

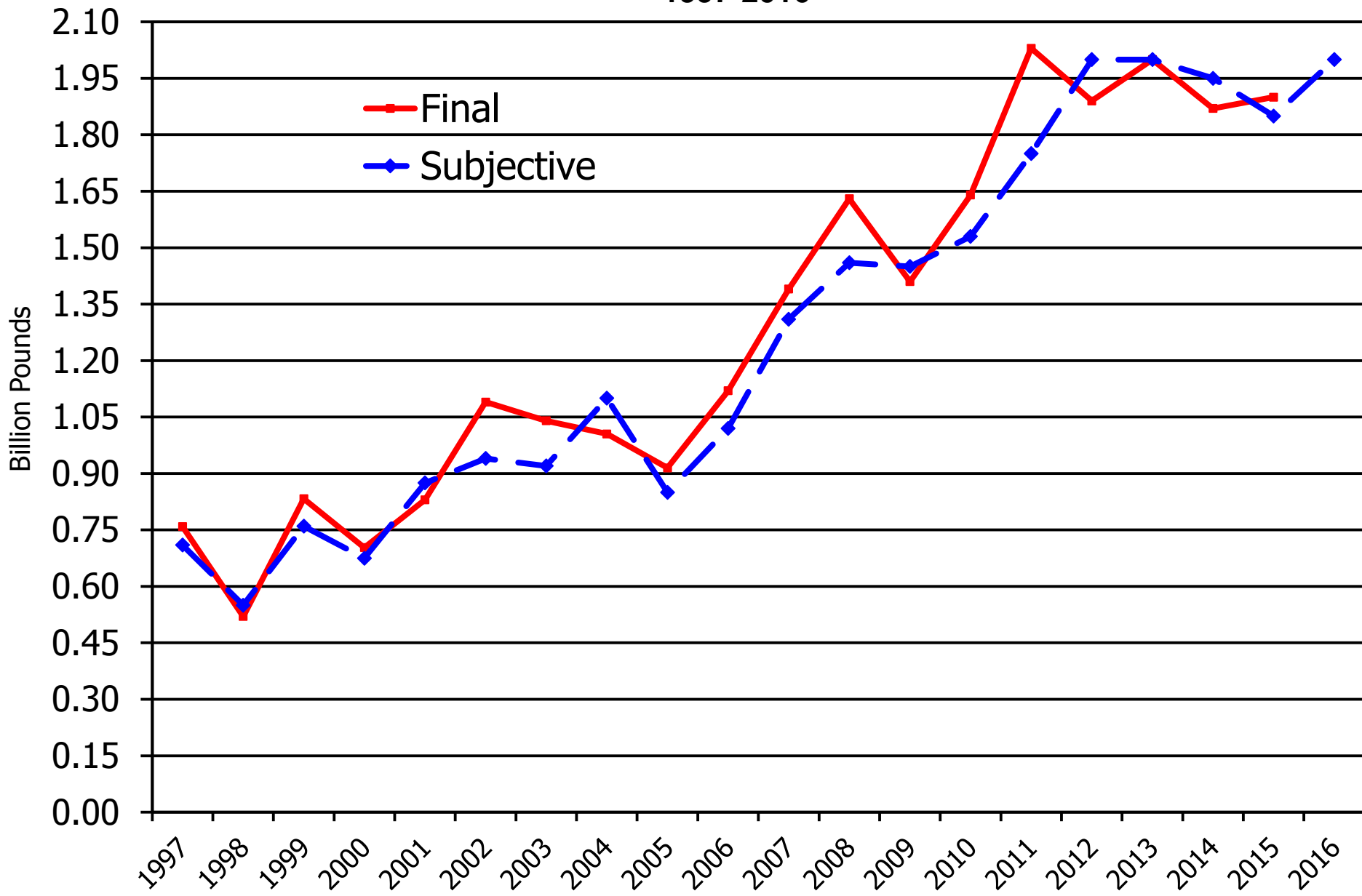
2016 Almond OM Forecast



Presented by Chris Messer
USDA, NASS, Pacific Regional Office (PRO)
July 6, 2016

Almond Subjective Forecast vs. Final Production

1997-2016



Almond Objective Forecast

- **900,000 bearing acres in 2016**
- **Sample: 873 orchard blocks**
- **2 trees per orchard block**
- **Sample represents the population**
- **Field Work: May 23 – June 23**
- **Use 50+ Enumerators**
- **Random Path Method**
- **Sample of Nuts taken and sent to sizing station**
- **Sizers measure kernel weight, length, width, thickness and grade**

Nuts being weighed at a sizing station

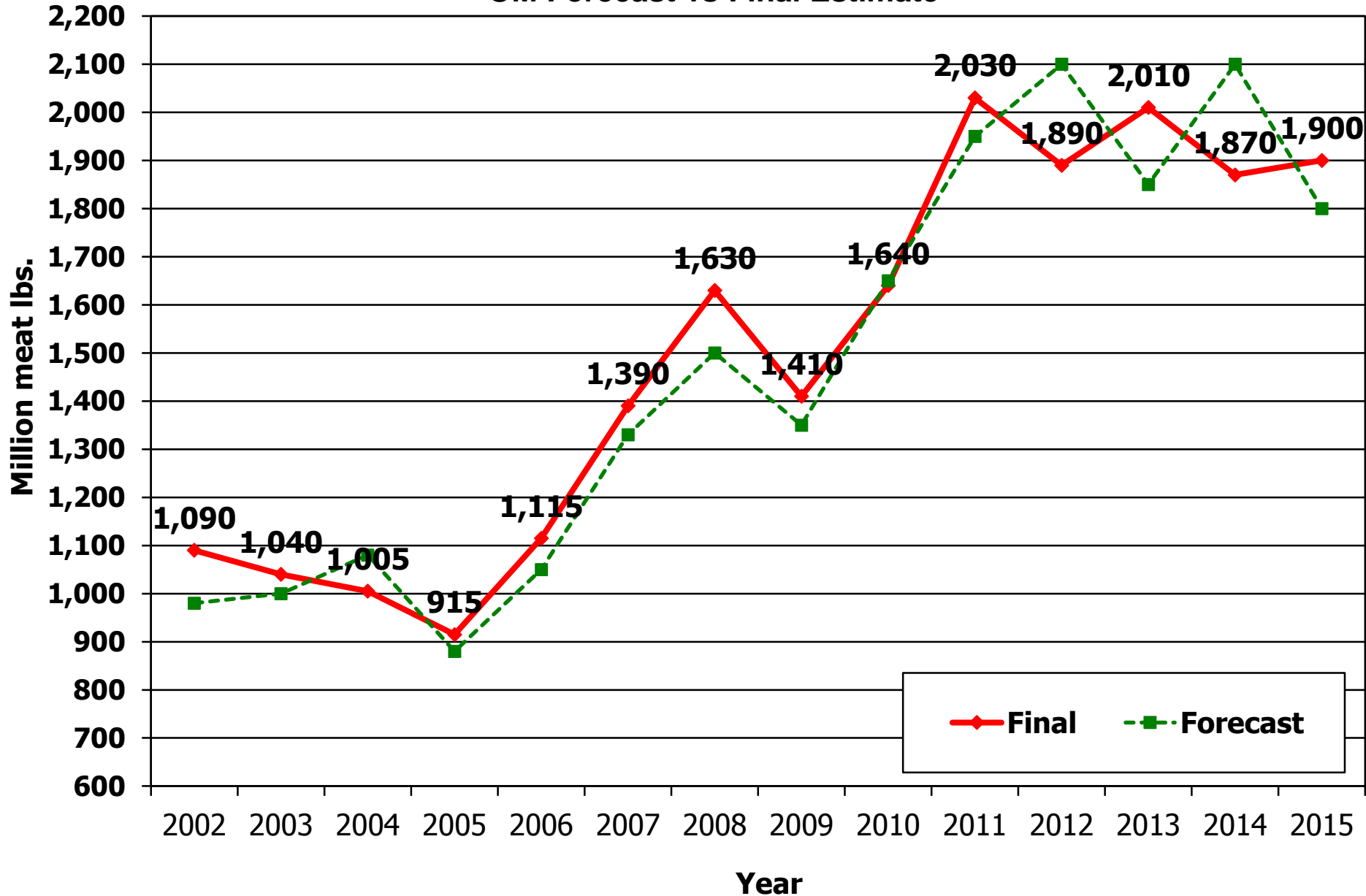


Sample & OM Models

- Samples are designed to take into account variety, location, and age of planting
- Models are designed to produce a forecast of all almond production at the state level from the sample data
- Models do not forecast production by variety. Separate models are run for Nonpareil since there are significant samples.

ALMOND PRODUCTION - CALIFORNIA

OM Forecast vs Final Estimate



Almond Set 2014 – 2016

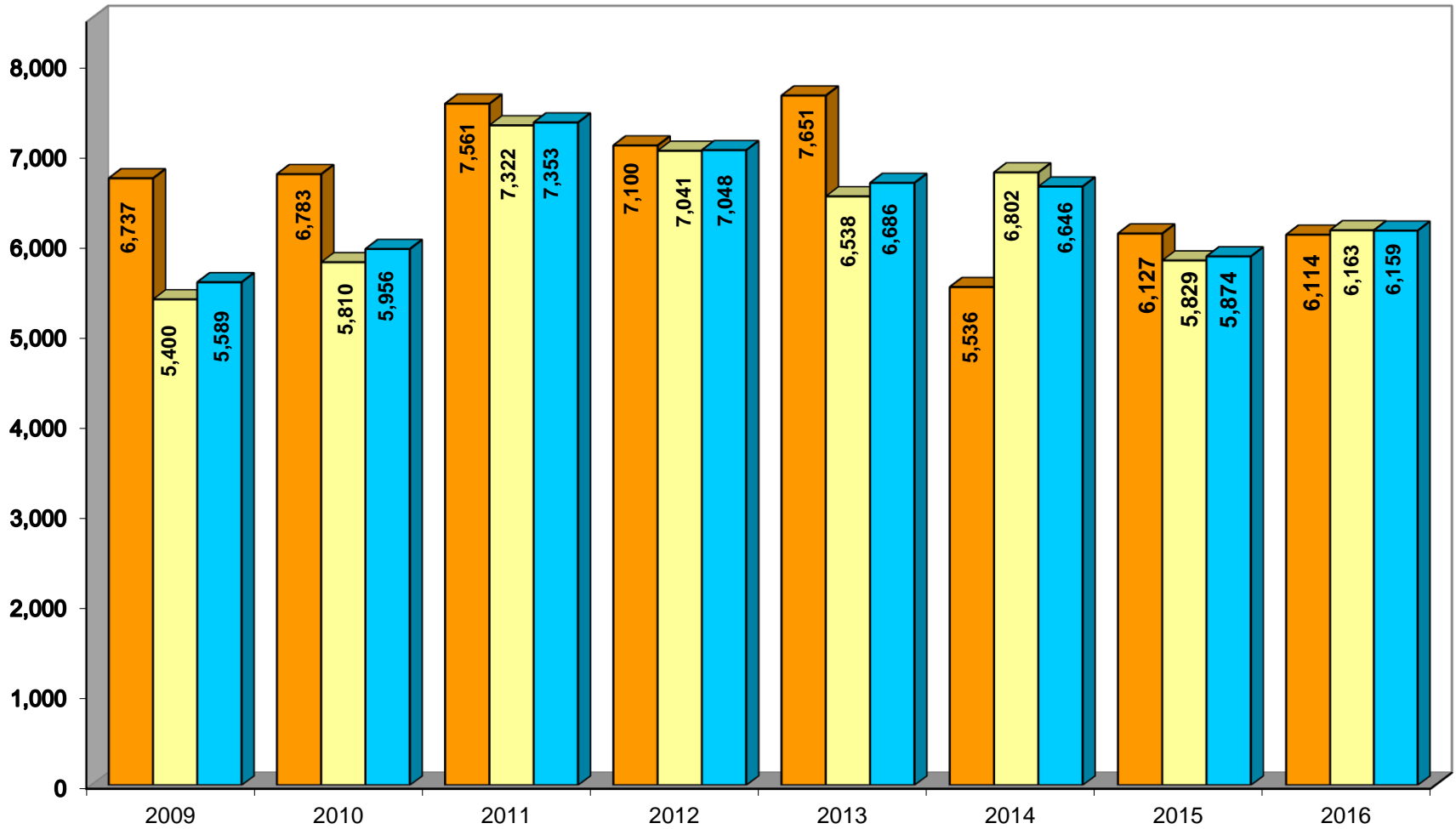
Average nuts per tree

	2014	2015	2016	% Change
California	6,646	5,874	6,159	+4.9%

CALIFORNIA ALMONDS

Nuts per Tree, by District

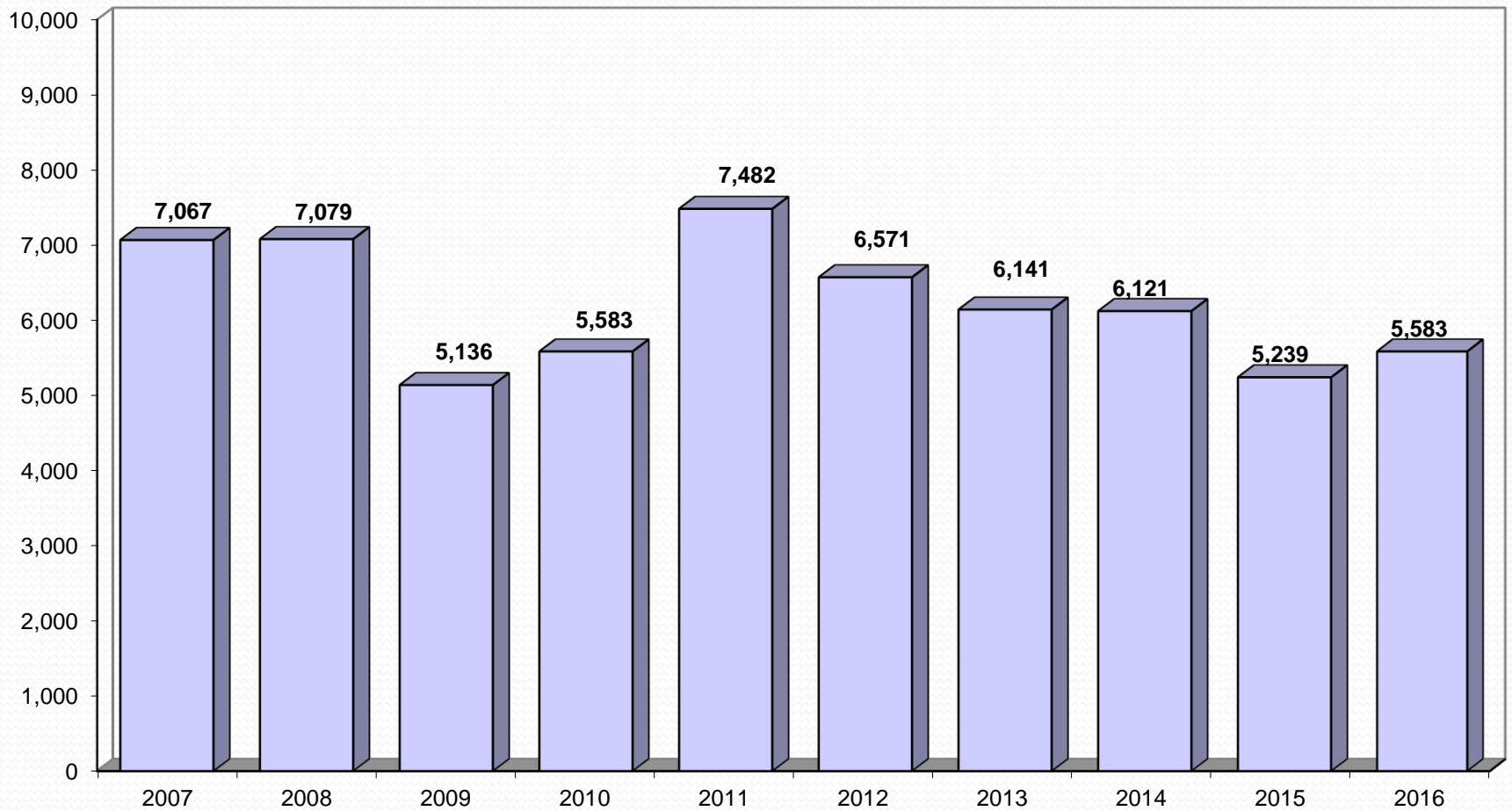
■ Sacramento Valley ■ San Joaquin Valley ■ State



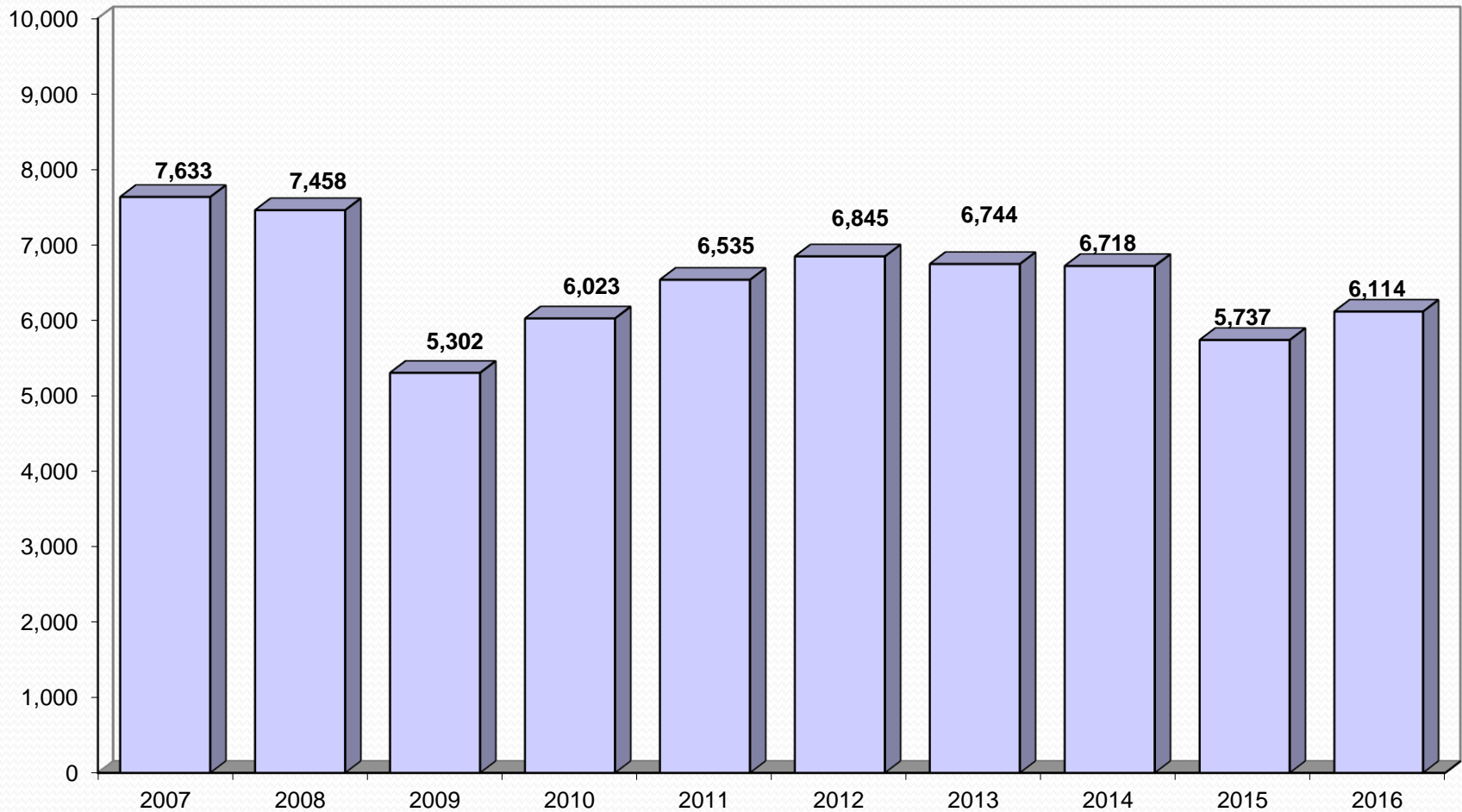
Almond Set per Tree by Variety, 2014-2016

	2014	2015	2016	% Change
Butte	7,443	7,034	7,051	+0.2
California Types	6,718	5,737	6,114	+6.6
Carmel	6,962	5,714	5,849	+2.4
Monterey	5,910	5,333	5,739	+7.6
Nonpareil	6,121	5,239	5,583	+6.6
Padre	7,989	9,037	7,788	-13.8

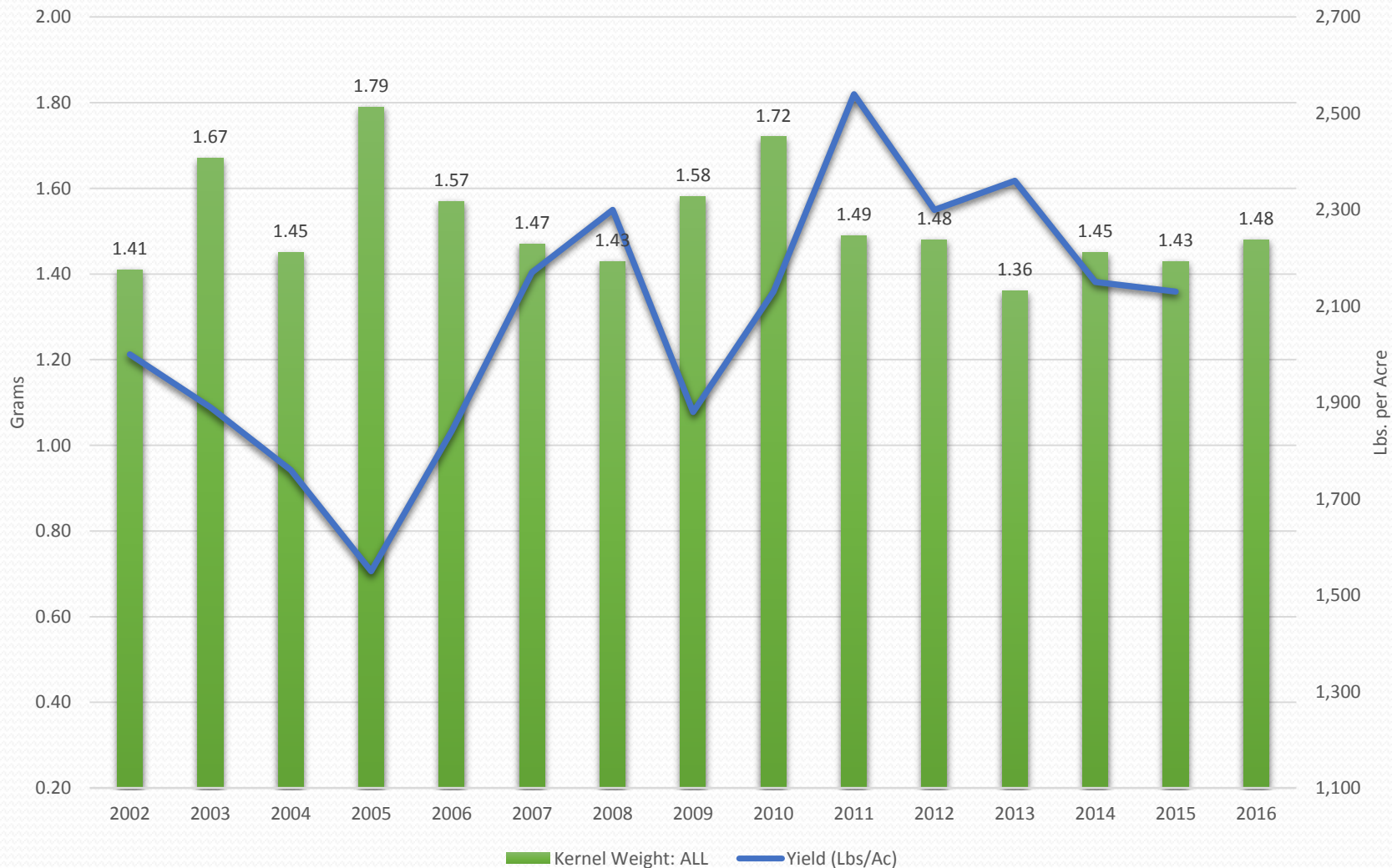
NONPAREIL TYPE Nuts per Tree



CALIFORNIA TYPE Nuts per Tree

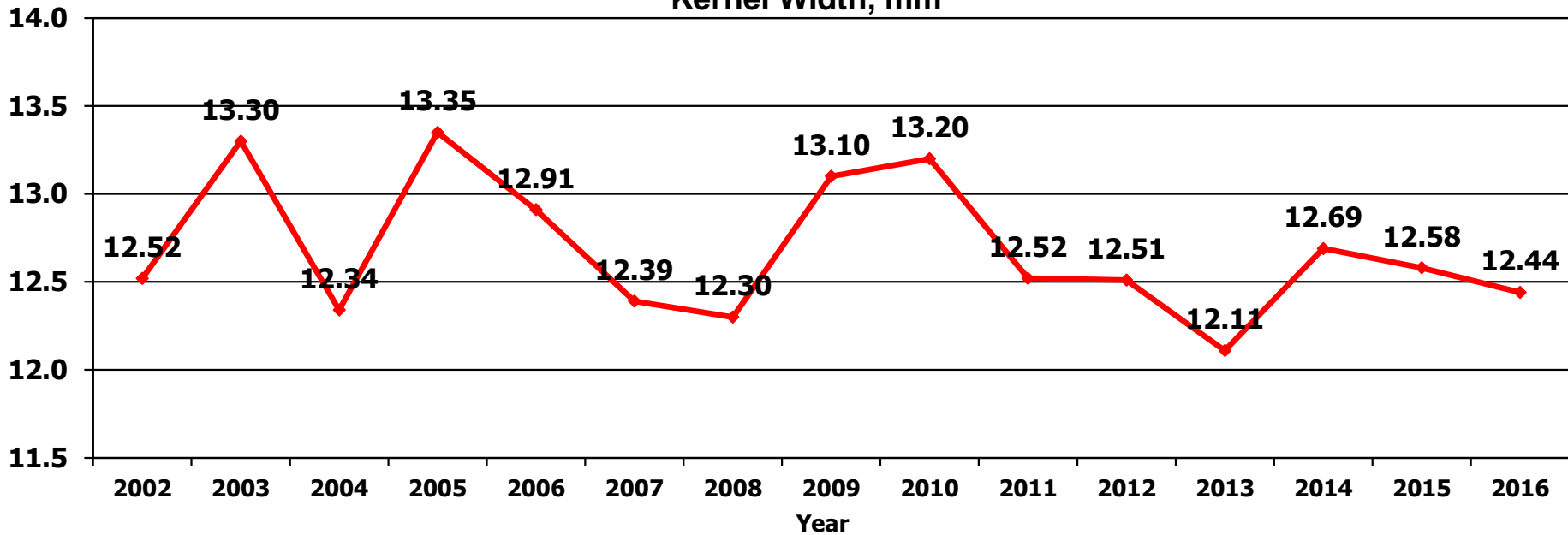


Average Nut Weight (grams) vs. Yield



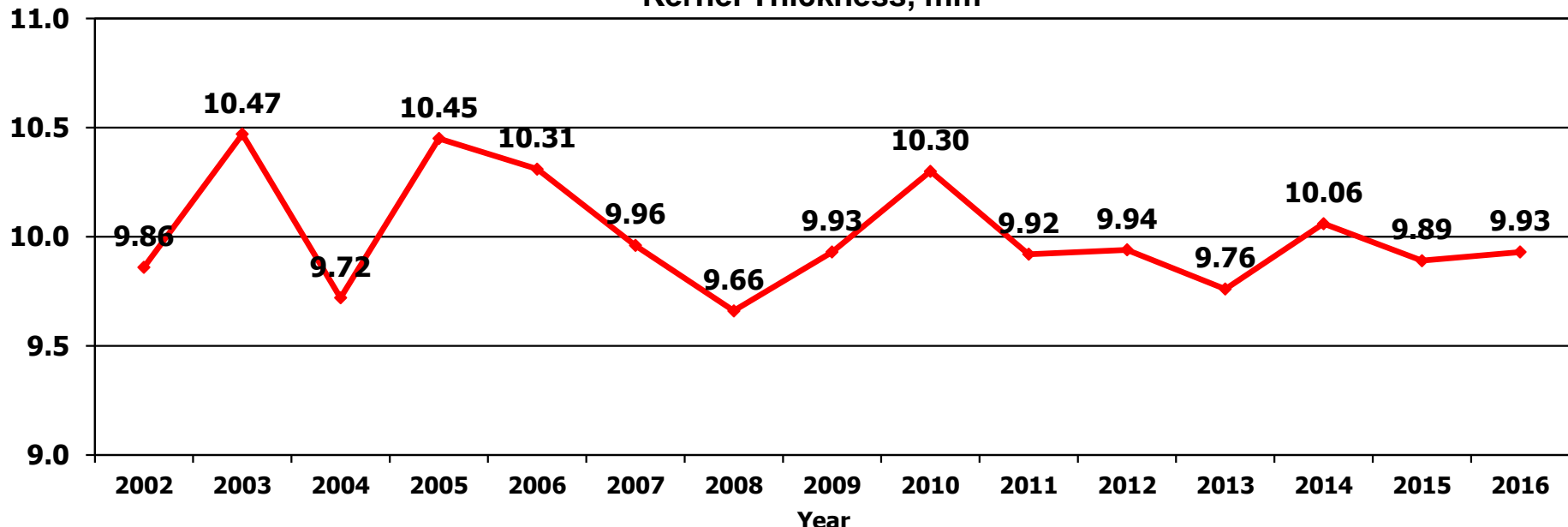
CALIFORNIA ALMONDS

Kernel Width, mm

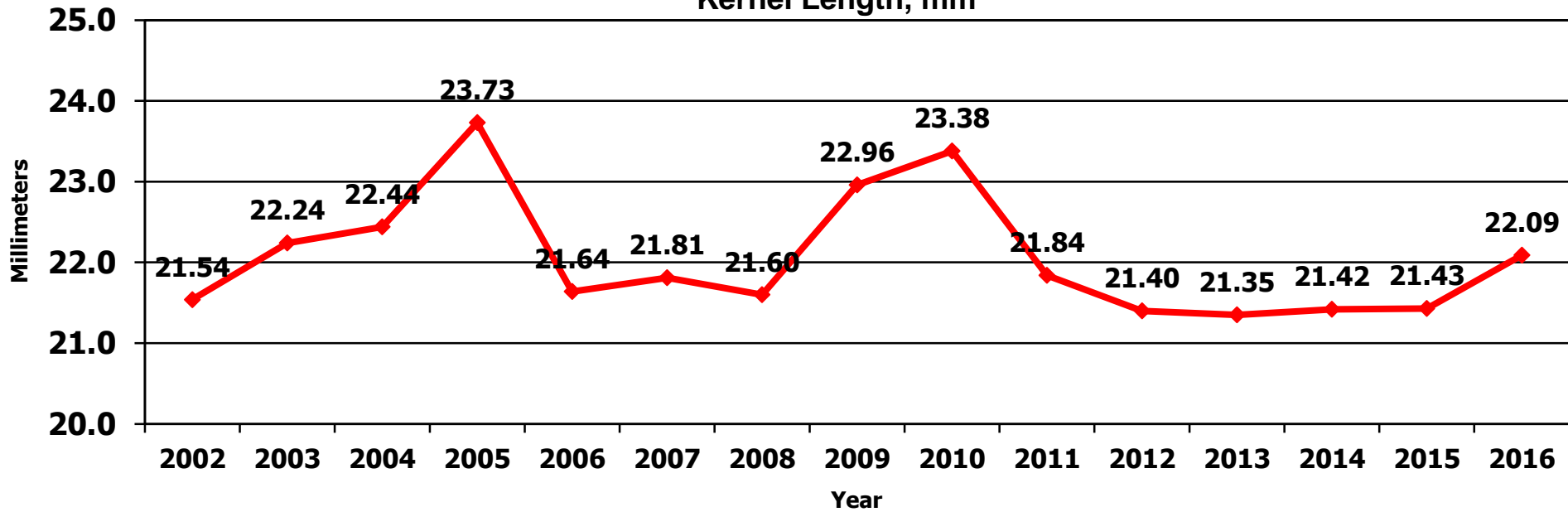


CALIFORNIA ALMONDS

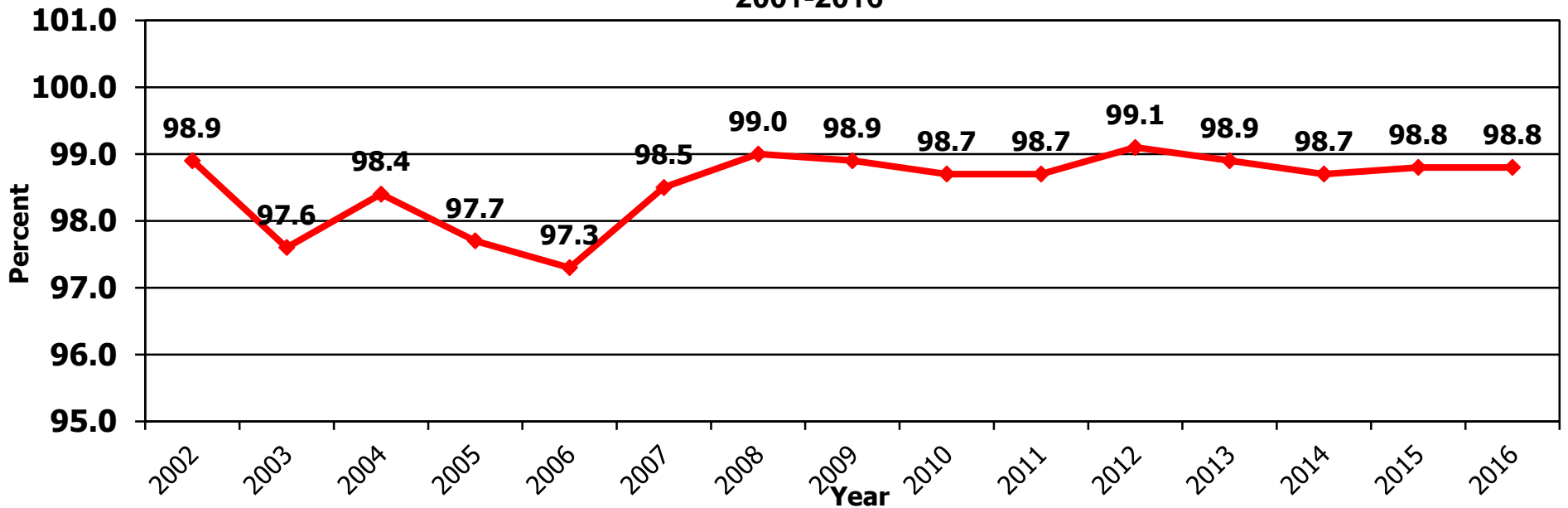
Kernel Thickness, mm



CALIFORNIA ALMONDS Kernel Length, mm



ALMONDS PERCENT SOUND NUTS 2001-2016



Forecast and all Statistics Available On-line

- PRO Web: www.nass.usda.gov/ca
- NASS Web: www.nass.usda.gov
- PRO Contact: (916) 498-5161

2016 OM Almond Forecast

2.05 Billion Meat Pounds

(+ 8 Percent)

Bearing Acres: 900,000

(Trees Planted 2013 and earlier)

Yield: 2,280 Pounds

(+ 7 Percent)

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