



United States Department of Agriculture
National Agricultural Statistics Service



2020 Almond Objective Measurement Survey Results

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July 7, 2020



2020 Almond OM Forecast



Survey Methodology

- Random selection of orchards based on location, variety and age
- Randomly select two trees in each selected orchard
- NEW-two count units per tree
- Random Path Method used to locate count units
- Sample of nuts taken and sent to sizing station
- Measured kernel weight, length, width, thickness and grade



2020 Almond OM Forecast



Data Collection

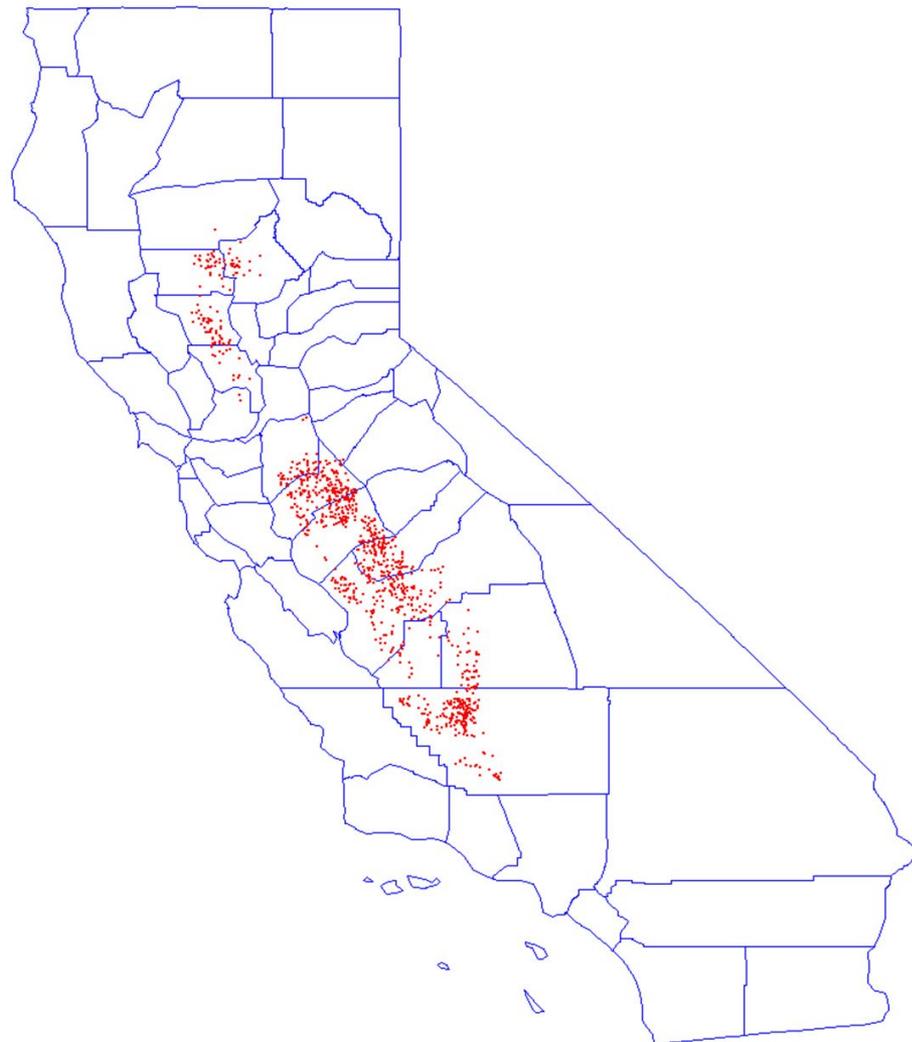
- Field Work: May 25 – June 26
- Use 50+ Enumerators
- Increased sample size to 1,005 orchards
 - Collected data from 900+ orchards

Thank you to the growers that let us work in their orchards.

Thank you to those that encouraged growers to participate.

2020 Almond OM Forecast

Distribution of
Samples



Forecast Models

- 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.

- **Highlights**

- **Production forecasted at 3.0 billion meat pounds**
- **Up 18% from the 2019 production**
- **1.26 million bearing acres, increase of 80,000 acres**
- **Yield calculates to 2,380 pounds/acre, up 10% from last year**



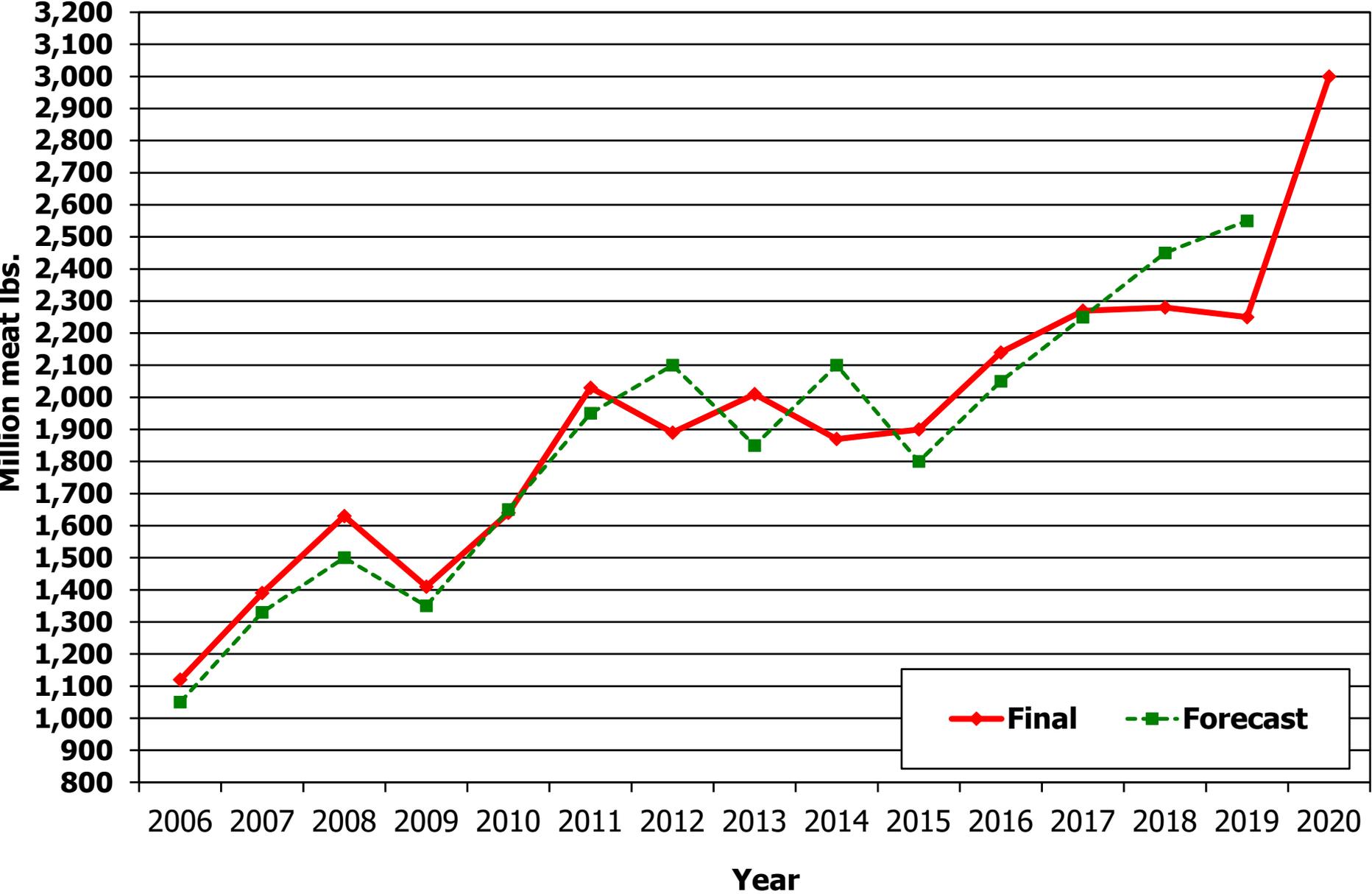
2020 Almond OM Forecast



- **Highlights – Nonpareil Variety**
 - **Production from Nonpareil variety is forecasted at 1.3 billion meat pounds**
 - **Up 24% from the 2019 production**
 - **43% of total production**

ALMOND PRODUCTION - CALIFORNIA

OM Forecast vs Final Estimate





2020 Almond Objective Measurement Survey Results

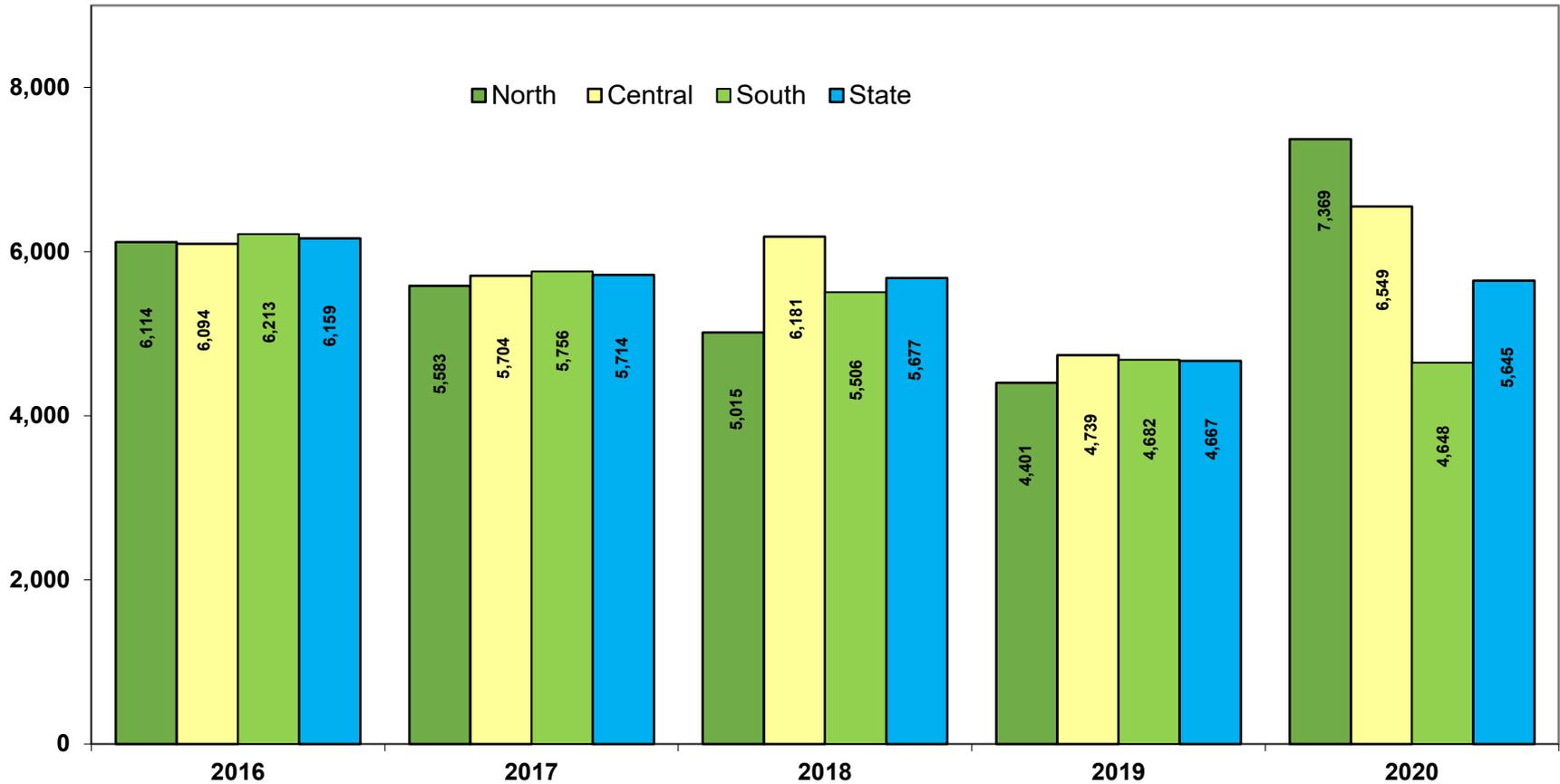


Almond Set 2018 – 2020 Average nuts per tree

	2018	2019	2020	% Change
California	5,667	4,667	5,645	21.0

2020 Almond Objective Measurement Survey Results

ALMONDS
Nuts per Tree, by Region



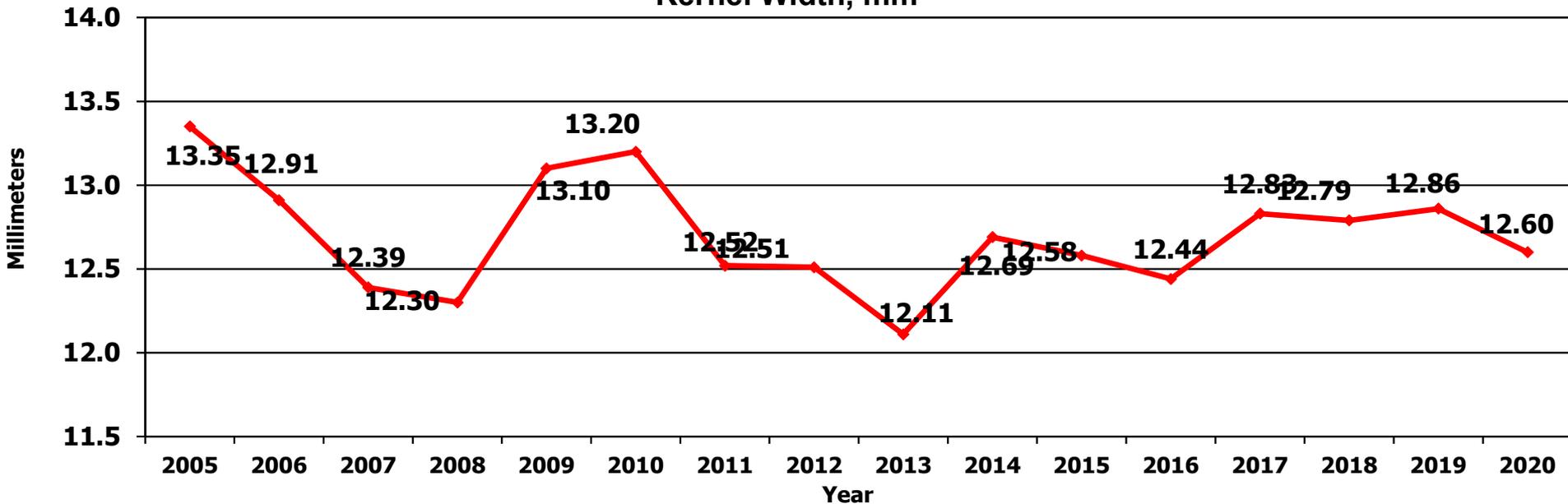


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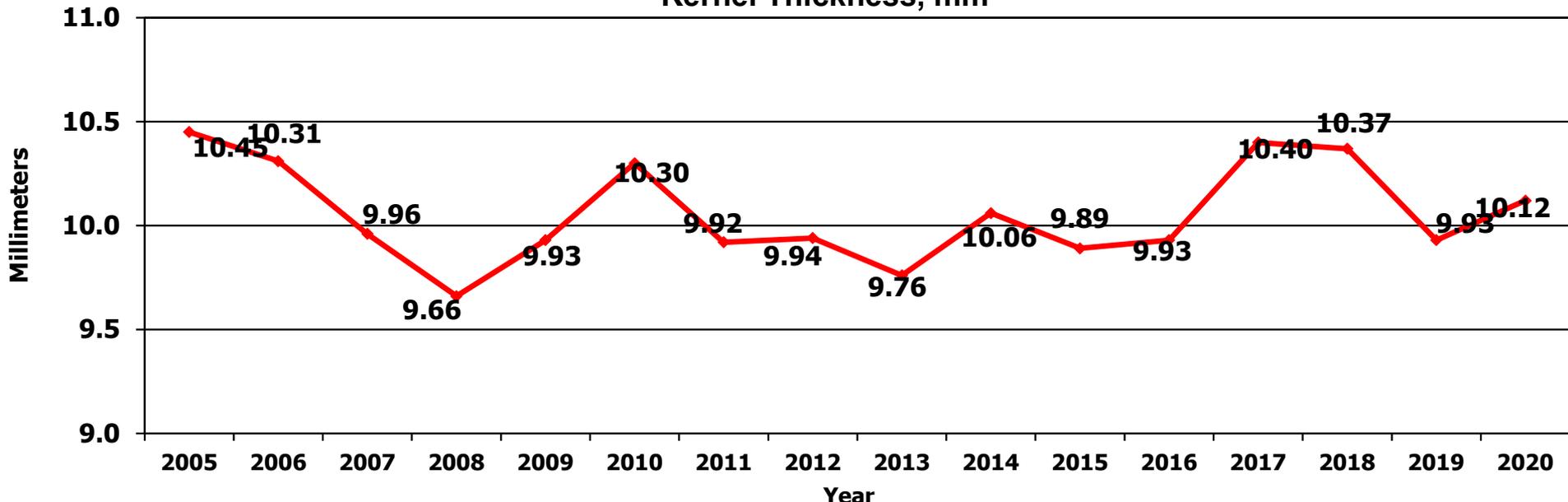
Almond Set per Tree by Variety, 2017 - 2019

	2018	2019	2020	% Change
Butte	5,989	5,261	5,923	12.6
Carmel	4,762	3,718	3,948	6.2
Independence	6,353	4,865	5,797	19.2
Monterey	5,362	4,426	4,719	6.6
Nonpareil	4,924	4,429	5,621	26.9
Padre	6,732	4,928	8,137	68.5

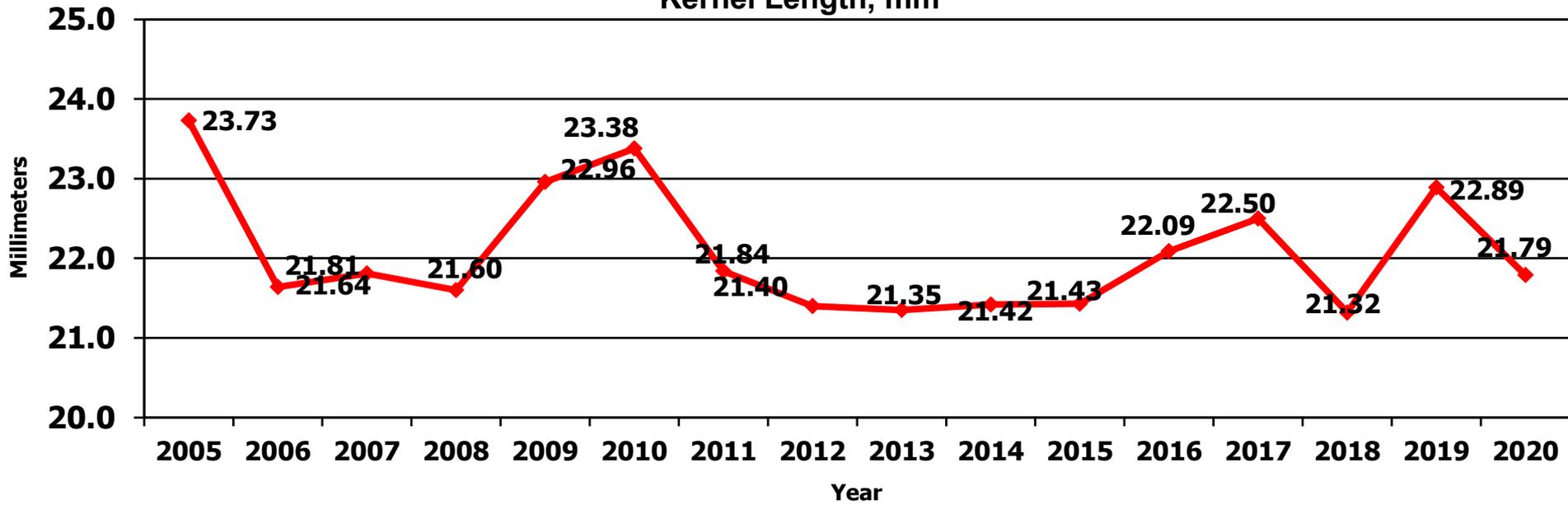
ALMONDS
Kernel Width, mm



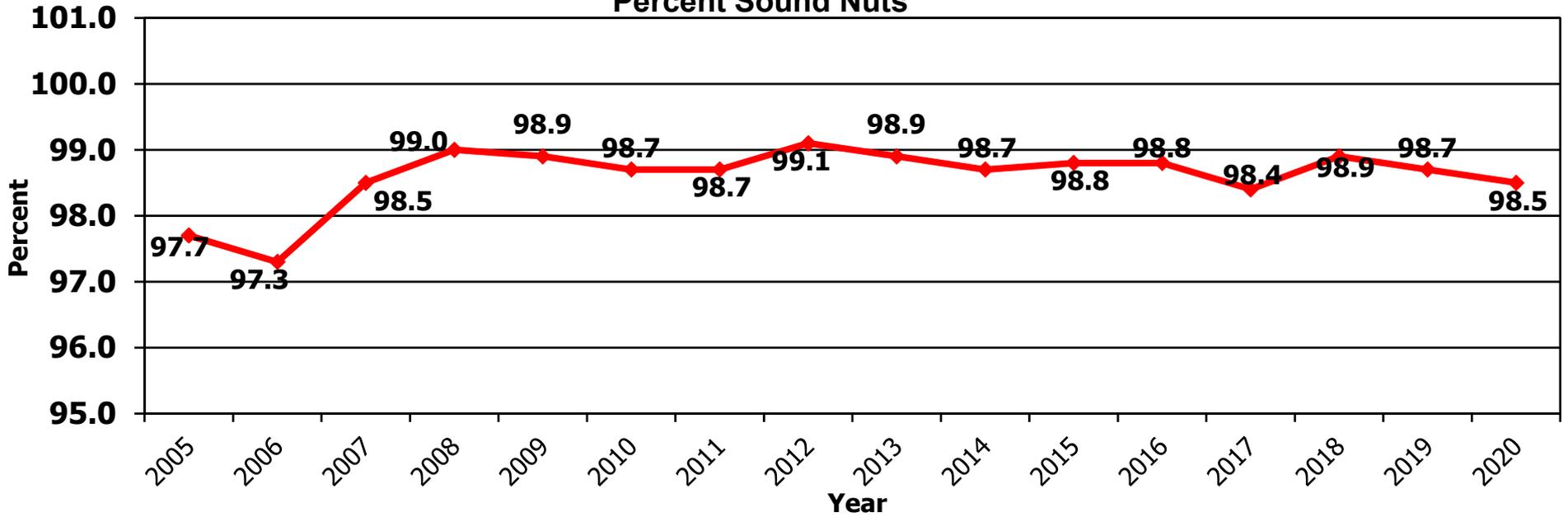
ALMONDS
Kernel Thickness, mm



ALMONDS Kernel Length, mm



ALMONDS Percent Sound Nuts





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Forecast and all Statistics Available On-line

- PRO Web: www.nass.usda.gov/ca
- NASS Web: www.nass.usda.gov
- PRO Contact: (916) 738-6600

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