



## WORKSHOP ON

# “BUILDING RESILIENT NUT CROP AND GRAPEVINE SYSTEMS FOR EXTREME AND VARIABLE WEATHER CONDITIONS IN THE SAN JOAQUIN VALLEY”

**Date:** Friday, June 12<sup>th</sup>, 2026 (8:30 am – 2:00 pm)

**Location:** Kearney Agricultural Research and Extension Center – Nectarine Room  
9240 S Riverbend Ave, Parlier, CA 93648

**With:** UC Davis, UC Merced, UCCE Fresno County, UC ANR Kearney Ag Center

**Registration \$20:** includes coffee break, lunch meal, workshop materials, and access to workshop presentations.

[Online Registration Link](#)

**CEU Credits available**

## WORKSHOP AGENDA

8:00 – 8:30 am: On-site Registration

**Session 1 – Issues and Challenges in Nut Crop and Grapevine Production under Extreme and Variable Weather:** *Moderator: M. Cahn*

8:30 – 8:50 am: Extreme Weather Trends and Potential Impacts on Nut Crop and Grapevine and Production in the San Joaquin Valley (T. Pathak, UC Merced)

8:50 – 9:10 am: Weather Effects on Pest Pressure for Nut Crops and Grapevine (I. Mokwunye, UC ANR Kearney Ag Center)

9:10 – 10:20 am: Industry Panel Discussion on Nut Crop and Grapevine Production Challenges Resulting from Extreme and Increasingly Variable Weather Conditions (Rep. from the Almond Industry T.B.C.; J. Coelho; K. Lehman; J. Nichols)

**10:20 – 10:40 am COFFEE BREAK**

## **Session 2 – Tools and Resources for Weather-Adaptive Crop Production: Moderator: A. Safre**

- 10:40 – 11:00 am: Financial Incentives for Resource Efficiency and Climate Risk Mitigation and Eligible Practices (S. Weeks, CDFA - OEFI)
- 11:00 – 11:20 am: CalAgroClimate Decision Support Tools for Managing Risks in Agriculture (T. Pathak, UC Merced)
- 11:20 – 11:40 am: Sustainable Conservation Recharge Methods Manual and GRAT as a Tool for Planning Groundwater Recharge (R. Rogers, Sustainable Conservation)

## **Session 3 – Case Studies on Regional Practices: Moderator: A. Ayoub**

- 11:40 – 12:10 pm Appraising Inaccuracy and Errors of Almond, Pistachio, and Grapevine ET Estimated with Satellite Remote Sensing Models against Ground-based ET Measurements (D. Zaccaria, UC Davis)
- 12:10 – 12:40 pm CropManage Online Decision Support Tool for Irrigation Scheduling and Nutrient Management of Nut Crops and Vineyards (M. Cahn, UCCE Monterey County)
- 12:40 – 1:00 pm: Preliminary Findings from the Whole Orchard Recycling on Carbon Sequestration, and Soil Fertility in the Central Valley of California (M. Culumber, UC ANR Fresno County)
- 1:00 – 1:15 pm QUESTIONS & ANSWERS and WORKSHOP EVALUATIONS**
- 1:10 – 2:00 pm WORKSHOP ADJOURN & LUNCH**

### **For questions, please contact:**

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Tapan Pathak – University of California, Merced: [tpathak@ucmerced.edu](mailto:tpathak@ucmerced.edu)

Daniele Zaccaria – University of California, Davis: [dzaccaria@ucdavis.edu](mailto:dzaccaria@ucdavis.edu)

**Event Description:** Join, UCCE Specialists Daniele Zaccaria, Tapan Pathak, Khaled Bali, and Anderson Safre, UCCE Advisors Catherine Mae Culumber, I. Mokwunye, Ahmed Ayoub, and Michael Cahn, and other scientists and experts in this in-person Workshop on “Building Resilient Nut Crop and Grapevine Systems for Extreme and Variable Weather Conditions in the San Joaquin Valley” on June 12<sup>th</sup>, 2026 at the UC ANR Kearney Agricultural Research and Extension Center in Parlier, CA to learn about the latest research and advances in Weather-Adaptive Production Practices for Nut Crops and Grapevine.

Topics include: Extreme Weather Trends and Impacts, Weather-related Challenges for Nut Crop and Grapevine Production, Inaccuracy and Errors of Satellite-derived ET Estimates for Nut Crops and Grapevine, Groundwater Recharge Practices in Orchards. A set of information and tools available to manage weather-related risks will also be presented during the Workshop.

Registration fee is \$20 per person and includes participation in the thematic sessions, coffee break, lunch box meal, workshop materials, and access to the workshop presentations.

**Who should attend:** Nut crop and grapevine growers, orchard and vineyard managers, representatives from the nut crops and grapevine production industry, technical assistance providers, consultants and practitioners, CCAs, CPAs, natural resource managers, personnel from water conservation districts, irrigation districts’ managers, extension specialists and advisors, professional researchers, University students, and representatives from public agencies.

Workshop on “Building Resilient Nut Crop and Grapevine Systems for Extreme and Variable Weather Conditions in the San Joaquin Valley”. June 12<sup>th</sup>, 2026 – UC Kearney Agricultural Research and Extension Center, 9240 S Riverbend Ave, Parlier, CA