

ADVANCES IN PISTACHIO WATER MANAGEMENT WORKSHOP

Date: July 7, 2022

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

With: UC Cooperative Extension, UC Davis, California Pistachio Research Board, CDFA

Registration: \$60

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

CEU Credits available

Online Registration Link:

<https://surveys.ucanr.edu/survey.cfm?surveynumber=37579>

Registration Link available starting from June 14, 2022

WORKSHOP AGENDA

Morning Session – (9:00 am – 1:00 pm)

8:30 – 9:00 am: On-site Registration

9:00 – 9:15 am: Welcome and Updates on the California Pistachio Industry (B. Klein, California Pistachio Research Board)

Block A - Basic Principles & Information for Irrigation Management – Moderator: B. Sanden

9:15 – 9:45 am: Water Supply Shortages and Implications for Nut Production in the San Joaquin Valley (Mike Wade, California Farm Water Coalition)

9:45 – 10:15 am: Soil-Plant-Water Relations for Pistachio Under Non-stress and Stress Conditions (C. M. Culumber, UCCE Fresno County)

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10:15 – 10:45 am: Pistachio Nutrient Management with Limited Water (D. Amaral, UCCE Kings and Tulare Counties)

10:45 – 11:15 am: Results from the CDFA-funded Research Project (2016-2020) on Pistachio ET and Kc (D. Zaccaria, UC Davis)

11:15 – 11:30 am COFFEE BREAK

Block B - Information Developed through Research Efforts – Moderator: C. M. Culumber

11:30 – 12:00 pm: Mapping Soil Salinity in Micro-irrigated Pistachio Orchards (E. Scudiero, UC Riverside)

12:00 – 12:30 pm: Pistachio Tree Training, Canopy Management, and Water-related Implications (B. Lampinen, UC Davis)

12:30 – 1:00 pm: Real-field Irrigation Scheduling for Pistachio (B. Sanden, UCCE Kern County)

1:00 – 1:45 pm LUNCH BREAK

Afternoon Session: 1:45 – 4.30 pm

Block C – Water Management Aspects – Moderator: E. Scudiero

1:45 – 2:15 pm: Advantages and Challenges of Satellite Remote Sensing of ET for Compliance with the SGMA Regulation (J. Kimmelshue, Land IQ)

2:15 – 2:45 pm: Strategies for Pistachio Irrigation Management with Limited and Impaired Water Supplies (C.M. Culumber, UCCE Fresno County)

2:45 – 3:15 pm: Use of FRET – Forecast ETo from the National Weather Service for Prospective Irrigation Scheduling (R. Snyder/D. Zaccaria, UC Davis)

3:15 – 3:30 pm SNACK BREAK

Block D – Water and Energy Use – Moderator: D. Zaccaria

3:30 – 4:00 pm: Energy Supply and Demand for Pistachio Irrigation and Production (A. Aghajanzadeh, Klimate Consulting)

4:00 – 4:30 pm: Advantages and Challenges of Micro-irrigation Automation for Water and Energy Use Optimization (James Nichols, HotSpot Ag.)

4:30 pm WORKSHOP ADJOURN

Questions:

For registration questions, please contact Samantha Lemus: samanthl@ucr.edu

For questions regarding the Morning and Afternoon Sessions, please contact Catherine Mae Culumber (cmculumber@ucanr.edu) and Daniele Zaccaria (dzaccaria@ucdavis.edu).

List of speakers/presenters and email contacts:

1. Bob Klein – California Pistachio Research Board: bobk@acpistachios.org
2. Mike Wade – California Farm Water Coalition)
3. Catherine Mae Culumber – UCCE Fresno County: cmculumber@ucanr.edu
4. Douglas Amaral – UCCE Kings and Tulare Counties: amaral@ucanr.edu
5. Daniele Zaccaria – UC Davis: dzaccaria@ucdavis.edu
6. Elia Scudiero – USDA US Salinity Laboratory: elia.scudiero@ucr.edu
7. Bruce Lampinen – UC Davis: bdlampinen@ucdavis.edu
8. Blake Sanden – UCCE Emeritus: blsanden@ucanr.edu
9. Rick Snyder – UC Davis: rlsnyder@ucdavis.edu
10. Joel Kimmelshue – Land IQ: jkimmelshue@landiq.com
11. Arian Aghajanzadeh - Klimate Consulting: arianagha@gmail.com
12. James Nichols – HotSpot Ag: james@hotspotag.com

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