



## CLIMATE-SMART PRACTICES FOR FRUIT & NUT PRODUCTION WORKSHOP

**Date:** Wednesday, November 29<sup>th</sup>, 2023

**Location:** International Agri-Center  
4500 South Laspina Street - Tulare, CA 93274

**With:** UC Davis, UC Merced, Land IQ, UC ANR

**Registration:** \$30

(Includes participation fee, coffee breaks, lunch meal, workshop materials,  
and access to workshop presentations)

**Online Registration Link:**

<https://na.eventscloud.com/climatesmart2023>

**CEU Credits available**

### WORKSHOP AGENDA

- 8:30 – 9:00 am: On-site Registration
- 9:00 – 9:15 am: Welcome to participants. Overview on the Climate-Smart Projects (D. Zaccaria, UC Davis and T. Pathak, UC Merced)
- 9:15 – 9:30 am: Financial Incentives for Resource Efficiency, Conservation, and Climate Risk Mitigation (S. Weeks, CDFA-OEFI)

**Session 1 – Issues and Challenges in Fruit and Nut Production under Changing Climate:** *Moderator: D. Zaccaria*

- 9:30 – 10:00 am: Climate Change Trends and Potential Impacts on Agricultural Production (T. Pathak, UC Merced)

10:00 – 10:30 am: Major Challenges for Fruit and Nut Production (C. M. Culumber, UCCE Fresno County)

10:30 – 11:00 am: Effect of Climate Change and Variability on agricultural pests and potential risk management (Dr. Jhalendra Rijal, UCCE and Statewide IPM Program)

**11:00 – 11:15 am COFFEE BREAK**

**Session 2 – Tools and Resources for Climate-Smart Agriculture:** Moderator: T. Pathak

11:15 – 12:00 pm: The CDFA Climate-Smart Web Repository (S. Tillman, Land IQ)

12:00 – 12:30 pm: Climate Change, Changing Electricity Grid, and their Impact on California's Irrigated Agriculture (A. Aghajanzadeh, Klimate Consulting).

**12:30 – 1:15 pm LUNCH BREAK**

1:15 – 1:45 pm: CalAgroClimate Decision Support Tools for Managing Risks in Agriculture (T. Pathak, UC Merced)

**Session 3 – Case Studies on Regional Adaptation Practices:** Moderator: C. M. Culumber

1:45 – 2:15 pm: Water-related effects of Winter Cover Cropping in Nut Orchards (D. Zaccaria, UC Davis).

2:15 – 2:45 pm: Physiological effects of Winter Cover Cropping in Grapevine (R. Yu, CSU - Fresno)

**2:45 – 3:00 pm: COFFEE BREAK**

3:00 – 3:30 pm: Mitigation of Heat and Drought Risks in Grape Production (K. Kurtural, Kurtural Consulting)

3:30 – 4:00 pm: Use of weather information for addressing frost, heat, and spray drift risks (M. Battany, UCCE San Luis Obispo and Santa Barbara Counties)

4:00 – 4:30 pm: Whole orchard recycling can sequester carbon, reduce nitrogen leaching, and improve soil fertility while reducing air pollution (B. Holtz UCCE San Joaquin County)

4:30 – 5:00 pm: QUESTIONS & ANSWERS and WORKSHOP EVALUATIONS

**5:00 pm WORKSHOP ADJOURN**

**For questions, please contact:**

Maria Alvarez and PJ Kelly - UC ANR Program Support Unit.

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**List of speakers/presenters and email contacts:**

1. Daniele Zaccaria – University of California, Davis: [dzaccaria@ucdavis.edu](mailto:dzaccaria@ucdavis.edu)
2. Tapan Pathak – University of California, Merced: [tpathak@ucmerced.edu](mailto:tpathak@ucmerced.edu)
3. Scott Weeks - CDFA Office of Environment and Farming Innovation: [Scott.Weeks@cdfa.ca.gov](mailto:Scott.Weeks@cdfa.ca.gov)
4. Catherine Mae Culumber – UC Cooperative Extension, Fresno County: [cmculumber@ucanr.edu](mailto:cmculumber@ucanr.edu)
5. Jhalendra Rijal - UC Cooperative Extension, San Joaquin County: [jrijal@ucanr.edu](mailto:jrijal@ucanr.edu)
6. Stephanie Tillman – Land IQ: [stillman@landiq.com](mailto:stillman@landiq.com)
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9. Sahap Kaan Kurtural – Viticulture Consultant: [skkurtural@kurturalconsulting.com](mailto:skkurtural@kurturalconsulting.com)
10. Mark Battany - UC Cooperative Extension, San Luis Obispo and Santa Barbara Counties: [mcbattany@ucanr.edu](mailto:mcbattany@ucanr.edu)
11. Brent Holtz - UC Cooperative Extension, San Joaquin County: [baholtz@ucanr.edu](mailto:baholtz@ucanr.edu)

**Event Description:** Join, UC Specialists Daniele Zaccaria and Tapan Pathak, UC Nut Crops Advisor Catherine Mae Culumber and other experts from University of California and Land IQ in this in-person Workshop on Climate-Smart Practices for Fruit and Nut Production on November 29, 2023 at the Tulare International Agri-Center in Tulare, CA to learn about the latest research and advances in Management of Climate Change Risks.

Topics include: Climate Change Trends and Impacts, Climate-related Challenges for Fruit and Nut Production, Effects of Winter Cover Cropping on Fruit and Nut Production, Mitigation of Heat and Drought Risks, Orchard Recycling, Financial Incentives for Resource Efficiency and Conservation.

A set of information and tools available to manage climate change risks will also be presented during the Workshop. Registration includes participation to the morning and afternoon sessions, coffee breaks, lunch meal, workshop materials, and access to the workshop presentations.

You can view the event agenda here: <https://na.eventscloud.com/ereg/newreg.php?eventid=775027&>

**Who should attend:** Fruit and nut grower, orchard and vineyard managers, representatives from the fruit and nut 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 state and federal agencies.