

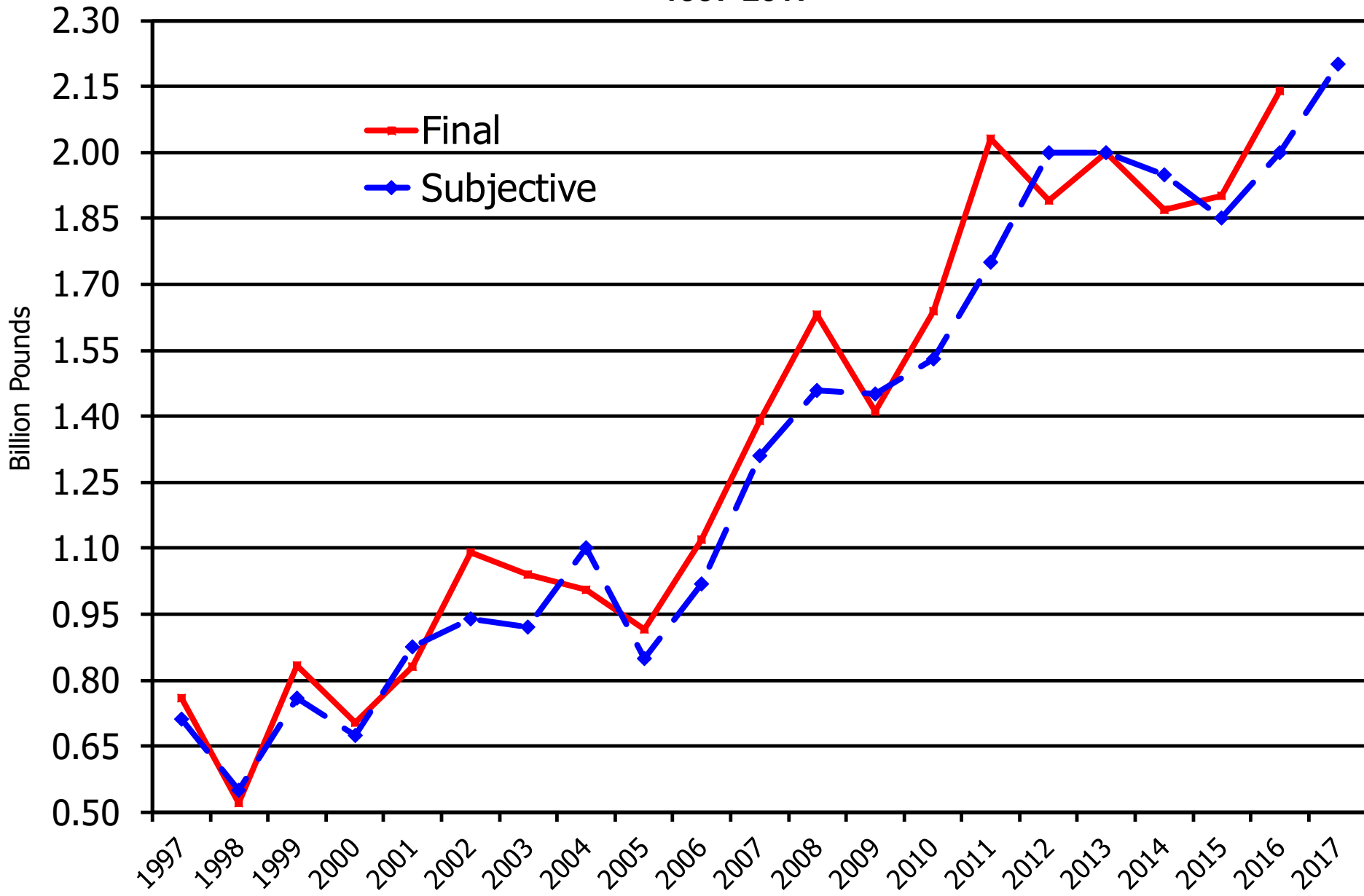
2017 Almond OM Forecast



Presented by Travis Averill, Deputy Director
USDA, NASS, Pacific Regional Office (PRO)
July 6, 2017

Almond Subjective Forecast vs. Final Production

1997-2017



Almond Objective Forecast

- **1,000,000 bearing acres in 2017**
- **Sample: 852 orchard blocks**
- **2 trees per orchard block**
- **Sample represents the population**
- **Field Work: May 26 – 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

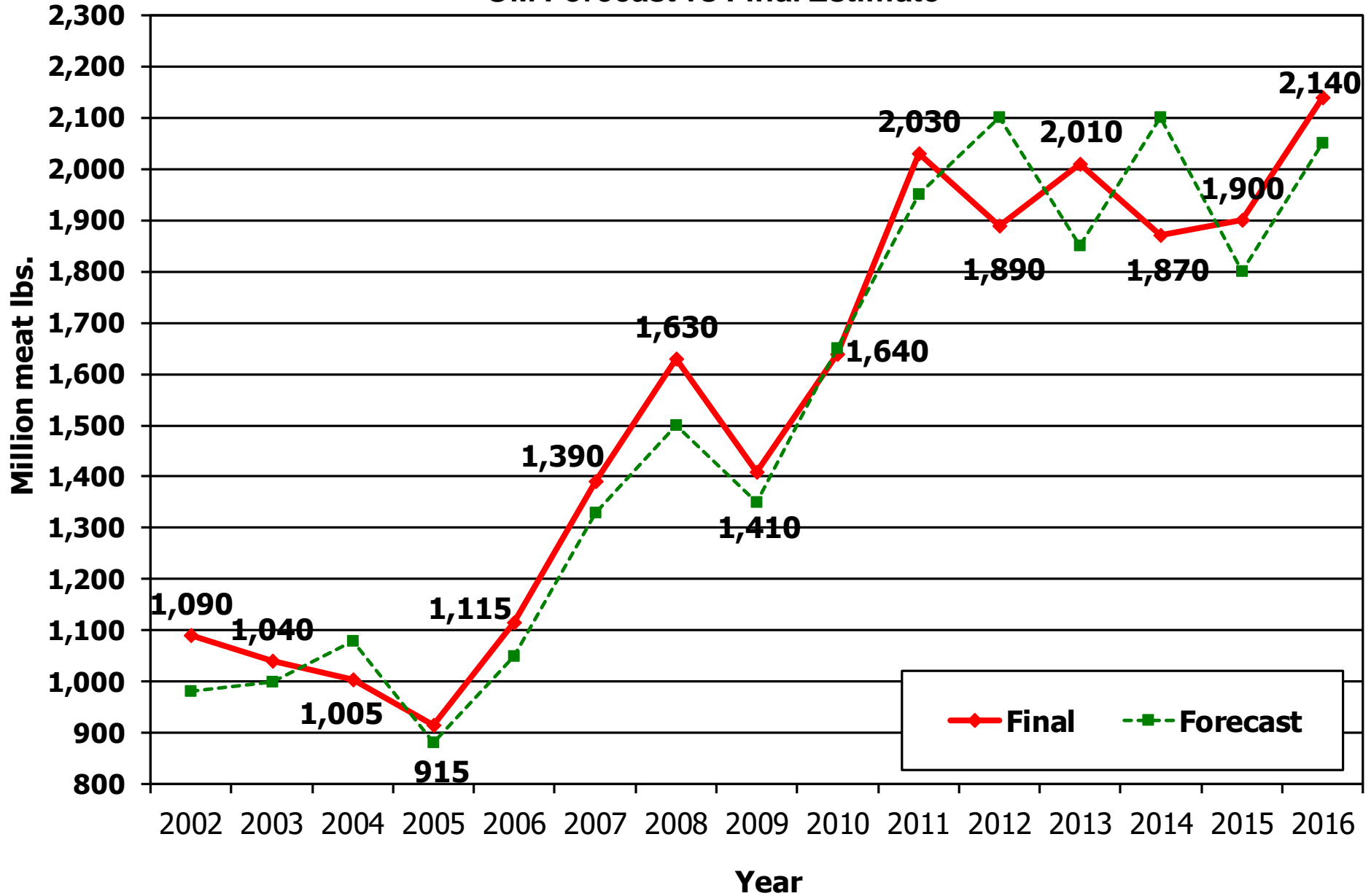


Sample & OM Models

- 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 a significant number of samples.

ALMOND PRODUCTION - CALIFORNIA

OM Forecast vs Final Estimate



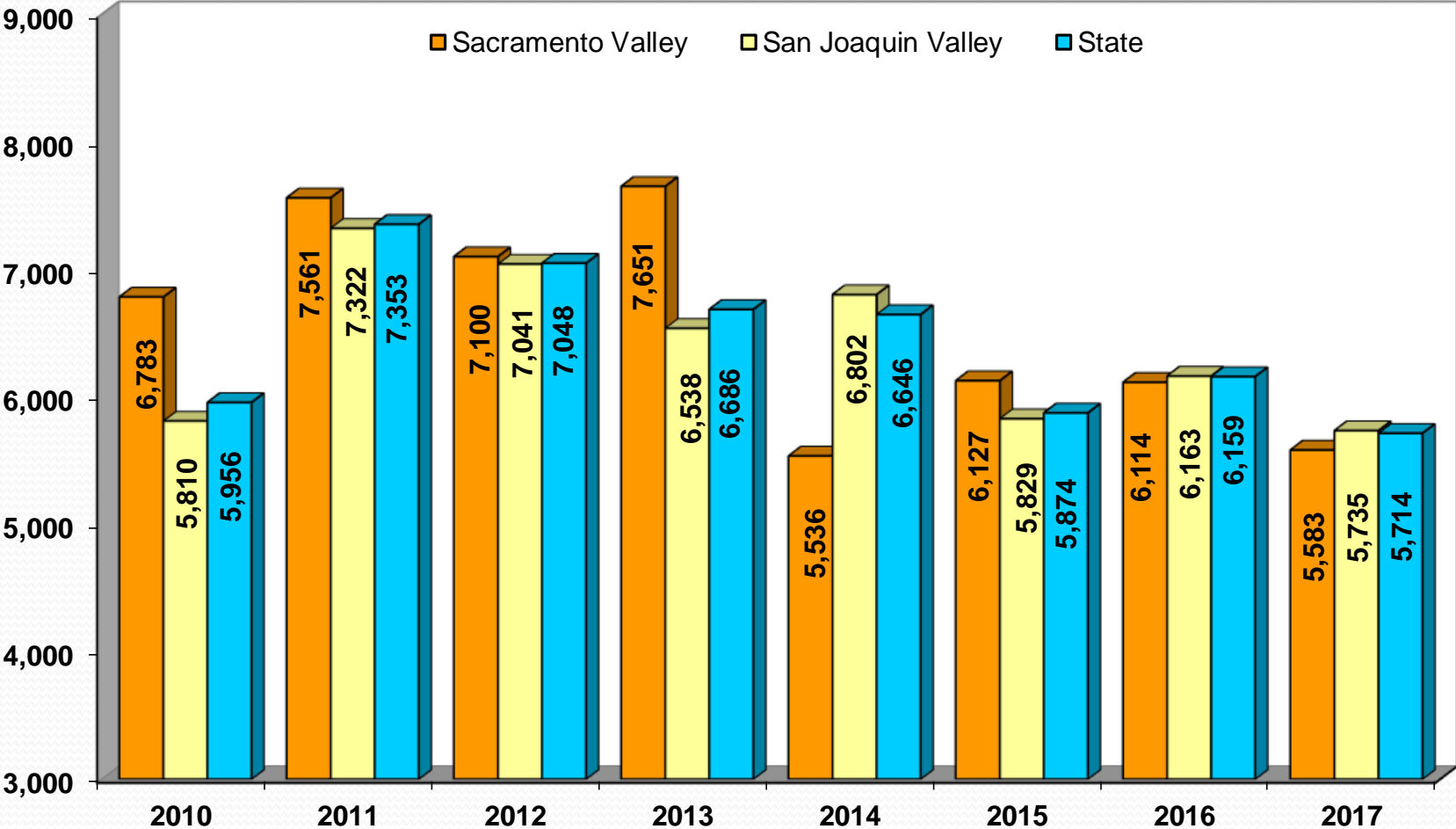
Almond Set 2015 – 2017

Average nuts per tree

| | 2015 | 2016 | 2017 | % Change |
|------------|-------|-------|-------|----------|
| California | 5,874 | 6,159 | 5,714 | -7.2% |

ALMONDS

Nuts per Tree, by District

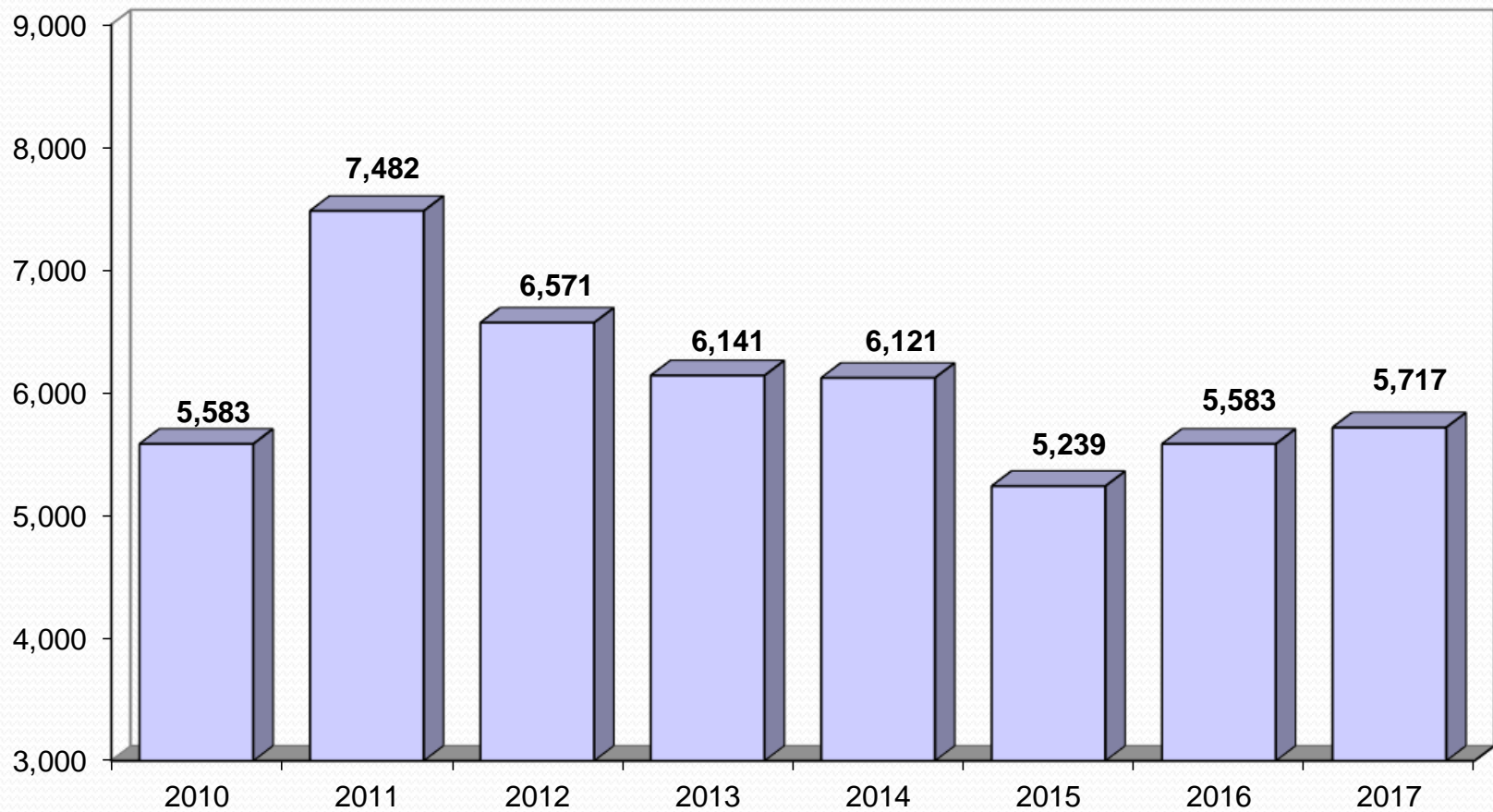


Almond Set per Tree by Variety, 2015-2017

| | 2015 | 2016 | 2017 | % Change |
|------------------|-------------|-------------|-------------|---------------------|
| Butte | 7,034 | 7,051 | 6,574 | -6.8 |
| California Types | 5,737 | 6,114 | 5,216 | -14.7 |
| Carmel | 5,714 | 5,849 | 5,456 | -6.7 |
| Monterey | 5,333 | 5,739 | 4,655 | -18.9 |
| Nonpareil | 5,239 | 5,583 | 5,717 | +2.4 |
| Padre | 9,037 | 7,788 | 7,168 | -8.0 |

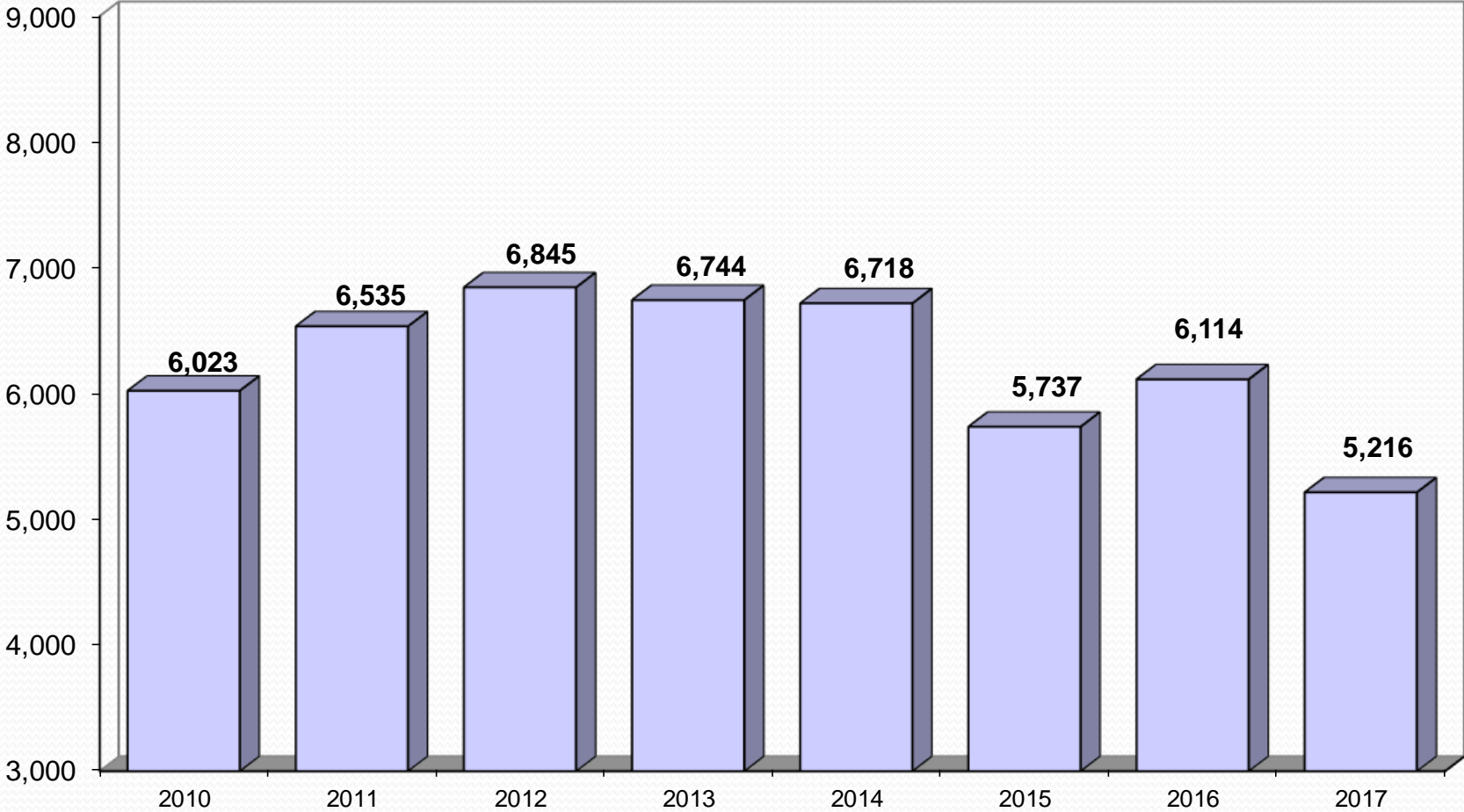
NONPAREIL TYPE

Nuts per Tree



CALIFORNIA TYPE

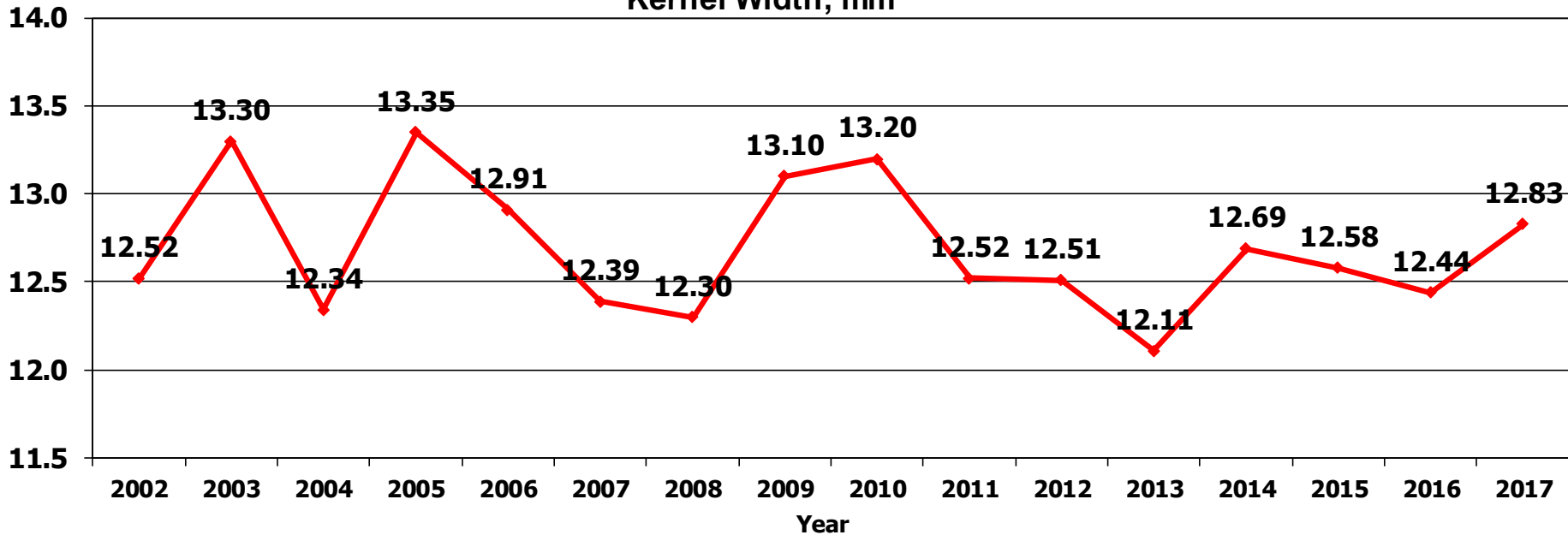
Nuts per Tree



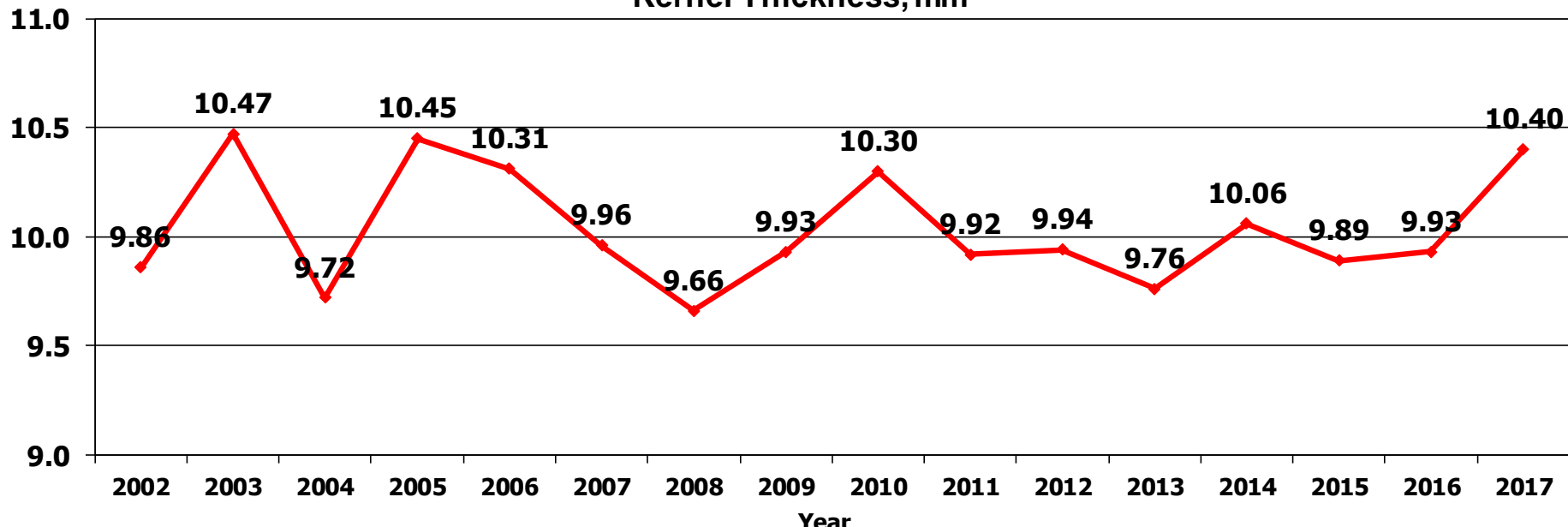
Average Nut Weight (grams) vs. Yield



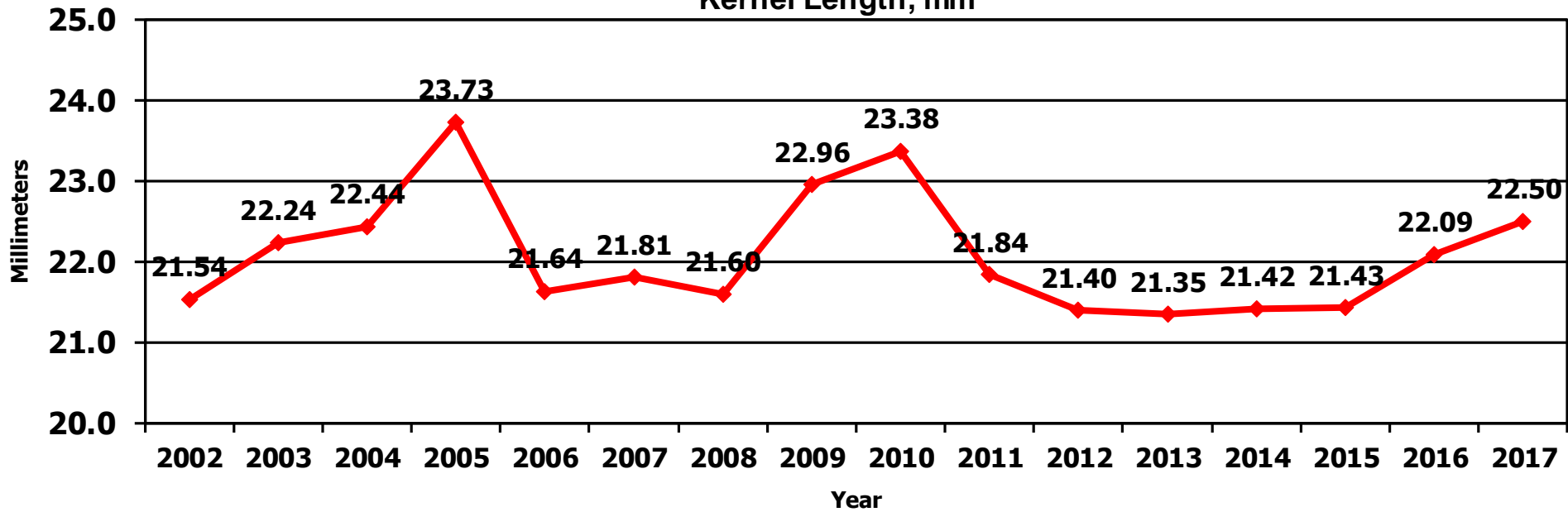
ALMONDS
Kernel Width, mm



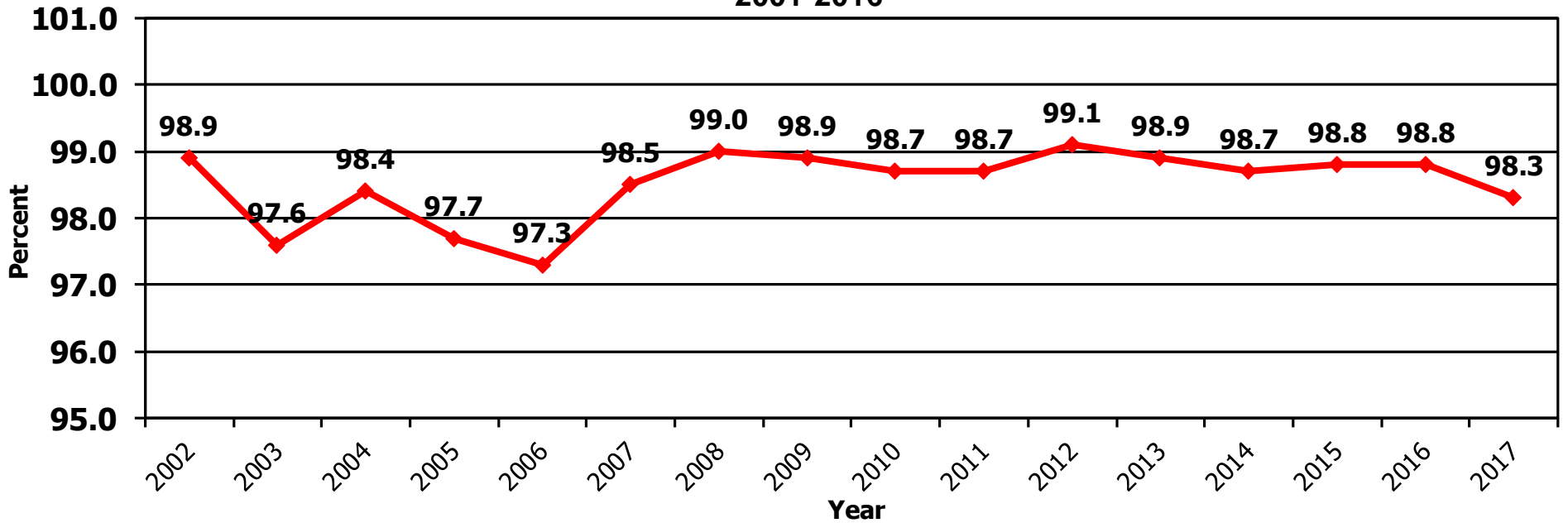
ALMONDS
Kernel Thickness, mm



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

2017 OM Almond Forecast

2.25 Billion Meat Pounds

(+ 5 Percent)

Bearing Acres: 1,000,000

(Trees Planted 2014 and earlier)

Yield: 2,250 Pounds

(- 1 Percent)

2017 Almond OM Forecast



Thank you to the producers who allowed us to conduct this survey in their orchards.