



WORKSHOP ON ADAPTING FRUIT AND NUT PRODUCTION PRACTICES IN THE SAN JOAQUIN VALLEY TO CHANGING AND VARIABLE CLIMATE

Date: Thursday, March 7th, 2024; 8:30 am - 2:00 pm

Location: International Agri-Center (Social Room)
4500 South Laspina Street - Tulare, CA 93274

With: UC Davis, UC Merced, UCCE Tulare County, Land IQ, UC ANR

Free Registration includes participation, coffee breaks, lunch meal,
and access to workshop presentations

Online Registration Link: <https://surveys.ucanr.edu/survey.cfm?surveynumber=42347>

CEU Credits available

WORKSHOP AGENDA

8:00 – 8:30 am: On-site Registration

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

8:30 – 8:45 am: Financial Incentives for Resource Efficiency and Climate Risk Mitigation and Eligible Practices (Y. Sargent, USDA-NRCS)

8:45 – 9:00 am: Climate Change Trends and Potential Impacts on Agricultural Production (T. Pathak, UC Merced)

9:00 – 9:20 am: Effect of Climate Change and Variability on agricultural pests and potential risk management (J. Rijal, UCCE Stanislaus, San Joaquin, Merced counties)

9:20 – 10:00 am: Panel Discussion on Major Fruit/Nut Production & Quality Challenges (S. Saa, Almond Board of California; S. Vasquez, California Pistachio Research Board; J. Nichols, Nichols Farms)

10:00 – 10:15 am COFFEE BREAK

Session 2 – Tools and Resources for Climate-Smart Agriculture: Moderator: R. Mireles

10:15 – 10:45 am: The CDFA Climate-Smart Web Repository (S. Tillman, Land IQ)

10:45 – 11:00 am: CalAgroClimate Decision Support Tools for Managing Risks in Agriculture (T. Pathak, UC Merced)

11:00 – 11:20 am: Use of Weather Information for Addressing Frost, Heat, and Spray Drift Risks (M. Battany, UCCE San Luis Obispo and Santa Barbara Counties)

11:20 – 11:30 am: QUESTIONS & ANSWERS

Session 3 – Case Studies on Regional/Local Adaptation Practices: Moderator: J. Hollingsworth

11:30 – 11:50 pm: Almond Rootstocks: Overcoming challenges in the orchard (M. Yaghmour, UCCE Kern County)

11:50 – 12:10 pm: Water-related effects of Winter Cover Cropping in Nut Orchards (D. Zaccaria, UC Davis)

12:10 – 12:30 pm: Drought tolerant cover crop selection for Climate Smart Agriculture (M. Smither-Kopperl, USDA-NRCS)

12:30 – 12:50 pm: Citrus pests: how weather impacts seasonal phenology, pest pressure and management choices (S. Gautam, UC ANR Lindcove Research and Extension Center)

12:50 – 1:10 pm: Whole orchard recycling can sequester carbon, reduce nitrogen leaching, and improve soil fertility while reducing air pollution (B. Holtz UCCE San Joaquin County)

1:10 – 1:30 pm: QUESTIONS & ANSWERS and WORKSHOP EVALUATIONS

1:30 – 2:00 pm LUNCH & WORKSHOP ADJOURN

For questions, please contact:

Elizabeth Fichtner: UC Cooperative Extension, Tulare County: ejfichtner@ucanr.edu

Daniele Zaccaria: University of California, Davis: dzaccaria@ucdavis.edu

Tapan Pathak: University of California, Merced: tpathak@ucmerced.edu

List of speakers/presenters and email contacts:

1. Yamnah Sargent – USDA – NRCS: Yamnah.sargent@usda.gov
2. Tapan Pathak – University of California, Merced: tpathak@ucmerced.edu
3. Jhalendra Rijal - UC Cooperative Extension, Stanislaus, San Joaquin, Merced counties: jrijal@ucanr.edu
4. Sebastian Saa – Almond Board of California: ssaa@almondboard.com
5. Stephen Vasquez – California Pistachio Research Board: stephenv@acpistachios.org
6. James Nichols – Nichols Farms: james@nicholsfarms.com
7. Stephanie Tillman – Land IQ: stillman@landiq.com
8. Mark Battany - UC Cooperative Extension, San Luis Obispo and Santa Barbara Counties: mcbattany@ucanr.edu
9. Mohammad Yaghmour – UC Cooperative Extension, Kern County: mayaghmour@ucanr.edu
10. Daniele Zaccaria – University of California, Davis: dzaccaria@ucdavis.edu
11. Margaret Smither-Kopperl – USDA-NRCS: margaret.smither-kopperl@usda.gov
12. Sandipa Gautam – UC ANR Lindcove Research and Extension Center: sangautam@ucanr.edu
13. Brent Holtz - UC Cooperative Extension, San Joaquin County: baholtz@ucanr.edu

Workshop on “Adapting Fruit and Nut Production Practices in the San Joaquin Valley to Changing and Variable Climate”
March 7th, 2024 - International Agri-Center (Social Room) - Tulare, CA

Event Description: Join, UC Specialists Daniele Zaccaria and Tapan Pathak, and UCCE Advisor Elizabeth Fichtner, and other experts from University of California Cooperative Extension, Almond Board of California, California Pistachio Research Board, Land IQ, and USDA-NRCS in this in-person Workshop on “Adapting Fruit and Nut Production Practices in the San Joaquin Valley to Changing and Variable Climate” on March 7th, 2024 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: Available Incentives for Climate-Adaptive Agricultural Practices, Climate Change Trends and Impacts, Climate-related Challenges for Fruit and Nut Production, Effects of Cover Cropping on Fruit and Nut Production, Impacts of Weather on Pest and Management Choices, Use of Weather Information to Manage Frost and Heat Damage, and Whole Orchard Recycling.

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.

Who should attend: Fruit and nut growers, 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 and irrigation districts, extension specialists and advisors, professional researchers, University students, and representatives from state and federal agencies.