

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 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

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 Kern County: bsanden@ucanr.edu
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