

**University of California**  
Agriculture and Natural Resources

# **Nitrogen Management Training for Certified Crop Advisers**

*Developed by:*

**University of California | Agriculture and Natural Resources  
and the  
California Institute for Water Resources**

*With support from:*

**California Department of Food & Agriculture (CDFA)  
Fertilizer Research and Education Program (FREP)**

**California Association of Pest Control Advisers (CAPCA)**

# Nitrogen Management Training for Certified Crop Advisers

## Agenda

### **Day 1: Nutrient Management**

8:00 am	Registration check-in begins (required)
9:00 am	Module 1: Objectives Jerome Pier, Crop Production Systems
9:30 am	Module 2: Nitrogen Cycle in Crop Production Systems Patrick Brown, University of California, Davis
10:15 am	<i>Break</i>
10:30 am	Module 2 continued
11:15 am	Module 3: Nitrogen Sources Tim Hartz, University of California, Davis
12:00 pm	<i>Working Lunch</i>
1:00 pm	Module 4: Irrigation and Nitrogen Management Allan Fulton (Sacramento), Dan Munk (Fresno), Michael Cahn (San Luis Obispo), University of California Cooperative Extension
2:00 pm	Module 5: Nitrogen Budgeting Daniel Geisseler, University of California, Davis
2:45 pm	<i>Break</i>
3:00 pm	Module 6: Tools and Resources Barzin Moradi, California Department of Food and Agriculture, Fertilizer Research and Education Program
3:45 pm	Regional Board Update
4:30 pm	Questions/summary/check-out
5:00 pm	Adjourn

### **Day 2: Annual or Permanent Crops**

7:00 am Sign-in begins (required)

#### *Annual Crops:*

#### Sacramento and Fresno (*Lead/Liaison*, Dan Munk, UC Cooperative Extension)

8:00 am Agronomic crop management  
*Break*  
10:30 am Vegetable crop management

#### San Luis Obispo (*Lead/Liaison*, Tim Hartz, University of California, Davis)

8:00 am Horticultural crop growth and N demand  
Vegetable production BMPs  
*Break*  
10:30 am Berry production BMPs

*Permanent Crops* (Lead/Liaison: Patrick Brown, University of California, Davis and Allan Fulton,  
UC Cooperative Extension)

8:00 am Current practices and BMPs

*Break*

10:30 am Nitrogen management planning exercise

12:00 pm Evaluations/Sign-out/certificate of attendance

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## **Contributing partners:**

University of California  
Agriculture and Natural Resources  
web: [ucanr.edu](http://ucanr.edu)  
Twitter: @ucanr

California Institute for Water Resources  
University of California  
Agriculture and Natural Resources  
web: [ciwr.ucanr.edu](http://ciwr.ucanr.edu)  
Twitter: @ucanrwater

California Department of Food & Agriculture (CDFA)  
Fertilizer Research and Education Program (FREP)  
web: [www.cdfa.ca.gov](http://www.cdfa.ca.gov)  
Twitter: @CDFAnews

California Association of Pest Control Advisers (CAPCA)  
web: [capca.com](http://capca.com)

**Course materials available at:  
[ciwr.ucanr.edu/NitrogenManagement](http://ciwr.ucanr.edu/NitrogenManagement)**