



**UNIVERSITY OF CALIFORNIA**  
Agriculture and Natural Resources

# 2024 Organic Nitrogen Management Workshop

¡Habrá traducción al Español!

**Join us this year for the 2024 Practical Training of Nitrogen Planning and Management in Organic Production of Annual Crops!**

- Cost: \$30
- Must be able to attend all four sessions.
- Limited to only 80 attendees. Register soon!
- Virtual Event: Must register for Zoom information.
- Habrá traducción al Español - Live Spanish Translation will be provided!

(No one will be turned away due to lack of funds. Please email us to inquire)

- **Earn 6 hours of CDFA-INMTP continuing education credits** (formerly CURES CE Credits)
- **Earn 6 hours CCA credits**

## **About this workshop:**

In this 4-part series, participants will learn how to estimate nitrogen release from diverse organic sources and translate that knowledge to nitrogen fertilization plans and regulatory reporting requirements. Over the first 3 sessions, we will cover the most common sources of nitrogen and complete a nitrogen budget. In session 2, participants will be able to work on and receive feedback on their own nitrogen budgets. In session 4, participants will hear from growers about how they manage nitrogen and develop a budget.

## **Who should enroll?**

Growers, CCAs, PCAs and other agricultural professionals who are interested in learning about nitrogen management in organic production are encouraged to enroll.

**Click here to Register!**

<https://na.eventscloud.com/2024nitrogen>

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Dates & Times	Session Title
<p>Monday, November 18, 1:00-3:00 PM (PT)</p>	<p><b>Part 1:</b> Understanding Nitrogen: The Nutrient, the Role of Microbes and the Relevance of Soil Organic Matter</p> <p>We will begin with an overview of the sources, transformations and fates of sources of organic nitrogen in soil. Foundational to this, we'll cover the role and dynamics of microbes in nitrogen management, and how that impacts management decisions. Lastly, we'll discuss using nitrogen budgets to understand the sources and proportions of available nitrogen to meet crop demand.</p> <p>Speakers: Daniel Geisseler, Radomir Schmidt and Margaret Lloyd</p>
<p>Monday, November 25, 1:00-3:00 PM (PT)</p>	<p><b>Part 2:</b> Estimating Nitrogen Release from Organic Amendments and Contributions from Cover Crops</p> <p>This session will focus on estimating nitrogen release from compost, organic fertilizers and cover crops. In addition, participants will be invited to apply the training to their own operations and receive feedback on the budget calculations during this session.</p> <p>Speakers: Patricia Lazicki and Margaret Lloyd</p>
<p>Monday, December 02, 1:00-3:00 PM (PT)</p>	<p><b>Part 3:</b> Putting It All Together: Completing a Nitrogen Budget, Synchronizing Nitrogen Release with Nitrogen Demand, and Using Soil Tests</p> <p>In this session, we will address specific aspects of organic soil fertility management in vegetables. Discussions will include nitrogen in irrigation water, managing water for nitrogen optimization, crop nitrogen demand and strategies to supply demand, as well as using and interpreting soil testing. Specific references will be made to strategies for complying with forthcoming regulations. We will conclude with a discussion on new frontiers in plant's nitrogen acquisition science.</p> <p>Speakers: Daniel Geisseler, Joji Muramoto, Michael Cahn and Margaret Lloyd</p>
<p>Monday, December 09, 1:00-3:00 PM (PT)</p>	<p>Open House/Grower Panel</p>

## About the Presenters:



**Daniel Geissler** is an associate Cooperative Extension Specialist in the Department of Land, Air and Water Resources at UC Davis. Daniel's research and outreach focuses on nutrient turnover and plant nutrition in agricultural systems. He is interested in the effects that different management practices have on nutrient use in California crops and how nutrient use efficiency can be improved, particularly with nitrogen.



**Patricia Lazicki** is the Vegetable Crops Advisor for Yolo, Solano, and Sacramento Counties, working mainly in tomatoes. Her research interests include soil health, and nutrient management and fertility in organic annual cropping systems.



**Margaret Lloyd** is the Organic Agriculture and Small Farms Advisor for Yolo, Solano and Sacramento Counties. She runs an active research and outreach program focused on nutrient management and pest management for organic vegetable farms.



**Michael Cahn** ([mdcahn@ucanr.edu](mailto:mdcahn@ucanr.edu)) is an irrigation and water resources Farm Advisor for UC Cooperative Extension in Monterey County. His research and extension program focuses on irrigation efficiency, nutrient use of crops, and protecting water quality. He led the development of CropManage, an online decision support tool for irrigation and nutrient management.



**Joji Muramoto** ([joji@ucsc.edu](mailto:joji@ucsc.edu)) is an assistant Cooperative Extension organic production specialist at UC Santa Cruz. His research and extension focus on nitrogen and soilborne disease management in organic cropping systems across the state.



**Amélie Gaudin** ([agaudin@ucdavis.edu](mailto:agaudin@ucdavis.edu)) is Associate professor of Agroecology in the Department of Plant Sciences at UC Davis. Her research focuses on measuring the impacts of diversification on soil health and functions and resilience of agriculture to climate change.

### For more information, contact:

Maria Alvarez, Logistics Coordinator, [anrprogramsupport@ucanr.edu](mailto:anrprogramsupport@ucanr.edu), 530-750-1361

Margaret Lloyd, Event Lead, [mglloyd@ucanr.edu](mailto:mglloyd@ucanr.edu), 530-564-8642

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