

UC Cooperative Extension Sutter-Yuba

Today's UCCE Sutter-Yuba Mission remains similar to that of 1918: extend research-based information to people at the local county level to achieve their goals. This is accomplished through applied research, educational programs, and events. In Sutter and Yuba Counties, programs are conducted related to agriculture, natural resources, youth development, home gardening, and nutrition education subject matters.

Gardening, Agriculture and Nutrition Programs for Sutter County Youth

We are excited to announce the receipt of a grant to our office to fund in-school programming for the 2022-2023 school year in Sutter County, as well as a new Summer Day camp to be held in Yuba City in July 2023 for both Sutter and Yuba Counties. The grant is funded through the Sierra Health Foundation. The purpose of the grant is to advance equity in education through expanded learning programs for youth in Sutter County. The grant focuses on increasing youth's knowledge of agriculture, food literacy, and science, technology, engineering, and mathematics (STEM) to build self-confidence and empower young people to be leaders in the community. Due to the specificity of this grant and its focus on Sutter County, we will use this year to build partnerships as well as develop resources, including school gardens and supply kits to accompany our curriculum that we will provide to both counties in 2023-2024.



The in-school programming will focus on Water Wizards, Embryology, Cooking Academy, and Twigs School Garden curriculum. 4-H Water Wizards teaches water education with hands-on activities to educate elementary school students about water and its importance, and engage young learners as scientists themselves. 4-H Embryology teaches students about animal reproduction and the process of raising living things. Cooking Academy aims to inspire elementary school age "chefs" by allowing them to engage with food, practice basic culinary techniques, and complete and eat healthy recipes from start to finish. Twigs School Garden curriculum builds a source of pride and accomplishment to all involved and we will be assisting with building and maintaining gardens on school sites.



SIERRA HEALTH
FOUNDATION

More information will be coming soon!

In The Community - By The Numbers

1,649

participants at 92 academic-led workshops, field days, and classes

170

volunteers donated 14,794 hours

500

youth in 4-H Club and In/After School Programs

978

residents assisted by UC Master Gardener volunteers

9,777

people reached at UCCE events and educational deliveries

It is estimated that for every

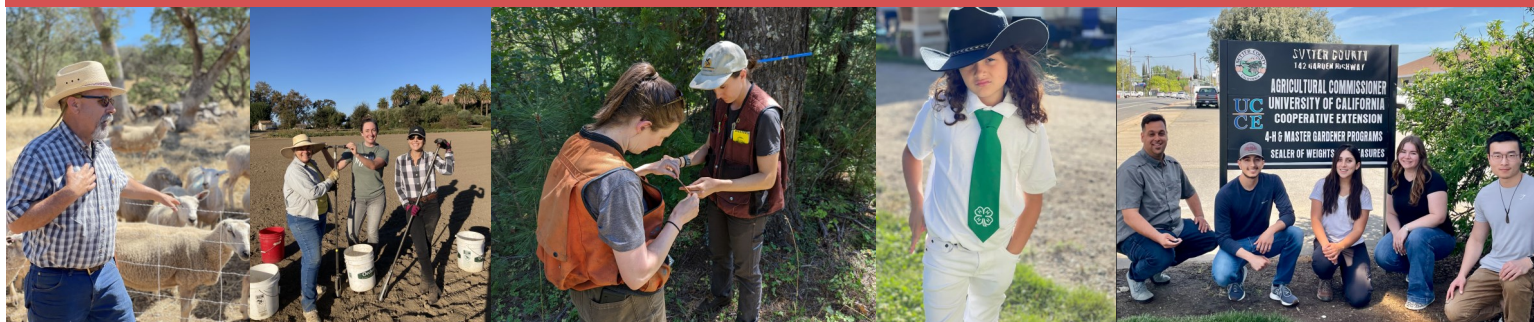
\$1

Invested in agricultural research and extension there is a return of

\$20

to the community

Alston, Anderson et al (2010)



Rice/Wild Rice - Whitney Brim-DeForest, Advisor

Whitney supports rice and wild rice growers through field visits, newsletters and blog posts, as well as field days and workshops, with a focus on weed management issues. In 2022, she held a series of in-person trainings with Pest Control Companies and Agricultural Biologists across the rice-growing region, and a booth and talk at Rice Field Day. She trained growers and PCAs in identification and control methods for weeds of rice and wild rice, with a focus on weedy rice and watergrass, two of the worst weeds of rice.

Walnuts/Cling Peaches/Kiwi - Janine Hasey, Emeritus Advisor

Janine evaluates new clonal walnut rootstock material, walnut nursery products, and walnut training systems. Held a walnut field meeting. She diagnosed field problems and wrote newsletter articles and blogs that were posted on Sacramento Valley Orchard Source website.

Vegetable Crops - Amber Vinchesi-Vahl, Advisor

Amber monitors and diagnoses soilborne and insect-vectored diseases of processing tomatoes and conducts studies on cucumber beetle pest biology in fresh-market muskmelons. She evaluated in-row cultivators to control weeds in conventional processing tomatoes. She finishing her second year of a 3-year project on compost in annual rotations (tomatoes) to improve soil health.

Prunes/Almonds - Franz Niederholzer, Advisor

Franz focuses on almonds and prunes in variety and rootstock trials, fertility management, and safe and effective spray application. Franz continued bloom tracking and rootstock work in prunes and continued a thinning timing trial begun in 2021. He also supported researchers on bark cankers in prunes and almonds along with grower talks at meetings and on-farm visits with almond and prune growers.

Livestock and Natural Resources - Dan Macon, Advisor

Dan's program focuses on rangeland drought management strategies, helping the commercial ranching community plan for and respond to wildfires and other emergencies, increasing capacity for using grazing to mitigate wildfire, and protecting livestock from predators. His efforts include hands-on field days and workshops as well as virtual webinars and a weekly podcast ("Sheep Stuff Ewe Should Know").

Forestry and Natural Resources - Ricky Satomi, Advisor

Ricky is currently getting acquainted with local forest landowners and land managers to identify major issues of concern. He is developing research and appropriately themed workshops for forest landowners and professionals around general topic areas of Novel Forest Technologies, Workforce Development, Alternative Silvicultural Practices, and Reforestation Best Practices.

Field Crops - Sarah Light, Advisor

Field crop production research includes increasing nitrogen efficiency in wheat; the impact of almond shell application to alfalfa fields on yields, weeds, and soil; and evaluations of new blackeye bean varieties. Sarah also has projects on incorporating cover crops into annual rotations related to soil moisture and soil compaction.

Dairy - Betsy Karle, Advisor

The dairy program focused on antimicrobial stewardship, animal health and well-being, and environmental stewardship in 2022. Research activities include building communities of practice on dairies, improving on-farm milk quality, managing arthropod pests, adoption of manure management practices, and decreasing antibiotic resistance. Results from studies were presented at the Golden State Dairy Management Conference, World Ag Expo, and in various industry publications.

4-H Youth Development - Matthew Rodriguez, Advisor

Sutter-Yuba 4-H continued to support local educators with in-school enrichment programs. The "4-H Water Wizards" program taught water conservation, the "4-H Embryology in the Classroom" program gave youth hands-on animal science lessons by hatching chicks, and the "4-H Youth Experiences in Science" program taught Kitchen Science using the five senses. Additionally, 4-H clubs started their year with a Kick Off and Club Officers Training. Members participated in virtual Presentation Day and Craft Day along with a drive-thru Fashion Revue. 4-H hosted a Color Me Green 5K, which was open to the public, and encouraged healthy living.

Nutrition Education Program - Melissa Ussery, Nutrition Education Supervisor

The CalFresh Healthy Living - UCCE Nutrition Education Program works through local public school teachers and organizations to provide research-based nutrition, gardening and physical activity programming. Over summer, Yuba City Unified School District Expanded Learning Program partnered with CalFresh Healthy Living, UCCE to implement six weeks of nutrition education + cooking at five sites during their Summer Program.

Master Gardener Program - Janine Hasey, Emeritus Advisor

UC Sutter-Yuba Master Gardeners continued to diagnose home garden problems for the community in the office, Farmer's Market, Yuba-Sutter Fair, and at the Be Prepared Yuba County Fair. Collaborations continued with the YES Charter Academy for the Farm to School program. In addition, UC Master Gardeners continued to further their gardening and pest management knowledge to better serve the community.

