

# 1990-91 CALIFORNIA VALENCIA ORANGE OBJECTIVE MEASUREMENT SURVEY RESULTS

PERMANENT RECORD



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CALIFORNIA AGRICULTURAL  
STATISTICS SERVICE

## 1990-91 CALIFORNIA VALENCIA ORANGE FORECAST

The 1990-91 Valencia orange forecast for all California is 46.0 million (37.5 pound) cartons based on the November Objective Measurement (OM) Survey.

### 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. Both areas were surveyed in November. The data were

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 182 blocks was completed in the central valley and also 182 blocks in southern California. The sample was randomly selected proportional to county and variety bearing acreage. Once a grove was randomly chosen and permission granted, two trees were randomly selected. Trunk and branch measurements along with fruit counts were then made on each tree. Size data are collected by the VOAC with their regular monthly tagged fruit and growth survey.

TABLE 1: CALIFORNIA VALENCIA ORANGES: CENTRAL VALLEY (DISTRICT 1) AND SOUTHERN CALIFORNIA (DISTRICT 2)

Crop Year	Final Utilized Production (37.5 Lb. Cartons a/)	Bearing Acres a/	Average Trees Per Acre b/	Average Set Per Tree b/	Average Dec. 1 Diameter (Inches) c/	Average July 1 Diameter (Inches) c/
<b>DISTRICT 1</b>						
1985-86	18,564,000	32,342	128	442	2.535	2.878
1986-87	22,918,000	33,280	128	814	2.335	2.567
1987-88	19,444,000	35,077	127	491	2.587	2.836
1988-89	23,866,000	36,515	127	666	2.319	2.565
1989-90	27,416,000	37,425	127	680	2.447	2.654
1990-91	d/	37,836	127	590	2.326	2.593 e/
<b>DISTRICT 2</b>						
1984-85	31,712,000	36,006	128	992	2.223	2.533
1985-86	22,864,000	35,525	128	429	2.304	2.767
1986-87	22,818,000	34,448	128	810	2.198	2.504
1987-88	34,476,000	33,979	127	990	2.224	2.514
1988-89	25,102,000	33,326	127	783	2.239	2.593
1989-90	25,368,000	32,906	127	746	2.250	2.582
1990-91	d/	32,800	127	471	2.349	2.643 e/

a/ SOURCE: Valencia Orange Administrative Committee. Acreage data for 1989-90 and 1990-91 seasons are preliminary.

b/ SOURCE: California Agricultural Statistics Service.

c/ SOURCE: Valencia Orange Administrative Committee's Tagged Fruit Growth Survey.

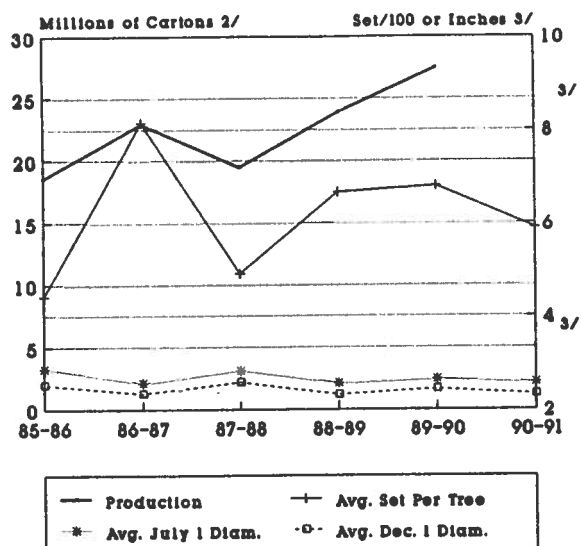
d/ SOURCE: Production forecast not available by district.

e/ SOURCE: Valencia Orange Administrative Committee five-year growth average.

TABLE 2: CALIFORNIA VALENCIA ORANGES: AVERAGE ORANGE SET PER TREE, BY COUNTY

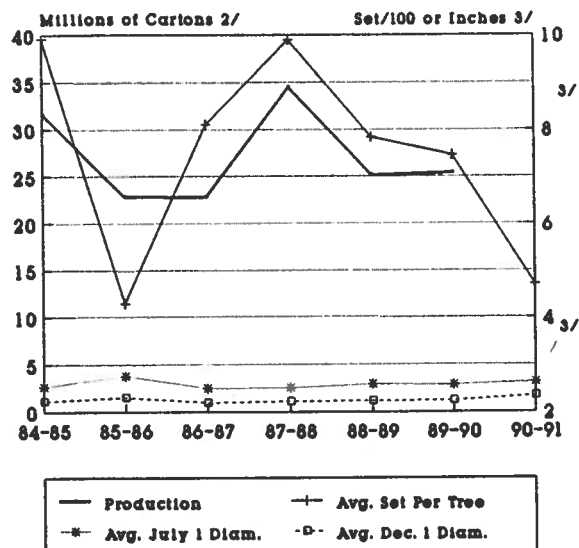
Year	San Diego	San Bernardino	Riverside	Orange	Ventura	Southern California
1986-87	873	893	1,083	836	607	810
1987-88	907	702	732	1,113	1,166	990
1988-89	813	660	1,044	993	597	783
1989-90	646	547	630	996	814	746
1990-91	580	370	521	632	373	471
Year	Kern	Tulare	Fresno	Madera	Central Valley	STATE
1986-87	870	820	747	584	814	812
1987-88	362	550	368	167	491	762
1988-89	813	672	466	276	666	726
1989-90	726	659	853	391	680	715
1990-91	703	582	454	413	590	530

## Central Valley - District 1 Val. Orange O. M. Survey Production 1/, Set, and Size Data



1/ Forecast not available by district  
2/ Cartons are 37.5 pounds each  
3/ Diameter is measured in inches

## Southern Cal. - District 2 Val. Orange O. M. Survey Production 1/, Set, and Size Data



1/ Forecast not available by district  
2/ Cartons are 37.5 pounds each  
3/ Diameter is measured in inches

California Agricultural Statistics Service (CASS)  
P.O. Box 1258  
Sacramento, CA 95812  
(916) 445-3214  
FAX: (916) 551-1528

Jim Tippet  
State Statistician  
  
Ron Radenz  
Deputy State Statistician

Dave Kleweno  
Tom McNair  
Agricultural Statisticians