

## **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)

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](mailto:samanthl@ucr.edu)

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

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

1. Bob Klein – California Pistachio Research Board: [bobk@acpistachios.org](mailto:bobk@acpistachios.org)
2. Mike Wade – California Farm Water Coalition)
3. Catherine Mae Culumber – UCCE Fresno County: [cmculumber@ucanr.edu](mailto:cmculumber@ucanr.edu)
4. Douglas Amaral – UCCE Kings and Tulare Counties: [amaral@ucanr.edu](mailto:amaral@ucanr.edu)
5. Daniele Zaccaria – UC Davis: [dzaccaria@ucdavis.edu](mailto:dzaccaria@ucdavis.edu)
6. Elia Scudiero – USDA US Salinity Laboratory: [elia.scudiero@ucr.edu](mailto:elia.scudiero@ucr.edu)

7. Bruce Lampinen – UC Davis: [bdlampinen@ucdavis.edu](mailto:bdlampinen@ucdavis.edu)
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