FORECAST COMPONENTS OF PRODUCTION FROM OBJECTIVE SURVEYS

Fruit type and crop year	Number bearing trees (millions)	Sample survey averages		
		Fruit per tree	Percent drop [1/]	Fruit per box [1/]
EARLY-MID ORANGES (excluding Navels)				
2003-04	32.425	1,224	11	246
2004-05	30.831	886	18	263
2005-06	27.270	947	11	288
2006-07	26.119	690	8	233
2007-08	~~24.473~~ 25.280	~~1,052~~ 1,058	8	264
NAVEL ORANGES				
2003-04	2.018	374	8	130
2004-05	1.784	249	21	136
2005-06	1.525	431	9	139
2006-07	1.388	337	10	130
2007-08	~~1.284~~ 1.303	~~440~~ 443	10	~~138~~ 137
VALENCIA ORANGES				
2003-04	40.950	680	11	198
2004-05	40.427	540	24	215
2005-06	37.161	609	14	240
2006-07	36.161	426	15	198
2007-08	~~33.835~~ 34.918	~~679~~ 676	15	221
WHITE SEEDLESS GRAPEFRUIT				
2003-04	3.133	488	11	91
2004-05	2.624	109	22	86
2005-06	2.133	211	12	86
2006-07	2.012	469	12	84
2007-08	~~1.862~~ 1.833	~~557~~ 558	18	99
COLORED SEEDLESS GRAPEFRUIT				
2003-04	5.721	499	12	101
2004-05	5.079	242	27	97
2005-06	4.330	248	11	91
2006-07	4.232	449	16	91
2007-08	~~4.155~~ 4.094	499	~~12~~ 13	109

[1/] Averages at cut-off month—January 1 for early-mids, December 1 for Navels, April 1 for Valencias, and February 1 for grapefruit.

This page was originally part of the July 2008 release. Revisions to the 2007-08 bearing trees have led to a recalculation of yield components. Original numbers have been struck out with the revised figure placed to the right where applicable.

The table shows the production components used for the 2007-08 forecast season. Bearing trees are estimated at the beginning of each forecast season using the most recent Commercial Citrus Inventory with an allowance for expected attrition. Revisions are made to the historic series where applicable.

Fruit per tree is the weighted average obtained from the annual Limb Count Survey. This survey is conducted during a two-month period beginning in late July. Survey averages for each tree age group within an area are weighted by the estimated number of bearing trees for each age group.

Fruit size measurements and drop observations are obtained from monthly size and drop surveys. The average drop percentages are from the "cut-off" month survey which varies by variety according to the usual harvest period. Average fruit sizes were also obtained from the same survey period but have been converted in the table to estimated number of fruit needed to fill a box.

These four factors are the primary components used in the initial October forecast and in following months up to the "cut-off" for each fruit type. The first two have the greatest influence on the forecast.

$$\textbf{Direct Expansion} = \frac{\text{Bearing Trees} \times \text{Fruit per Tree} \times \text{Percent Remaining at Harvest}}{\text{Pieces of Fruit per Box}}$$