



2007-08 California Valencia Orange Objective Measurement Report

Cooperating with the California Department of Food and Agriculture

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The 2007-08 Valencia orange forecast is 32.0 million (37.5-pound) cartons, 45 percent above last season's estimated total of 22.0 million cartons. Objective measurement survey data indicated an average fruit set of 692 oranges per tree in the State of California. Fruit sizes have decreased this year, with an average diameter of 2.523 inches.

The Valencia Orange Objective Measurement Survey was reinstated in the year 2000. This year, Valencia oranges were sampled from 656 groves or blocks. The sample blocks were distributed in proportion to the bearing acres in each county and the year the trees were planted. Two trees were sampled in each selected block. Sampling was done by measuring branches, randomly selecting a branch at that stage, then moving to the next stage and repeating the steps until a terminal branch was selected. All oranges on intermediate and terminal branches were counted. Two separate random counts were taken in each tree. The two counts

were mathematically combined to arrive at an estimated total fruit count per tree. Fruit diameter measurements were made on the right quadrant of four trees surrounding the first sampled tree.

A special thanks goes to the many Valencia orange farm operators and owners who provided information on their operations.

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CALIFORNIA VALENCIA ORANGE DATA

Crop Year	Number of Samples Groves	Bearing Acres	Average				
			Trees Per Acre	Set Per Tree	Diameter as of March 1	Diameter as of July 1 a/	
						(Inches)	
2000-01	782	68,000	125	477	2.614	2.867	
2001-02	804	65,000	126	518	2.654	2.831	
2002-03	780	60,000	126	653	2.584	2.750	
2003-04	785	53,000	126	392	2.707	2.870	
2004-05	589	49,000	123	807	2.644	2.807	
2005-06	650	46,000	123	492	2.640	2.800	
2006-07 b/	---	---	---	---	---	---	
2007-08	656	43,000	123	692	2.523	2.695	

a/ Projected data for 2007-08.

b/ Survey not conducted due to freeze.

CALIFORNIA VALENCIA ORANGE ACREAGE, PRODUCTION, AND VALUE 1/

Crop Year	Bearing	Non-Bearing 2/	Yield Per Acre	Production	Value Per Unit 3/	Total Value
	<i>Acres</i>	<i>Acres</i>	<i>Cartons</i>	<i>Cartons</i>	<i>\$/Carton</i>	<i>\$1,000</i>
1994-95	73,000	---	576	42,000,000	4.74	199,042
1995-96	75,000	---	533	40,000,000	5.26	210,190
1996-97	76,000	---	632	48,000,000	4.39	210,370
1997-98	73,200	4,800	684	50,000,000	4.52	225,740
1998-99	73,500	---	408	30,000,000	6.14	184,210
1999-00	71,000	---	676	48,000,000	1.74	83,494
2000-01	68,000	---	558	38,000,000	4.22	160,140
2001-02	65,000	1,080	600	39,000,000	3.76	146,538
2002-03	60,000	---	667	40,000,000	3.27	130,672
2003-04	53,000	443	415	22,000,000	6.24	137,242
2004-05	49,000	402	837	41,000,000	4.19	171,690
2005-06	46,000	---	609	28,000,000	6.46	180,970
2006-07	43,000	---	512	22,000,000	5.93	130,369
2007-08 4/	43,000	---	744	32,000,000	---	---

1/ Net weight per carton is 37.5 pounds.

2/ Non-bearing shown only in year when acreage surveys were conducted.

3/ Equivalent packinghouse door returns.

4/ Forecast.