

UC Cooperative Extension Glenn County 2023 Program Update



Dairy Advisor & County Director: *Betsy Karle*

The dairy program has been evaluating manure management technologies, dairy calf management and health, and disease prevention and treatment strategies that improve antibiotic stewardship. Results from studies were presented at local meetings, the World Ag Expo, and in various industry publications, and papers were published in scientific journals. Heading into 2024- economic and feasibility analyses of management practices that are supported by research will be a priority.

Irrigation & Water Resources Advisor: *Curt Pierce*

After a wet start to 2023, the irrigation and water resources program has expanded on the precision irrigation research and education efforts initiated in previous years. Aquifer recharge, in both agricultural and municipal settings, water quality, and groundwater protection efforts have together become growing areas of interest. With continued weather extremes appearing more and more likely, new research into these areas is needed to help local producers adapt to ever-changing conditions. In addition, we're developing expanded educational opportunities, including a Master Irrigator certification program, to bring the most up-to-date information and guidance to our growers and other local stakeholders.



Orchard Systems & Weed Ecology Advisor: *Becky Wheeler-Dykes*

The orchard systems and weed ecology program is focusing on establishing relationships with local growers, processors, and community members. Becky has attended many local extension and professional meetings and assisted with numerous farm calls to help address pressing issues facing growers in Glenn, Tehama, and Colusa counties. We look forward to bringing several new extension events to Glenn in 2024, including Olive Day and a monthly meeting to discuss current issues in the field. Becky started with UC ANR in May of 2023.

Nutrition Community Education Specialist: *Joanna Aguilar* & *Community Nutrition, Health and Food Security Advisor: Veronica Van Cleave-Hunt*

The UC Program CalFresh Healthy Living, and Glenn County Nutrition Educator Joanna Aguilar, are working with elementary students, offering nutrition, physical activity, and gardening education, along with monthly tastings to expose students to new and healthy foods. The CalFresh Healthy Living, UC Program will be incorporating Smarter Lunchroom Movement initiatives to reinforce the farm-to-table model and encourage students to eat their local foods that can help with a healthier lifestyle. Veronica Van Cleave-Hunt joined UCCE as a Community Nutrition, Health, and Food Security Advisor in July 2023, but began working for the CalFresh Healthy Living, UCCE Butte Cluster program at the beginning of 2019.



Climate Smart Agriculture Community Education Specialist: *Lizzeth Mendoza*

The Climate Smart Agriculture team, funded through the California Department of Food and Agriculture (CDFA), provides technical assistance to local farmers and ranchers who are interested in applying for the CDFA Healthy Soils Program (HSP), Alternative Manure Management Program (AMMP) and State Water Efficiency and Enhancement Program (SWEET). In 2022, the team submitted 5 AMMP applications and is preparing for the 2023 HSP and SWEET solicitations and assisting previous awardees with project implementation.

4-H Youth Development Community Education Specialist: *Christine Kampmann* & 4-H Youth Development Advisor: *Nicole Marshall-Wheeler*

With an increase in enrollment of more than 75 new youth members, over 260 returning members, and new project opportunities, Glenn County 4-H is off to a great start for the club programming model. Thanks to the 2023 Expanded Learning Mini-Grant funded by UC ANR, the Glenn County 4-H program is supported in cultivating a new partnership with the Orland Unified School District. It will provide Youth Experiences in Science curriculum and staff training to their Spark-Afterschool program.



Master Gardener Program Volunteers

The Master Gardener's mission is "to extend research-based knowledge and information on home horticulture, pest management, and sustainable landscaping practices to the residents of California." The UCCE Glenn County Master Gardener program developed its demonstration garden at the UCCE office in Orland to attract pollinators and Monarch butterflies. A weekly Plant Clinic is open to the public. The program collaborates with other community entities and public events to share the program's research-based home gardening practices and information.



Rice Farming Systems Advisor: *Luis Espino (Butte County)*

During 2023, Luis’s research focused on the management of tadpole shrimp, armyworms, and rice diseases. He collaborated with other UCCE academics on projects related to rice varieties, weedy rice, and alternative management systems. They are investigating the viability of a reduced-tillage system following a fallow year and several no-tillage systems. In addition to winter grower meetings, Luis also organized an organic rice meeting to assess the research and outreach needs of organic growers. He worked with the UCCE rice team to offer a two-day Rice Production Workshop in March and updated the Rice Production Workshop Manual, which is available for free on the UC Rice website.

Orchard Systems Advisor: *Luke Milliron (Butte County)*

Orchard research and education was critical in 2023, a difficult year for orchard farmers. The Butte, Glenn, and Tehama Orchards program continues to provide timely research and education to growers during these difficult economic times. Research included monitoring walnut quality with area advisors (pictured) and planting a fourth-generation almond variety trial at the Chico State Farm.



Integrated Pest Management (IPM) Advisor: *Sudan Gyawaly (Butte County)*

The integrated pest management (IPM) program continued providing IPM educational services through newsletter articles, one-on-one farm calls, and presentations at grower meetings throughout the Sacramento Valley. This year, Sudan’s program started monitoring the populations of important pests of almonds, walnuts, and peaches to track their development and provide the degree day information to clientele. The IPM research efforts in 2023 involved surveying the web-spinning spider mite populations and evaluating the mating disruption of navel orangeworms in walnuts.

Agronomy & Weed Science Advisor: *Ryan Hill (Tehama County)*

A few months on the job have already yielded insights into where potential advancements can be made in weed management for the benefit of Glenn County growers. Priorities for research and education in agronomic crop production and weed management will continue to be identified through meetings with growers, PCAs, researchers, and other stakeholders in the coming months. Projects are already underway to develop new weed management methods, register new herbicides, and demonstrate best practices. Ryan started with UC ANR in August of 2023.



Livestock, Range, and Natural Resources Advisor: *Josh Davy (Tehama County)*

The livestock and range program has been working in many different areas of research. In irrigated pasture, planting strategies have been trialed to provide year-round forage and increase summer productivity. Animal health projects have worked on topics such as pink eye prevention and treatment, anaplasmosis prevalence, and deworming strategies for cows, yearlings, and calves. Production projects include cost-effective forage supplementation, mineral supplementation, economic ionophore delivery methods, and increasing rangeland forage production. All projects seek practical methods to increase beef production income.



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