm operators and owners who provided information on their operations. The support was outstanding and we appreciate the time spent completing questionnaires. Likewise, thanks to the Almond Board of California, the Prune Marketing Committee, and the Walnut Marketing Board for their funding and support of this special acreage update survey.

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1993 ALMOND ACREAGE BY COUNTY, BY YEAR PLANTED

County	1981 & Earlier	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	Acres Standing in 1993 a/		
														Bearing	Non-Bearing	Total
Butte	28,094	1,820	792	497	481	499	269	508	385	1,191	573	537	447	34,536	1,557	36,093
Calaveras	32													32	0	32
Colusa	9,828	1,061	277	227	388	419	125	517	724	570	37	36		14,136	73	14,209
Contra Costa	127	3				3						3	1	133	4	137
Fresno	21,636	1,756	843	628	803	1,280	1,731	2,944	2,251	4,326	977	935	1,475	38,198	3,387	41,585
Glenn	11,055	1,236	289	473	195	104	107	1,402	1,272	655	276	241	270	16,788	787	17,575
Kern	54,608	3,266	1,009	553	848	796	750	2,027	4,191	3,565	2,529	1,178	4,373	71,613	8,080	79,693
Kings	796	378	81		2	100	4	23	39	4	480			1,427	480	1,907
Lake	1													1	0	1
Los Angeles	1													1	0	1
Madera	23,409	3,917	698	1,381	955	947	832	1,152	1,468	690	652	174	1	35,449	827	36,276
Merced	47,844	4,022	1,428	2,162	1,289	777	1,848	2,157	2,620	2,315	2,645	1,371	317	66,462	4,333	70,795
Monterey	3													3	0	3
Placer	61													61	0	61
Riverside	20								1					21	0	21
Sacramento	3					116								119	0	119
San																
Bernardino	26,093	1,495	639	558	809	680	665	703	785	658	389	707	655	33,085	1,751	34,836
San Joaquin	35													35	0	35
San Luis Obispo	2,597	12	12						15					2,636	0	2,636
Shasta	8													8	0	8
Solano	923	40						.4	19					989	0	989
Stanislaus	45,198	3,247	1,559	1,495	1,281	1,108	1,698	2,814	1,864	1,616	1,361	1,808	1,411	61,881	4,580	66,461
Sutter	2,753	43	31	98	185	122	27	159	93	116	71			3,627	71	3,698
Tehama	3,569	857	147	52	81	102	170	172	111	76	302	1	2	5,237	305	5,542
Tulare	6,547	476	458	314	26	77	225	139	173	159	129	68	1	8,517	198	8,715
Yolo	3,656	44	1,068	41	36	64	27	54	52	24	20	22	22	5,079	64	5,143
Yuba	1,387	18	13	20			26	41	8	1	60	3		1,578	63	1,641
TOTAL	290,249	23,691	9,379	8,500	7,380	7,195	8,504	14,816	15,971	15,967	10,501	7,084	8,975	401,652	26,560	428,212

a/ Non-bearing includes plantings for 1991-93.

1993 NONPAREIL VARIETY ACREAGE SUMMARY BY YEAR PLANTED

Variety	1981 & Earlier	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	Acres Standing in 1993 a/		
														Bearing	Non-Bearing	Total
Butte	14,568	500	260	138	193	175	96	202	102	406	203	147	178	16,640	528	17,168
Calaveras	12													12	0	12
Colusa	4,356	347	91	52	61	133	2	201	296	214	18	15		5,753	33	5,786
Contra Costa	23	1										2		24	2	26
Fresno	10,428	739	406	304	392	551	757	1,281	827	1,853	403	397	513	17,538	1,313	18,851
Glenn	5,380	592	107	237	54		32	509	481	325	125	82	42	7,717	249	7,966
Kern	32,206	1,578	505	285	423	419	310	877	2,041	1,696	778	294	1,752	40,340	2,824	43,164
Kings	460	68	35		1	51	2	12	17	2	240			648	240	888
Lake	1													1	0	1
Los Angeles	1													1	0	1
Madera	11,976	1,558	301	640	461	479	339	321	548	299	236	15		16,922	251	17,173
Merced	24,736	1,253	439	751	444	270	646	601	966	828	692	492	158	30,934	1,342	32,276
Placer	26													26	0	26
Riverside	15													15	0	15
Sacramento	3					58								61	0	61
San Bernardino			17											17	0	17
San Joaquin	14,452	539	275	236	267	288	209	272	240	250	159	287	265	17,028	711	17,739
San Luis Obispo	1,546	7	7											1,560	0	1,560
Shasta	6													6	0	6
Solano	365	20							10					395	0	395
Stanislaus	23,155	1,198	505	534	510	433	575	1,016	681	570	578	596	523	29,177	1,697	30,874
Sutter	1,275	16	7	28	11	2	6	48	11	26	30			1,430	30	1,460
Tehama	1,911	415	57		34	48	74	73		38	154	1		2,650	155	2,805
Tulare	3,580	237	207	159	13		104	70	87	39	43			4,496	43	4,539
Yolo	1,488	13	96	7	5	24	13	15	9	7	5	5	1	1,677	11	1,688
Yuba	742	9					11	18	7	1	30			788	30	818
TOTAL	152,711	9,090	3,315	3,371	2,869	2,931	3,176	5,516	6,323	6,554	3,694	2,333	3,432	195,856	9,459	205,315

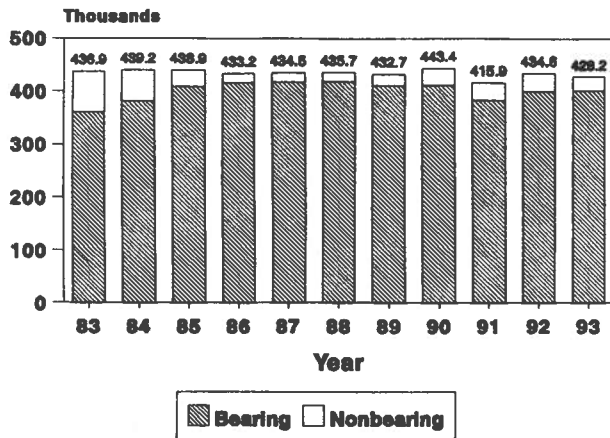
a/ Non-bearing includes plantings for 1991-93.

ALMOND ACREAGE AS OF 1993 -- VARIETIES AND AGE GROUPS -- STATE SUMMARY  
ACREAGE PLANTED DURING YEARS SHOWN AND STANDING IN 1993

Variety	1981 & Earlier	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	Acres Standing in 1993 g/		Total
														Bearing	Non-Bearing	
Aldrich	6	5	3	6	17	13	13	13	32	43	66	66	29	151	161	312
Ballico	55												10	55	10	65
Butte	2,697	899	353	299	254	273	474	1,135	1,273	1,764	1,636	874	1,024	9,421	3,534	12,955
California/CA	19	1		6	1	3				76				106	0	106
Papershell	35,277	6,692	3,048	2,515	2,100	2,241	2,656	4,016	3,701	3,512	2,020	1,414	1,482	65,758	4,916	70,674
Carmel	164	9	18	4	1	4	11	9	12	4		29		228	29	257
Carriens	5	41							7			10		57	10	67
Clamper	441													441	0	441
Davey	28	11	4						6	5				49	5	54
Dottie Won	931				1	3	8	12	6		3			935	3	938
Drake	75												10	101	10	111
Early Mission	1,638	291	103	151	387	226	230	436	890	407	409	75	434	4,759	918	5,677
Fritz	2,033	21		5	2	7			5	18	1			2,091	1	2,092
Harvey	598	77	36		25	40			17					793	0	793
Hasham	302					1								303	0	303
IXL	545													545	0	545
Jeffries	114									2				116	0	116
Jordanolo	195	85	8	10	2					1	23		13	301	36	337
Kapareil	1,355	57	41	3	8	8				8				1,480	0	1,480
Le Grand	145	11	4	46	46	15	15	28	6	34	75	14	16	289	105	394
Livingston	14,965	15	25	22	111	23	14	30	18	18	26	35	16	15,241	77	15,318
Merced	192													192	0	192
Milo	96	24	24	141	17	34	15	5	8	28	36			1,360	36	1,396
Mono	1,667	1,065	362	166	120	38	406	595	339	483	174	266	385	5,241	825	6,066
Monterey	57													57	0	57
N-43	12,430	390	76	112	56	70	48	104	32	121	135	17	43	13,439	195	13,634
Ne Plus Ultra	152,711	9,090	3,315	3,371	2,869	2,931	3,176	5,516	6,323	6,554	3,694	2,333	3,432	195,856	9,459	205,315
Nonpareil	539	12			14								2	565	2	567
Norman	635	36	31	23	31	12	25	43	58	9	243	190	29	903	462	1,365
Other	6	37	23	4	6	40	109	371	629	637	491	444	607	1,862	1,542	3,404
Padre	7,516	745	248	262	280	220	144	286	222	255	63	73	39	10,178	175	10,353
Peerless	13,752	1,862	710	776	709	476	501	809	771	753	371	341	230	21,119	942	22,061
Price Cluster	1,928	615	195	210	83	113	179	342	202	124	124	56	50	3,991	230	4,221
Ruby	433	32	7	2	18		1	2		8				503	0	503
Sauret #1	450	10		3	18					2	1			483	1	484
Sauret #2	80													80	0	80
Scheletter	27,148	1,177	627	365	185	354	78	246	767	546	174	289	625	1,702	1,088	2,790
Sonora	6,841	184	107	23	24		334	768	518	395	585	370	333	31,871	1,288	33,159
Texas/Mission	56	1					15	6	5	10	11	1	12	7,215	24	7,239
Thompson	608	44					21	6	14		14			57	0	57
Tioga	23	80	11	4	8		20	38	116	145	121	187	154	352	462	814
Tokoyo	597									4				696	0	696
Wood Colony	290,249	23,691	9,379	8,500	7,380	7,195	8,504	14,816	15,971	15,967	10,501	7,084	8,975	401,652	26,560	428,212
Yosemite																
TOTAL																

g/ Non-bearing includes plantings for 1991-93.

## CALIFORNIA ALMOND ACREAGE 1983-1993



COUNTIES SURVEYED IN 1994	COUNTIES TO BE SURVEYED IN 1995
Butte Contra Costa Glenn Mendocino Placer Sacramento San Joaquin San Luis Obispo Santa Barbara Santa Clara Shasta Solano Sonoma Stanislaus Tehama Yolo Yuba	Alameda Amador Calaveras Colusa El Dorado Fresno <u>1/</u> Kern Kings Lake Madera Merced Monterey Napa Riverside San Benito San Diego San Mateo Santa Cruz Sutter Tulare Ventura

1/ A complete census was conducted for Fresno County in 1992-93.

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