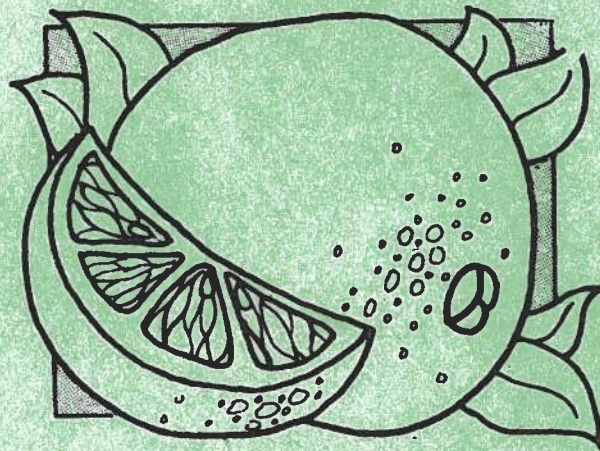


PERMANENT
RECORD FILE

VALENCIA ORANGE

OBJECTIVE MEASUREMENT SURVEY



1986-87 SURVEY
DECEMBER 10, 1986

CALIFORNIA AGRICULTURAL STATISTICS SERVICE (CASS)

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1986-87 CALIFORNIA VALENCIA ORANGE ESTIMATE

The 1986-87 Valencia orange forecast is 29.0 million -- 75 pound boxes (58.0 million -- 37.5 pound cartons), based on the recent Objective Measurement (OM) Survey. This is up 35 percent from the 21.5 million boxes in the 1985-86 season. Set and size data are available in Tables 3 and 4.

SURVEY HISTORY

A Valencia Orange Objective Measurement (OM) Survey, funded by the Valencia Orange Administrative Committee (VOAC), has been conducted in southern California since the 1984-85 crop year. The survey has been conducted in the central valley since the 1985-86 crop year. The data was used for research purposes until the 1986-87 season. This current forecast was made using OM data and the December Farm Report of Valencia orange crop condition and yield.

SURVEY SAMPLE

A sample of approximately 129 Blocks were completed in the central valley and 142 blocks in southern California. The sample was randomly selected proportional to county and variety bearing acreage. Once a grove is randomly chosen and permission is granted, two trees are randomly selected. Trunk and branch measurements, fruit counts, and size data are then made on each tree.

ACREAGE

The acreage tables (Table 5 and Table 6) are the same that appear in the 1985 California Fruit and Nut Acreage publication. These acreage figures are preliminary and may be revised in the 1986 Fruit and Nut Acreage publication to be released in June of 1987.

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**TABLE 1 - California Valencia Oranges:
Acreage, Yield, Production, Grower Return, and Value a/**

Year	Bearing Acres	Yield	Utilized Production	Grower Return Per Box	Total Value
		(Boxes Per Acre)	(1,000 Boxes)	(Dollars)	(1,000 Dollars)
1981-82	71,914	214	15,400	11.51	177,304
1982-83	68,440	525	35,900	3.66	131,371
1983-84	68,082	217	14,800	14.22	210,440
1984-85	67,251	390	26,200	7.95	208,360
1985-86	67,603	318	21,500	5.75	123,580
1986-87 b/	67,100	432	29,000	N/A	N/A

TABLE 2 - California Valencia Oranges: Sales by Utilization and Average Grower Return a/

Year	Fresh Market	Grower Return Per Box	Processing	Grower Return Per Box
	(1,000 Boxes)	(Dollars)	(1,000 Boxes)	(Dollars)
1981-82	12,200	14.04	3,200	1.88
1982-83	16,050	5.86	19,850	1.88
1983-84	12,200	16.84	2,600	1.92
1984-85	17,300	10.48	8,900	3.04
1985-86	17,000	7.10	4,500	.64
1986-87	N/A	N/A	N/A	N/A

a/ 1 box = 75 pounds.

b/ Preliminary forecast as of December 1.

TABLE 3 - Average Orange Set Per Tree, by County

Year	San Diego	San Bernardino	Riverside	Orange	Ventura	Southern California
1986-87	873	893	1,083	836	607	810
	Kern	Tulare	Fresno	Madera	Central Valley	State
1986-87	870	820	747	584	814	812

TABLE 4 - Average Orange Diameter (Inches) by County

Year	San Diego	San Bernardino	Riverside	Orange	Ventura	Southern California
1986-87	2.29	2.11	2.11	2.18	2.26	2.20
	Kern	Tulare	Fresno	Madera	Central Valley	State
1986-87	2.41	2.28	2.35	2.41	2.31	2.25

TABLE 5 - Valencia Orange Acreage by County as of 1985

County	Bearing	Non-Bearing	Total
Alameda	1	—	1
Butte	1	—	1
El Dorado	—	2	2
Fresno	3,546	615	4,161
Glenn	101	—	101
Imperial	572	—	572
Kern	4,509	895	5,404
Los Angeles	106	4	110
Madera	665	21	686
Merced	—	10	10
Napa	7	—	7
Orange	4,189	5	4,194
Riverside	7,132	180	7,312
San Bernardino	2,740	—	2,740
San Diego	7,641	55	7,696
San Luis Obispo	19	—	19
Santa Barbara	18	—	18
Solano	1	—	1
Sutter	14	—	14
Tehama	2	—	2
Tulare	21,920	561	22,481
Ventura	14,419	147	14,566
STATE	67,603	2,495	70,098

TABLE 6 - California Orange Acreage, by Variety and Year of Planting

CROP AND VARIETY	1973 AND EARLIER	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	ACRES STANDING IN 1985: NOW- BEARING-TOTAL:
ORANGES - ALL														
MEDITERRANEAN SWT														
NAVEL	49	0	336	0	134	0	196	0	251	0	123	0	127	0
NAVEL ATWOOD	53,733	284	11	332	14	239	0	261	0	89	0	234	0	55,293
NAVEL FISHER	2,155	0	11	111	0	28	0	0	7	0	0	40	0	2,324
NAVEL FROST	0	0	0	0	0	0	0	10	32	40	130	142	54	0
NAVEL MILLER	3,042	4	10	0	0	0	0	0	0	0	0	0	0	3,056
NAVEL ROBERTSON	362	0	0	0	0	0	0	0	0	0	0	0	0	362
NAVEL THOMSON	95	0	0	0	1	0	0	0	0	0	0	0	0	96
NAVEL TULGOLD	692	0	1	6	0	7	6	0	4	6	0	25	25	712
NAVEL WASHINGTON	583	74	30	38	35	56	87	45	13	111	7	0	0	903
NUCELLAR	40,276	119	124	270	216	141	79	89	147	110	20	206	5	41,226
NVL ATWOOD EARLY	100	0	0	0	0	0	0	0	0	0	0	0	0	100
NVL SKAGGS BONANZA	330	18	0	11	3	1	9	0	0	0	0	0	0	372
NVL THOMSON IMP	788	55	65	139	108	44	9	80	22	46	0	24	0	1,128
RUBY/RUBY BLOOD	528	14	6	31	121	16	52	10	26	0	73	42	153	768
VALENCIA	198	0	0	0	0	0	0	0	0	2	0	0	0	198
VALENCIA CAMPBELL	59,979	297	422	684	242	219	341	435	252	280	608	431	11	62,394
VALENCIA FROST	1,820	0	0	3	0	5	12	39	0	10	0	65	142	1,837
VALENCIA INDIAN RIV	293	0	0	0	0	0	7	2	4	0	0	0	0	302
VALENCIA OLINDA	10	1	3	0	0	0	0	0	0	0	126	0	0	14
OTHER	2,788	0	15	5	0	0	14	287	40	38	40	38	99	2,990
	386	102	4	6	16	31	13	2	22	11	0	128	11	560
CROP TOTAL	168,119	973	1,827	1,633	890	787	825	1,171	822	663	1,127	1,384	627	174,676
														5,378
														180,046