

UCCE Regenerative Agriculture Newsletter

Issue 6 | Summer 2025

Summer is full swing and we have a packed agenda set for the rest of the year. In this issue, we've got events and farm tours lined up this summer and a beginning level farmers workshop in the fall. Hope to see you at one of these!

This year we have an all-new section dedicated to our graduate students. Each issue, we'll highlight their research, share their progress and interests and update them on what's coming next. We're excited to see how their work unfolds and how it will contribute to the broader conversation around regenerative agriculture in the San Joaquin Valley.

Some notable project highlights include our Regenerative Almond Grower Survey, which is now open and collecting responses, and our Soil Health Workshop Series, which will kick off in October. Stay tuned for more details!

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Sincerely,
Brenda Hurtado
Regenerative Agriculture Advisor
University of California Cooperative Extension

Regenerative Agriculture Needs Assessment

The Regenerative Agriculture Needs Survey seeks to gain a deeper understanding of the challenges, opportunities, and resource gaps that growers face when adopting regenerative practices. By collecting insights directly from farmers, ranchers, and agricultural professionals, we aim to identify key barriers—such as access to information, financial constraints, and technical support—and develop targeted solutions to help more producers transition successfully to this approach. Ultimately, the survey will help guide future research, outreach, and policy efforts to support the long-term sustainability of California agriculture.

Take the survey here!

Summer Employees

This summer we welcome new employees and interns to the team!

Farah Wolf
Graduate Student Co-Facilitator Intern

Farah is a graduate student in Science & Engineering Education and Fresno State alumna. She is passionate about bridging the gap between science and agriculture, and is excited to work with farmers and ranchers to learn more about their practices. She is a part of the Fresno summer internship program. In her spare time, Farah enjoys spending time outdoors, reading, and trying out new recipes. She is excited to learn more about regenerative agriculture and to meet the farmers and ranchers in the San Joaquin Valley. Welcome Farah and we're glad to have you here for the summer!



Ellie Cave
Soil Research Assistant



Hi, I'm Ellie Cave — a graduate student at Fresno State studying Soil Science. I'm passionate about soil health and understanding how regenerative practices can support both productivity and sustainability in agriculture. This summer, I'm excited to work with farmers and learn more about their experiences and challenges. Outside of research, I enjoy hiking, cooking, and spending time outdoors.

Ben Mitchell
Graduate Student Research Program Fellowship

Ben is an M.S. student in Viticulture & Enology at Fresno State, where he is also a Graduate Research Assistant in the Soil Ecology Lab. He received his B.S. in Soil Science from Fresno State in 2022 and has since worked as a Soil Conservationist for the USDA-NRCS and as a Soil Scientist for Kearney Agricultural Research and Extension Center. His research interests include soil health, soil biology, and regenerative agriculture. Outside of work, Ben enjoys spending time with his wife, Maggie, brewing in Kerman Makers, and RVing to Lake Isabella.



Maria Gutierrez
Soil Health Intern

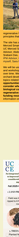
Maria graduated from California State University Stanislaus with a B.S. in Biology and a minor in Chemistry. She is passionate about soil health and sustainable agriculture and is excited to learn more about regenerative practices in the San Joaquin Valley. Outside of work, she enjoys hiking, traveling, and spending time with her family.



Want to get involved in soil health and regen? Contact us to learn more at: **regen@ucanr.edu**

Nicole Cordeiro
Soil Health Intern

Nicole graduated from the University of Oregon with a Bachelor of Science degree in Environmental Science and a minor in Spanish. She is passionate about soil health and sustainable agriculture and is excited to learn more about regenerative practices in the San Joaquin Valley. Outside of work, she enjoys hiking, traveling, and spending time with her family.



Nicole is also a graduate student at Fresno State in the Science & Engineering Education program. She is excited to learn more about regenerative practices in the San Joaquin Valley. Outside of work, she enjoys hiking, traveling, and spending time with her family.



Jose Mercado
Graduate Student Research Program Fellowship

Jose is a graduate student at Fresno State in the Soil Ecology Lab. He received his B.S. in Soil Science from Fresno State in 2024 and has since worked as a Soil Conservationist for the USDA-NRCS and as a Soil Scientist for Kearney Agricultural Research and Extension Center. His research interests include soil health, soil biology, and regenerative agriculture. Outside of work, Jose enjoys spending time with his wife, Maggie, brewing in Kerman Makers, and RVing to Lake Isabella.



San Joaquin Valley Updates



Kaiwen Chen and Grazing Research Updates

Kaiwen is a graduate student at Fresno State and his master's thesis project investigates **the impact of grazing on soil properties, water infiltration, and crop yield** in the Westside and Eastside of the San Joaquin Valley. Kaiwen will be at the UCCE Tulare Ag Expo on August 20th and 21st, and will be presenting his research at the Soil Health Workshop Series in October. Stay tuned for more updates on Kaiwen's research!

Upcoming Workshop Series

Our Soil Health Workshop Series will kick off in October. Topics will include soil biology, soil health principles, and practical applications for regenerative agriculture. Dates, locations, and registration details will be announced soon!

Upcoming Almond Cover and Grazing Research Workshop

Join us on August 20th at the Tulare Ag Expo for a workshop on almond cover and grazing research. Kaiwen Chen will present his findings on how cover crops and grazing affect soil properties, water infiltration, and crop yield in the San Joaquin Valley. Don't miss this opportunity to learn from local research and connect with other growers!

Volunteering Opportunities

Interested in getting more involved? Contact us to learn about volunteering opportunities with our team. We're always looking for enthusiastic individuals to help with research, outreach, and events.

Do you use cover crops or maintain ground cover in your orchard? We are looking for growers to participate in a research project on water use in the San Joaquin Valley!



EVALUATING GROWER EXPERIENCES with Water Use in Orchards



Impact of Soil, Cover and Water Management on Orchard Water Use



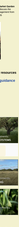
FOR PARTICIPATING GROWERS

REQUIRED CRITERIA
- Orchard must be located in the San Joaquin Valley
- Orchard must have a cover crop or ground cover

PREFERENTIAL CRITERIA
- Orchard has a soil moisture sensor
- Orchard has a weather station



A CLOSER LOOK AT WHAT EXISTING IS HAPPENING IN YOUR ORCHARD



SCAN HERE







QUESTIONS?
Contact Us
Dr. Isaya Kisekka
Email: ikisekka@ucanr.edu
Phone: (559) 646-6500

Take this to the Grower Meeting

Take this to the Grower Meeting

UC Merced Smart Farm Regenerative Almond Grower Demonstration

This collaborative demonstration project at UC Merced's Smart Farm is evaluating the impacts of regenerative practices on almond production. The project is located at the UC Merced Smart Farm and is comparing the performance of a regenerative orchard system with a conventional orchard system. The regenerative system includes practices such as cover cropping, reduced tillage, compost and biochar applications, planned sheep grazing, and a hedgerow planting.

Agricultural Systems Ecologist Dr. Ali Montazeri is leading the project and will provide grower-centered research updates during the Tulare Ag Expo.