# 2025 Almond Objective Measurement Survey Results

Dennis Koong, Director
USDA NASS
Pacific Regional Office
Northwest Regional Office
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Dennis.Koong@usda.gov

# 2025 Almond OM Forecast

## Survey Methodology

- Representative sample of orchards based on location, variety and age
- Randomly select two trees in each sampled orchard
- Follow Random Path Method to locate two count units per tree and estimate the average set.
- Sample of nuts taken and sent to sizing station
- Measure kernel weight, length, width, thickness and grade

# 2025 Almond OM Forecast

## Forecast Models

- Models are designed to produce a forecast of total almond production at the state level from the sample data.
- Separate models are run for Nonpareil since there are a sufficient number of samples.
- There are not enough samples for models to forecast production of any other varieties.

# 2025 Almond OM Forecast

## Forecast Models

- Models use:
  - Official estimates of bearing acres and trees per acre
  - OM measurements of:
    - nuts per tree
    - percent sound
    - weight
    - width
    - thickness
    - length
- Model output is regressed against final production using previous 15 years.

# 2025 Almond OM Forecast

## Data Collection

- Field Work: May 24 – June 28
- Use 50+ Enumerators across all growing areas.
- Sample size was 1,059 orchards
  - Collected data from 1,892 trees in 946 orchards

*Thank you to the growers for allowing us access to your orchards.*

*Thank you to those that encouraged growers to participate.*

# 2025 Almond OM Forecast

## Number of Samples by Variety within Counties

| | Butte | Independence | Monterey | Nonpareil | Padre | Other[1] | Total |
|---|---|---|---|---|---|---|---|
| Butte | 0 | 1 | 1 | 11 | 0 | 0 | 13 |
| Colusa | 3 | 0 | 5 | 23 | 1 | 7 | 39 |
| Fresno | 8 | 31 | 43 | 64 | 11 | 29 | 186 |
| Glenn | 0 | 0 | 0 | 22 | 0 | 0 | 22 |
| Kern | 15 | 9 | 50 | 66 | 9 | 28 | 177 |
| Kings | 0 | 3 | 5 | 4 | 0 | 0 | 12 |
| Madera | 4 | 9 | 32 | 42 | 5 | 19 | 111 |
| Merced | 10 | 18 | 26 | 41 | 11 | 26 | 132 |
| San Joaquin | 1 | 11 | 0 | 24 | 0 | 6 | 42 |
| Solano | 0 | 2 | 0 | 1 | 0 | 0 | 3 |
| Stanislaus | 8 | 27 | 20 | 50 | 6 | 47 | 158 |
| Sutter | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Tehama | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Tulare | 0 | 6 | 12 | 18 | 0 | 0 | 36 |
| Yolo | 0 | 1 | 2 | 8 | 0 | 1 | 12 |
| Total | 49 | 119 | 196 | 376 | 43 | 163 | 946 |

[1] Other includes Aldrich, Bennett, Carmel, Fritz, Mission, Price Cluster, Shasta, Sonora, Supareil, Winters, and Wood Colony.

# Crop Conditions

- Bloom began early February in the Sacramento Valley and peaked around the middle of the month.
- Variable weather during bloom with some rain, wind and hail.  Warmer weather through the end of bloom.
- Mild temperatures in spring and so far this summer.
- Orchards continue to be pulled.

# 2025 Almond OM Forecast

And the 2025 Production forecast is……

# 2025 Almond OM Forecast

## 3.00 billion meat pounds

- **Up 10% from the 2024 production of 2.73 billion meat pounds**
- **Up 7% from the May 2025 Subjective forecast of 2.80 billion meat pounds**

# 2025 Almond OM Forecast

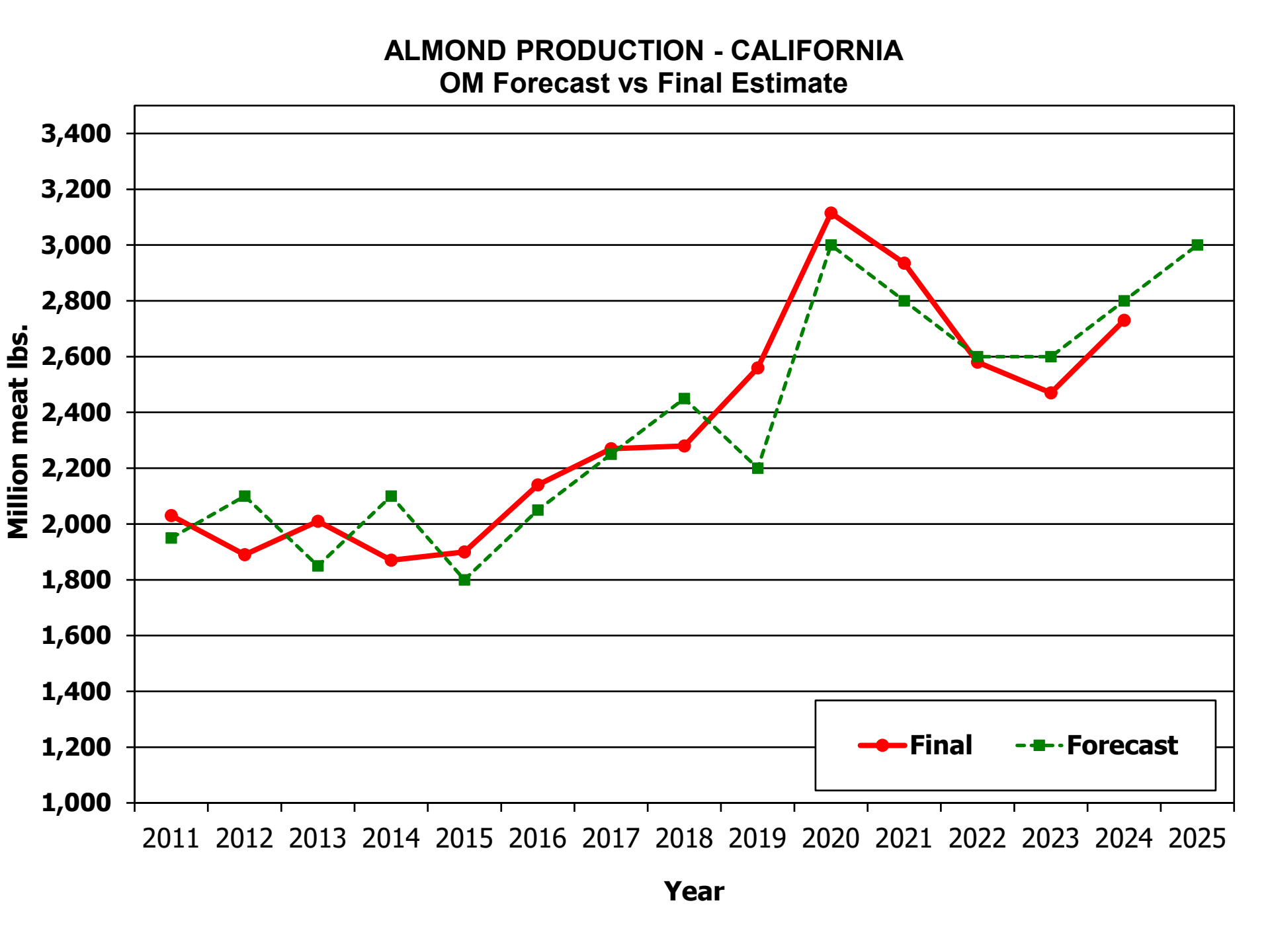
## Highlights

- **Record high 1.39 million bearing acres, an increase of 10,000 acres from 2024.**
- **Yield calculates to 2,160 pounds/acre, up 9% from last year's 1,980 pounds/acre**
- **The 80% confidence interval is 2.61 to 3.39 billion meat pounds.**

# 2025 Almond OM Forecast

## Nonpareil Variety

- **Production from Nonpareil variety is forecasted at 1.20 billion meat pounds**
- **Up 9% from the 2024 production**
- **Accounts for 40% of total production**


ALMOND PRODUCTION - CALIFORNIA
OM Forecast vs Final Estimate
Million meat lbs.
3,400
3,200
3,000
2,800
2,600
2,400
2,200
2,000
1,800
1,600
1,400
1,200
1,000
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Year
Final
Forecast

# 2025 Almond Objective Measurement Survey Results

## Almond Set 2023 – 2025
### Average nuts per tree

| | 2023 | 2024 | 2025 | % Change |
|---|---|---|---|---|
| | | | | |
| California | 3,953 | 4,072 | 4,364 | 7.2 |

# 2025 Almond Objective Measurement Survey Results

**Thank you to the producers who allowed us to collect data for this survey in their orchards.**

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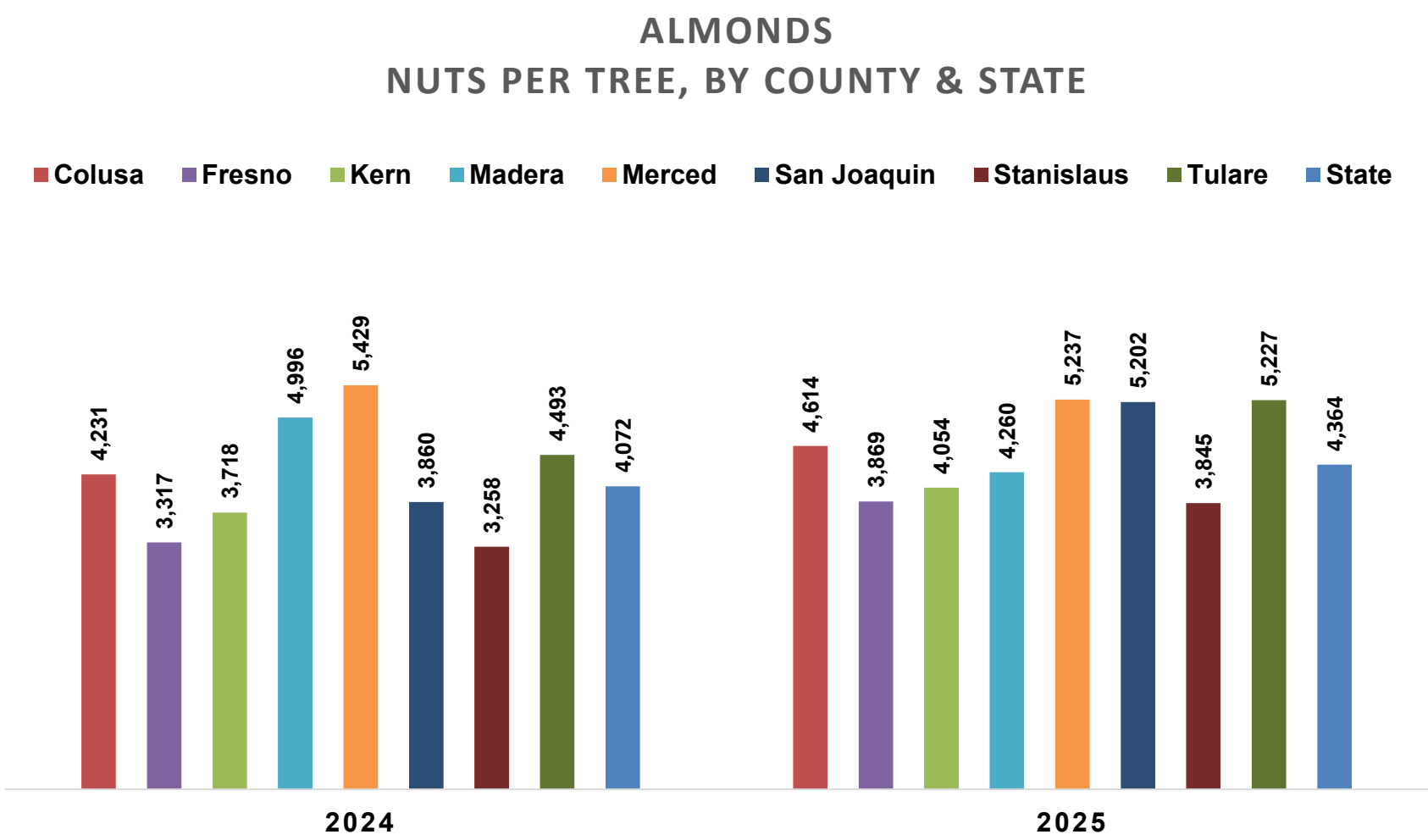
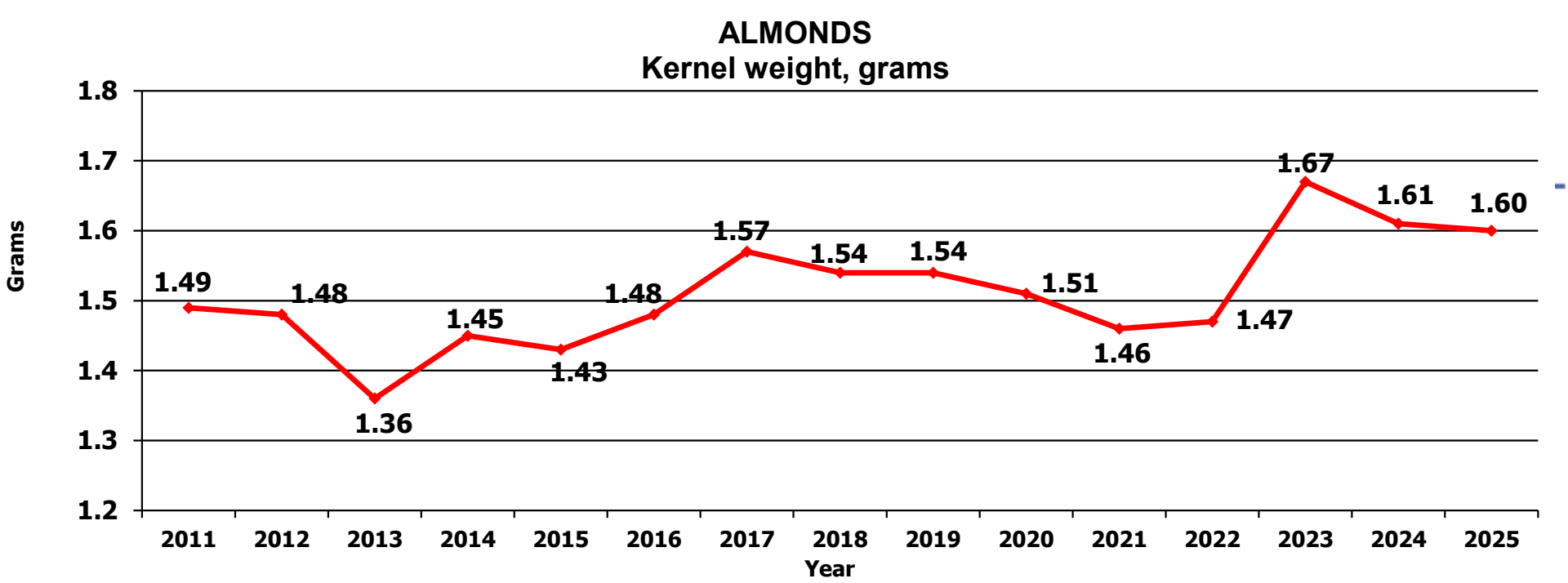
# 2025 Almond Objective Measurement Survey Results



# 2025 Almond Objective Measurement Survey Results

## Almond Set per Tree by Variety, 2023 - 2025

| | 2023 | 2024 | 2025 | % Change |
|---|---|---|---|---|
| Butte | 4,043 | 3,316 | 4,820 | 45.4 |
| Independence | 4,048 | 3,448 | 4,129 | 19.8 |
| Monterey | 3,598 | 4,257 | 4,156 | -2.4 |
| Nonpareil | 4,004 | 4,137 | 4,526 | 9.4 |
| Padre | 4,055 | 3,953 | 4,470 | 13.1 |

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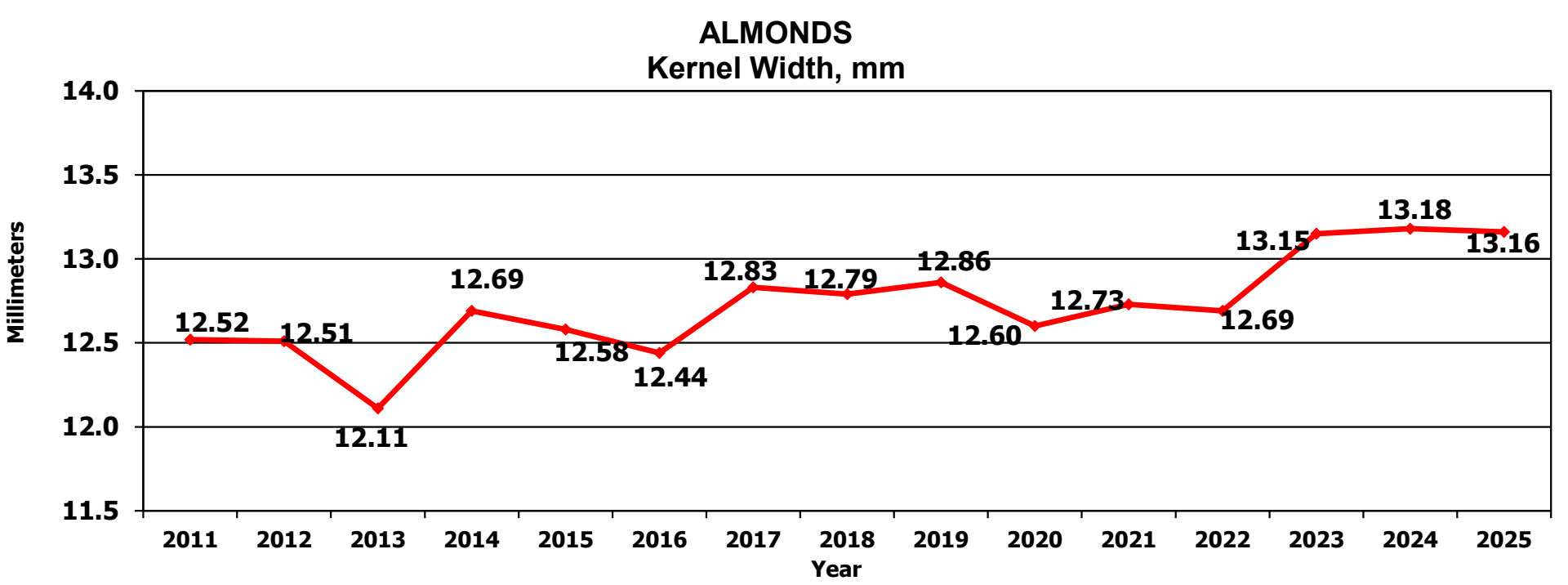
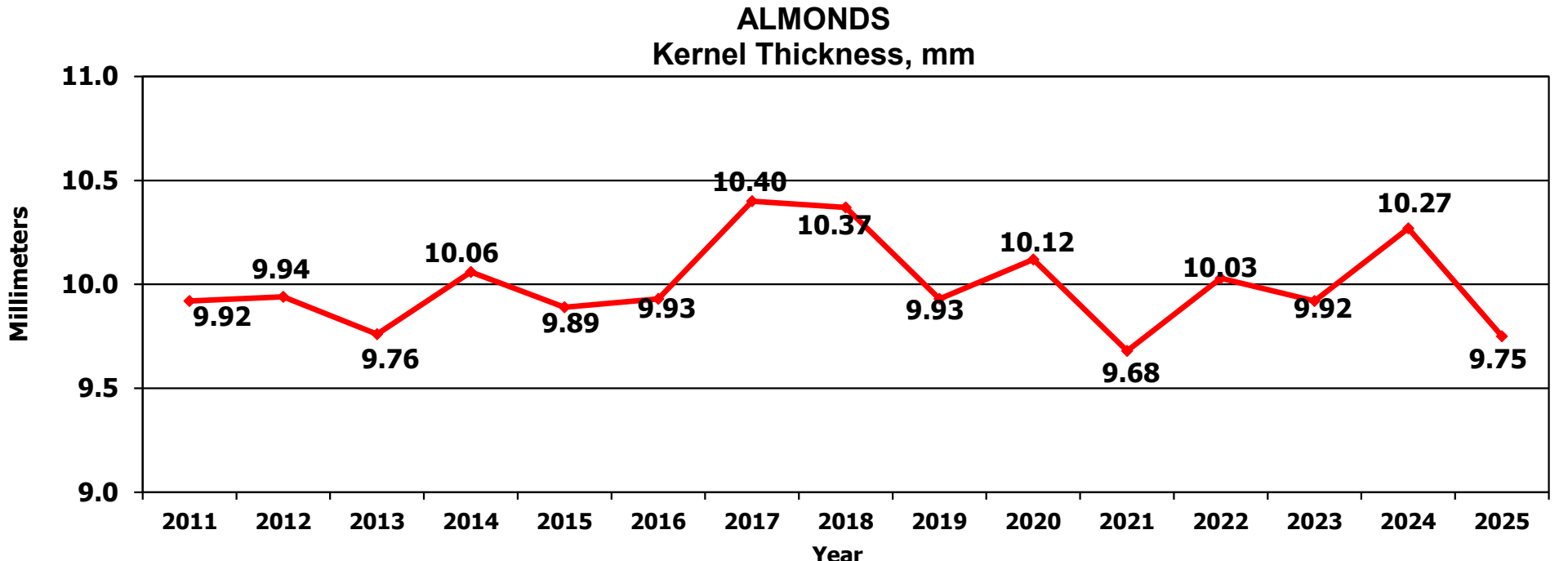
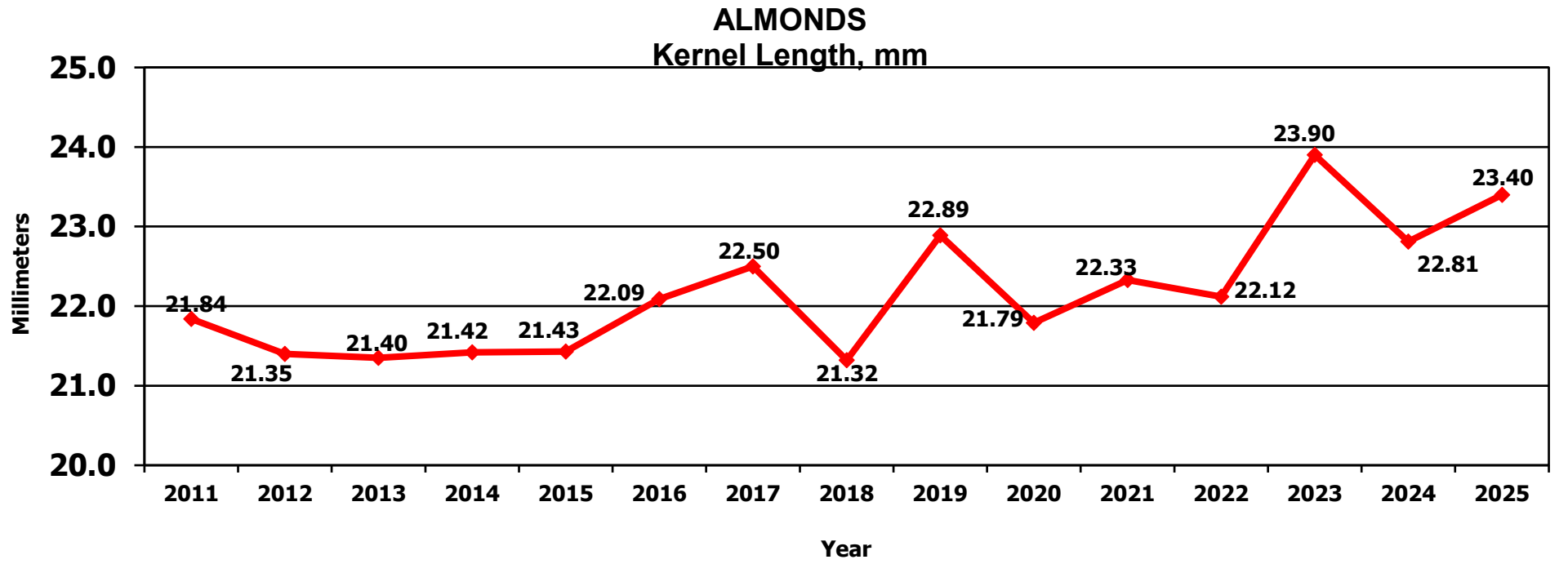
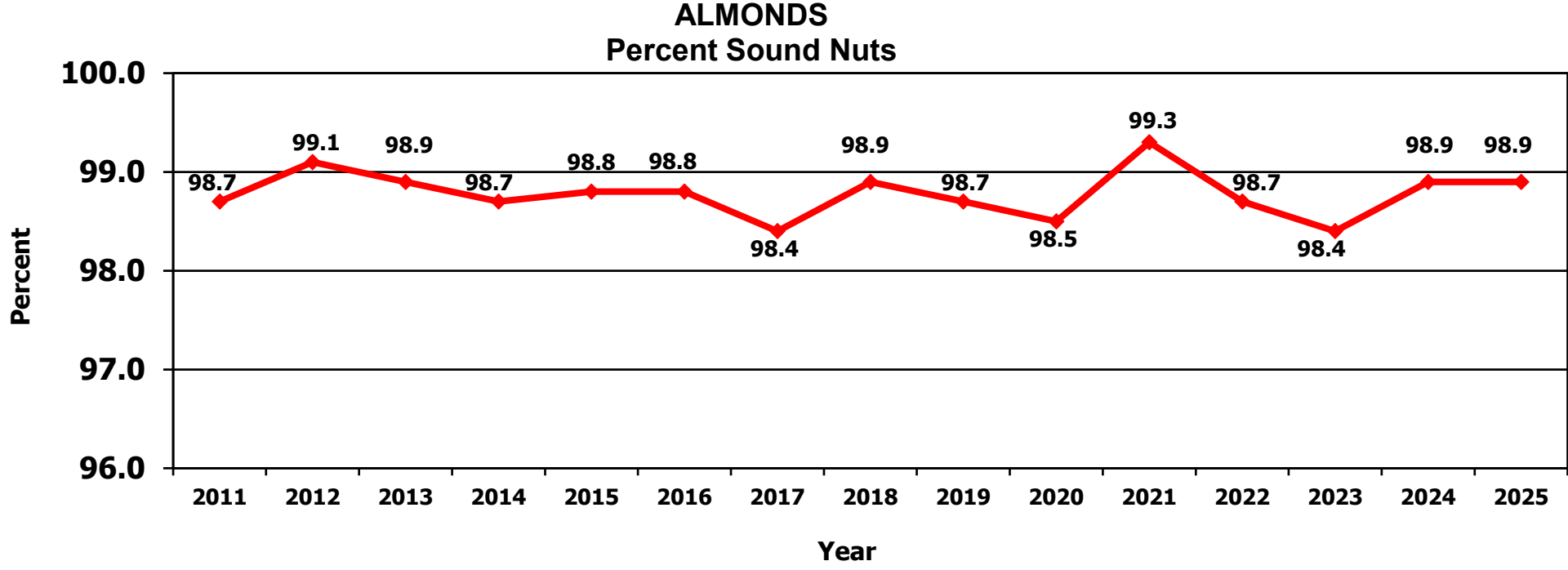
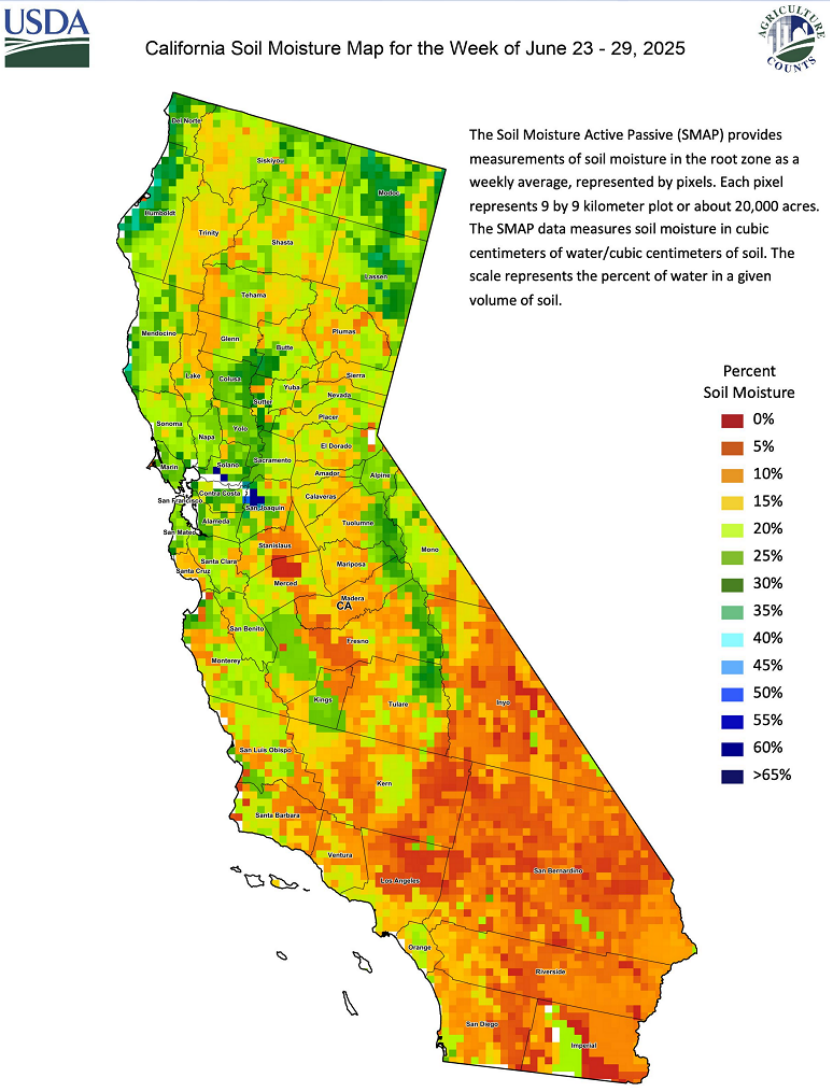

ALMONDS
Kernel Width, mm
Millimeters
14.0
13.5
13.0
12.5
12.0
11.5
12.52
12.51
12.11
12.69
12.58
12.44
12.83
12.79
12.86
12.60
12.73
12.69
13.15
13.18
13.16
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Year


ALMONDS
Kernel Thickness, mm
Millimeters
11.0
10.5
10.0
9.5
9.0
9.92
9.94
9.76
10.06
9.89
9.93
10.40
10.37
9.93
10.12
9.68
10.03
9.92
10.27
9.75
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Year


ALMONDS
Kernel Length, mm
Millimeters
25.0
24.0
23.0
22.0
21.0
20.0
21.84
21.35
21.40
21.42
21.43
22.09
22.50
21.32
22.89
21.79
22.33
22.12
23.90
22.81
23.40
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Year


ALMONDS
Percent Sound Nuts
Percent
100.0
99.0
98.0
97.0
96.0
98.7
99.1
98.9
98.7
98.8
98.8
98.4
98.9
98.7
98.5
99.3
98.7
98.4
98.9
98.9
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
Year

# Topsoil Moisture Map

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**National Agricultural Statistics Service**

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## Forecasts and all Statistics Available On-line

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

nassrfopcr@nass.usda.gov