

Agenda

Workshop title	Weather stations and other tools for optimized irrigation and crop management
08:00 am – 08:05 am	Welcome Session: Coffee, Donuts, Networking, and Introduction Dr. Diao Eldin Elshikha, Biosystems Engineering Department, U of A
08:05 am – 08:20 am	Improving irrigation decisions through weather data and soil moisture sensor calibration Dr. Peter Waller, Biosystems Engineering Department, U of A
08:20 am – 08:40 am	Understanding changes in soil health under different irrigation systems Dr. Debankur Sanyal, Environmental Science, U of A
08:40 am – 09:20 am	Innovative Environmental Monitoring Solutions for Smarter Irrigation and Crop Decisions Terrell Fletcher, Campbell Scientific
09:20 am – 09:25 am	Coffee break
09:25 am – 10:05 am	Advanced Plant and Soil Sensing Technologies for Precision Irrigation and Crop Management Steven Kizorek, LI-COR
10:05 am – 10:25 pm	More than just Sunshine: Climate Insights for Central Arizona Growers Dr. Avik Mukherjee, Assistant Agent, Agriculture, U of A Cooperative Extension
10:25 am – 11:00 pm	AZMet Resources for Irrigation and Crop Management Dr. Jeremy Weiss, Program Manager, Arizona Meteorological Network, U of A Cooperative Extension, Tucson, Arizona
11:00 am – 11:20 pm	Advanced Irrigation Water Management Using Remote Sensing Dr. Ahmad Hashim, CEO and Founder of Agroptics
11:20 am – 11:40 pm	Supporting Irrigation Decisions with On-Farm Data Anna Barr, EarthScout
11:40 am – 12:00 pm	Netafim GrowSphere Operating System

Mike Bloomfield, Netafim USA

12:00 pm – 12:40 pm Lunch and Continued Networking

12:40 am – 01:00 pm Advancing Mechanized Irrigation: The Integration of Automation and Remote Sensing Technologies

Steven Koralewski, Valley (Valmont) Company

01:00 pm – 01:20 pm Soil-Water Synergy: Real-World Results from Desert Control's LNC

Dr. Shaddy Alshraah, Desert Control

01:20 pm – 01:40 pm Integrating Plant Phenotyping Technologies to Optimize Irrigation and Improve Crop Yield

Dr. Bhupinder Singh, Plant Sciences, U of A

01:40 pm – 02:00 pm Optimizing Water Use with Irrigation Scheduling Models and Field Sensors

Dr. Diaa Eldin Elshikha, Biosystems Engineering Department, U of A

Registration link: weatherstations.rsvpify.com

Location: 37860 W Smith Enke Rd, Maricopa, AZ 85138

Date and time: Wednesday, Aug 27, 2025 at 8:00 am – 2:00 pm

Zoom link: <https://arizona.zoom.us/j/86092232655>