

Workshop: Maximizing Irrigation Efficiency and Sustainability with Soil Moisture Sensors

| | |
|---------------------|--|
| 08:00 am - 08:10 am | Coffee, Donuts, and Networking |
| 08:10 am - 08:20 am | Research Funded by the Water Irrigation Efficiency Program Diaa Eldin Elshikha, Assistant Professor and Irrigation Specialist, University of Arizona |
| 08:20 am - 09:00 am | Sentek Soil Moisture Sensors - Product Overview, Installation, and Site Selection Jerrad Shivers, Sentek USA |
| 09:00 am - 9:40 am | Using Sentek Soil Moisture Data: Software Overview, Graph Interpretation, Goal Setting, and Research Outcomes Jerrad Shivers, Sentek USA |
| 09:40 am - 10:20 am | Soil Moisture and Salinity Spatial Variability and Applications for Research and Commercial Agriculture Bruno Quanquin and Keith Bellingham, Stevens Water Monitoring Systems |
| 10:20 am - 11:00 am | Root Zone Water Management for Efficient Irrigation Brad Adams, Irrrometer company |
| 11:00 am - 11:30 am | Irrigation Management: Leveraging SWAN Systems to Optimize Soil Moisture Data to Drive Production and Sustainability Alejandra Alvarez, SWAN Systems |
| 11:30 pm – 12:00 pm | Benefits of Soil Moisture Sensors for Irrigation Management Troy Schmidtke, EarthScout |
| 12:00 pm - 1:00 pm | Lunch and Networking Opportunity - Enjoy a meal, including prime rib, while connecting with fellow participants |
| 01:00 pm – 1:30 pm | Unlocking Meaningful Data: The Power of Soil Calibration for Smarter Water Management |

Jessica Nuboer, Head of Marketing, Education & Research Liaison
Sensoterra

01:30 pm -2:00 pm Advancements and Challenges in Soil Moisture Measurements: Insights
from USDA Research

Matt Hagler, Electrical engineer and USDA technician

2:00 pm - 2:30 pm Integrating Sentek Sensors with the WINDS Model for Improved
Irrigation Management

Peter Waller, Associate Professor, University of Arizona

2:30 pm – 2:35 pm Closing Remarks, Next Steps, and Conclusion

Diaa Eldin Elshikha, Assistant Professor and Irrigation Specialist,
University of Arizona

Hosted by: Diaa Eldin Elshikha, Assistant Professor & Irrigation Specialist, University of
Arizona Maricopa Agricultural Center (cell phone: 520-518-0394 and email:
diaaelshikha@arizona.edu)

Date: February 27, 2025

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

Registration Link: <https://usemoresensors.rsvpify.com>

Zoom Link: <https://arizona.zoom.us/j/82028091628>

“A special thank you to Sentek USA for sponsoring the lunch for our event”