



Artificial Intelligence for Sustainable Agriculture

Sustainable Agriculture with Artificial Intelligence Extension Workshop

Date: May 7, 2024

Location: UCR Palm Desert Center
75080 Frank Sinatra Dr, Palm Desert, CA 92211

With: University of California, Riverside, University of California ANR, Colorado State University Extension, Kansas State University, University of Arizona, Central Arizona Project, USDA-ARS

CE Units available for CCA, CPA, CPSS and CPSC

Registration Link: [Sustainable Agriculture with AI Extension Workshop Registration Link](#)

Agenda:

08:00 – 08:10	Welcome and introduction. Khaled Bali, UCANR
08:10 – 08:30	Harnessing the Benefits of Artificial Intelligence for a More Productive and Efficient Agriculture. Raj Khosla, Kansas State University.
08:30-09:00	AI for precision nitrogen and water management in row crops. Raj Khosla, Kansas State University.
09:00-09:30	CropManage Decision Support Tool for Irrigation and Nutrient Management. Michael Cahn, UCANR.
09:30-10:00	Citrus Crop Water Use and Open ET in the low desert Region of California. Daniele Zaccaria, UC Davis.
10:00-10:15	Break
10:15-10:45	Estimate Soil Moisture Tension using Remote Sensing and Land Surface Parameters in the Central Valley of California. Nan Li, UCR
10:45-11:15	Promises and pitfalls of drip irrigation in the desert cropping systems, Ali Montazar. UCANR
11:15-11:45	Deficit irrigation Strategies for Alfalfa in California. Khaled Bali, UCANR
11:45- 12:15	Environmentally Conscious Practices for Managing Soilborne Diseases in Low Desert Vegetable Production. Philip Waisen, UCANR
12:15-1:00	Lunch
1:00-1:30	On-farm water conservation projects- Surface irrigation. Peter Moller, Rubicon water.
1:30-2:00	On-Farm water conservation projects- Linear move, Basin, and subsurface drip irrigation (Ronnie Leimgruber- Grower, Imperial Valley)
2:00-2:30	Alternative cropping systems for the low desert region of California- Olives and other crops (Rick Benson- Grower, Imperial Valley)
2:30-3:00	Discussion

List of speakers and contact information:

Khaled Bali

[Home Page - Division of Agriculture and Natural Resources \(ucanr.edu\)](#)

Raj Khosla

[Raj Khosla, PhD | Kansas State University \(k-state.edu\)](#)

Mike Cahn

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Daniele Zaccaria

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Nan Li

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Peter Moller

[Peter Moller | LinkedIn](#)

Ronnie Leimgruber

[\(20+\) #FarmerFriday Ronnie Leimgruber is... - Imperial County Farm Bureau | Facebook](#)

Rick Benson

[Meet Our Growers - California Ripe Olives - California Ripe Olives \(calolive.org\)](#)

PLEASE LET US KNOW IF YOU NEED SPECIAL ACCOMMODATION

Contact Khaled Bali by text or email 760-554-1146, kmbali@ucanr.edu

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