

# Nitrogen and Irrigation Management

## Back to Basics

November 7, 2022

Madera Community College

Center for Agriculture and Technology Rooms 01A/01B

30277 Avenue 12, Madera, CA 93638

**Space is limited, registration is free but required to attend**

**Register [here](#)**

### Agenda:

7:30 to 8:00 Sign in

8:00 – 8:15 Introduction – Phoebe Gordon

8:15 – 8:45 Nitrogen Management

Sat Darshan Khalsa, *UC Davis*

8:45 – 9:30 How do soil properties determine irrigation scheduling?

Khaled Bali, *UCANR*

9:30 – 10:00 Evapotranspiration: what is it? How do you use it?

Mohammad Yaghmour, *UCANR*

10:00 – 10:15 break

10:15 – 10:45 Irrigation system maintenance

Trina Walley, *East Stanislaus RCD*

10:45 – 11:15 Irrigating young trees

Phoebe Gordon, *UCANR*

11:15 – Noon Feedback/discussion/questions

# Nitrogen and Irrigation Management Workshop

When: Monday November 14, 2022

Where: UCCE Kern County - 1031 S. Mt. Vernon Avenue, Bakersfield, CA 93307

**Registration is free but required to attend**

Register [here](#)

**Agenda:**

7:30 to 8:00 Sign in

8:00 – 8:15 Welcome & Introduction

***Mohammad Yaghmour, UCCE Kern and Kings Counties***

8:15 – 8:45 Nitrogen Management

***Sat Darshan Khalsa, UC Davis***

8:45 – 9:15 How do soil properties determine irrigation scheduling?

***Khaled Bali, UC ANR***

9:15 – 9:45 Evapotranspiration: what is it? How do you use it?

***Mohammad Yaghmour, UCCE Kern and Kings Counties***

9:45 – 10:15 **break**

10:15 – 10:45 Irrigation System Evaluation – Why a good DU is important

***Brian Hockett, North West Kern RCD***

10:45 – 11:15 Irrigating young trees

***Phoebe Gordon, UCCE Madera and Merced Counties***

11:15 – 11:45 Questions & discussion

*CDFA Irrigation and Nitrogen Management Training Program CEUs requested*

*Mohammad Yaghmour, Area Orchard  
Systems Advisor 661-868-6211  
or [mayaghmour@ucdavis.edu](mailto:mayaghmour@ucdavis.edu)*

# Nitrogen and Irrigation Management Introductory Course

November 16, 2022

Harvest Hall

3800 Cornucopia Way, Modesto, CA, 95358

**Registration is free but required to attend**

**Register here:**

<https://surveys.ucanr.edu/survey.cfm?surveynumber=39195>

Agenda:

7:45 to 8:15 Sign in

8:15– 8:25 Nitrogen and Irrigation Initiative Introduction  
Kari Arnold, *UCCE*

8:25 – 9:00 Irrigation system maintenance  
Trina Walley, *East Stanislaus RCD*

9:00 - 9:30 Irrigating young trees  
Phoebe Gordon, *UCANR*

9:30—9:50 CDFA Climate-Smart Ag Incentives Programs  
An Overview of Healthy Soils and SWEEP Programs  
Caddie Bergren, *UCANR*

9:50 – 10:10 break

10:10 – 10:40 Water Budgeting:  
where to find the relevant information and how it all works together  
Khaled Bali, *UCANR*

10:40 – 11:10 How do soil properties determine irrigation scheduling?  
Khaled Bali, *UCANR*

11:10 – 11:40 Nitrogen Management  
Douglas Amaral, *UCANR*  
CDFA Irrigation and Nitrogen Management Training  
Program CEUs requested

# Orchard and Vineyard Field Day

Wednesday November 16<sup>th</sup>, 2022

UCANR - Kearney Agricultural Research and Extensions Center and USDA-ARS  
Parlier, CA

9240 S Riverbend Ave, Parlier, CA 93648

Requested DPR 1.0 (O), CDFA-INMT CE 1.0, CCA CEU 2.0

[RSVP here](#)

8:00 AM	<b>Registration sign-in, light breakfast</b>
8:30 AM	<b>Welcome and Announcements</b> Mae Culumber, Brent Holtz

## Rotating Session 1 - 8:40 AM – 10:30 AM

Station 1 8:40-9:10 AM	<b>Orchard Irrigation Management with soil and water indicators– (possible CDFA Irrigation and Nitrogen Management Training CE 0.5, CCA CEU 0.5)</b>  Cameron Zuber UC Cooperative Extension Orchard Systems Advisor –Merced County
Station 2 9:10-9:40 AM	<b>Nitrogen and other nutrients management for non-bearing and bearing almonds (CDFA Irrigation and Nitrogen Management Training CE 0.5, CCA CEU 0.5)</b>  Brent Holtz UC Cooperative Extension Orchard Systems Advisor - San Joaquin County  Greg Browne USDA-ARS Research Plant Pathologist Davis, CA
Station 3 10:10 – 10:40 AM	<b>Effect of WOR on soil health, physical, chemical and biological properties of soils (CCA CEU 0.5)</b>  Mae Culumber UC Cooperative Extension Nut Crop Advisor Fresno County Amisha Poret-Peterson USDA-ARS Research Microbiologist Davis, CA

**Rotating Session 2 - 10:40 AM – 12:30 PM**

<p>Station 4 10:40 AM – 11:20 AM</p>	<p><b>Integrating whole orchard recycling with fumigation and anaerobic soil disinfestation to mitigate replant pathogens (DPR 0.5 CE)</b></p> <p>Greg Browne USDA-ARS Research Plant Pathologist Davis, CA</p> <p>Phoebe Gordon UC Cooperative Extension Orchard Systems Advisor – Madera County</p> <p>Brent Holtz UC Cooperative Extension Orchard Systems Advisor - San Joaquin County</p>
<p>Station 5 11:20- 12 PM</p>	<p><b>Managing Pests with Cover Crops: Integrated Pest Management (IPM) Practices and Techniques (DPR 0.5 CE)</b></p> <p>Houston Wilson UC Riverside Cooperative Extension Specialist in Orchard and Vineyards</p>
<p>Station 6 12- 12:30 PM</p>	<p><b>Vineyard water dynamics impacted by cover crops: establishment and soil and water benefits (CCA CEU 0.5)</b></p> <p>Lauren Hale USDA-ARS Research Soil Scientist Parlier, CA</p> <p>Sultan Begna USDA-ARS Water Management Research Agronomist Parlier, CA</p> <p>Cameron Zuber UC Cooperative Extension Orchard Systems Advisor –Merced County</p>
<p>12:30 PM</p>	<p><b>Nectarine room: feedback surveys, lunch boxes to stay or go</b></p>