



AGRICULTURE PROJECTS FUNDED IN CALIFORNIA

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2016

California has been awarded \$9,186,853 to support 154 projects, including but not limited to, 48 research and/or education projects, 29 professional development projects and 53 producer-led projects. California has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinator(s):

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RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
SW14-011	Farming for Native Bees	\$247,649.48	Dr.Gordon Frankie UC Berkeley
SW12-110	The interaction of rangeland management and environmental conditions in regulating forage quality & quantity and other ecosystem services	\$265,414	Valerie Eviner UC Davis
SW11-116	Integrated rotation systems for soil borne disease, weed and fertility management in strawberry/vegetable production	\$218,424	Joji Muramoto University of California, Santa Cruz
SW10-801	A San Joaquin Valley Quilt: Stitching Together a Region's Prosperity, Nutrition and Sustainability	\$14,935	Daniel O'Connell Sequoia Riverlands Trust
SW10-013	Control of Bacterial Wilt Disease of Ginger through an Integrated Pest Management Program	\$289,245	Dr.Susan Miyasaka University of Hawaii
SW10-810	Developing regional distribution networks to enhance farmer prosperity: Retail value chains	\$24,906	Gail Feenstra UC SAREP/ASI
SW10-803	Sierra CRAFT	\$30,653	Bill Bennett High Sierra RC&D Council, Inc.
SW08-060	Triple-cropping Dairy Forage Production Systems Through Conservation Tillage in California's San Joaquin Valley	\$118,100	Dr.Jeff Mitchell University of California, Davis
SW07-022	Using Nectar Cover Cropping in Vineyards for Sustainable Pest Management	\$178,300	Mark Hoddle University of California Dr.Nic Irvin University of California

SW06-091	Alternaria Control Using Biocontrol Yeast in Organic Pistachio Production Systems	\$110,286	Dr.Dan Parfitt UC Davis
SW06-038	Grazing Strategies to Control Medusahead in California	\$138,539	Dr.Emilio Laca UC Davis
SW06-033	Toward a Broader Vision of Sustainability: Social Equity in Sustainable Agriculture	\$10,000	Ron Strohlic California Institute for Rural Studies
SW05-078	Smart Energy Management in Agriculture	\$68,208	Karyn Wolf Lynn Ecological Farming Association
SW04-127	Educational Workshops on Organic Dairy Management	\$39,377	Ken Andersen University of California Cooperative Extension
SW04-121	Farmland Tenure: A Tool Kit	\$103,130	Steve Schwartz California FarmLink
SW04-058	Fresh, From Our Family to Yours: Direct Marketing Education for Producers	\$98,395	Molly Johnson PlacerGROWN
SW03-037	Confirmation of Riparian Friendly Grazing Project Results and Development of Achievable, Site Specific Reference Conditions for Grazed Riparian Areas	\$93,184	Dr.Kenneth Tate University of California Davis
SW02-035	Control of Western Tarnished Plant Bug (WTPB) <i>Lygus hesperus</i> Knight in Organic Strawberry Production Systems Using Trap Crops and Tractor-mounted Vacuums	\$31,280	Dr.Sean Swezey Center for Agroecology and Sustainable Food System
SW02-034	Development and Dissemination of a Cowpea Cultivar for Cover Crops	\$43,686	Milt McGiffen University of California
SW02-008	Evaluation of the Effects of Vineyard Floor Management Practices on Soil Microbiology	\$27,496	Richard Smith University of California Cooperative Extension
SW02-020	Management of Vine Mealybugs in California's San Joaquin Valley Through the Integration of Chemical and Biological Controls	\$117,286	Kent Daane Division of Insect Biology, UC Berkeley Walter Bentley UC Statewide IPM Project
SW01-044	Riparian Friendly Grazing Project	\$24,714	Dr.Kenneth Tate University of California Davis
SW01-057	Transition to Organic Vegetable Production by Large-Scale Conventional Farmers	\$123,399	Louise Jackson UC Davis
SW99-009	Rotations with Broccoli - A Sustainable Alternative to Soil Chemical Fumigants	\$145,750	Krishna Subbarao University of California, Davis
SW99-008	The Transition from Conventional to Low-Input or Organic Farming Systems: Soil	\$153,962	Steven Temple University of California

	Biology, Soil Chemistry, Soil Physics, Energy Utilization, Economics, and Risk		
SW98-044	Cropping Systems for Intensive Desert Vegetable Production	\$130,672	Charles Sanchez University of Arizona Milt McGiffen University of California
SW97-045	Decomposition and Nutrient Release Dynamics of Cover Crop Materials	\$41,064	Dr. Jeff Mitchell University of California, Davis
SW97-049	Development and Implementation of Trap Cropping Strategies for Control of Hemipteran Pests in Pistachio Orchards	\$79,858	Kent Daane Division of Insect Biology, UC Berkeley
SW97-021	Reducing Insecticide Use on Celery Through Low Input Pest Management Strategies	\$100,000	John T. Trumble University of California, Department of Entomology
SW96-021	Controlled Grazing on Foothill Rangelands	\$40,750	Roger Ingram University of California Cooperative Extension
SW96-012	The Transition from Conventional to Low-input or Organic Farming Systems: Soil Biology, Soil Chemistry, Soil Physics, Energy Utilization, Economics and Risk	\$100,000	Steven Temple University of California
SW96-016	Tillage Practices for Improving Nitrogen Cycling and Soil Quality	\$102,000	Louise Jackson UC Davis
SW95-012	A Cover Crop System for Sustainable Grape Production in California - Beyond the Transition Phase	\$122,559	Frank G. Zalom University of California
SW95-019	Development of a Farm-Wide System for Control of Many of the Principal Lepidopterous Pests of Grapes and Tree Fruits Based on Disruption of Premating Pheromone Communication Between Male and Female Moths	\$120,770	Harry H. Shorey University of California
SW95-024	Managing Soil Biota in Low-Input and Organic Farming Systems to Enhance Soil Fertility	\$175,000	Kate Scow University of California, Dept. of Land, Air, and Water Resources
SW94-054	Farming in the 21st Century: A Documentary Photography Project	\$27,000	Cynthia L. Vagnetti
SW94-037	Sierra County Alternative Agriculture Project	\$12,000	Kim Joos Sierra County Economic Council
SW94-017	The Transition from Conventional to Low-input or Organic Farming Systems: Soil Biology, Soil Chemistry, Soil Physics, Energy Utilization, Economics and Risk	\$186,666	Steven Temple University of California
SW94-022	Western Region Community Supported Agriculture (CSA) Conference	\$23,991	Jered Lawson CSA West
LW91-028	A Multidisciplinary Approach to Evaluate and Aid the Transition From	\$299,814	Kent Daane Division of Insect Biology, UC Berkeley

	Conventional to Low-Input Pest Management Systems in Stone Fruits		
LW91-030	Assisting Resource-Poor, Small-Scale Farmers with Adoption of Low-Input Technologies through a Client Participation Program of Cooperative Research and Extension at the Rural Development Center Near Salinas, California	\$59,992	Paul Gersper University of California
LWD91-001	California Sustainable Agriculture Working Group	\$6,500	Ronald E. Voss University of California, Vegetable Research & Information Center
LW91-026	Prune Refuges and Cover Crops to Facilitate Low-Input Production of California's Raisin, Table, and Wine Grapes	\$120,402	Frank G. Zalom University of California
LW89-018	A Comparison of Conventional, Low-Input and Organic Farming Systems: The Transition Phase and Long-Term Viability	\$600,000	Steven Temple University of California
LW89-013	Application of Low-Volume Water Systems to the Cultural and Biological Control of Root Diseases	\$325,160	Milton N. Schroth University of California
LW89-020	Cover Crop Information for Researchers and Farmers	\$90,000	Robert Bugg University of California
LW89-021	Information Delivery Systems for Use in Implementation of Lisa (SARE) Research and Technology	\$182,000	Ronald E. Voss University of California, Vegetable Research & Information Center
LW88-003	Comparative Study of Established Organic and Conventional Tomato Production Systems in California	\$509,447	Carol Shennan University of California, Santa Cruz

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
EW16-026	Assessment of Soil Biology and Plant Available Nitrogen for Soil Health and Water Quality	\$49,690	Hunter Francis CAFES Center for Sustainability
EW16-018	Facilitating Food Safety for Small, Sustainable Farms	\$55,000	Nathan Harkleroad ALBA Kaley Grimland
EW16-015	Harmonizing Organic Standards and Food Safety Metrics	\$74,970	Dave Runsten Community Alliance with Family Farmers
EW14-036	Supporting Farmer Training Programs- in the Western States through Professional Development and Collaboration	\$29,977	Nathan Harkleroad ALBA
EW13-027	Application of Lessons Learned from NRCS Rangeland CEAP: A site-specific, Low Cost System for Medusahead Control	\$68,469	Jeremy James University of California
EW13-025	Building Tools and Technical Capacity to Improve Irrigation and Nutrient	\$39,564	Pamela Krone-Davis Monterey Bay Sanctuary Foundation

	Management on California's Central Coast		
EW13-022	Development and training of a national spray application work group	\$57,862	Gwen-Alyn Hoheisel Washington State University
EW13-008	High Residue Farming in the Irrigated Far West	\$26,400	Andrew McGuire Washington State University Extension
EW12-033	FARMING STRATEGIES FOR COPING WITH CLIMATE CHANGE	\$19,000	Renata Brillinger California Climate & Agriculture Network
EW12-017	Training Manuals and Professional Development Activities for Teaching Organic Farming and Marketing	\$98,782	Dr.Daniel Press University of California Santa Cruz Ann Lindsey University of California Santa Cruz
EW11-029	Cal Poly Professional Development Compost Training and Establishment of the Cal Poly Compost Project	\$57,582	Hunter Francis CAFES Center for Sustainability
EW10-004	Capacity Building Workshops: Developing Regional Agritourism Networks for Agricultural Sustainability and Education	\$59,558	Penny Leff UC Small Farm Program
EW10-005	Understanding the Climate Benefits of Sustainable Agriculture	\$11,905	Jeanne Merrill CA Climate & Agriculture Network (CalCAN) Renata Brillinger California Climate & Agriculture Network
EW09-004	Ecology and Management of Grazing, An Online Course	\$84,826	Melvin George University of California
EW04-012	Adding Value to Grassfed Beef Niche Marketing Efforts	\$60,000	Cynthia Daley California State University, Chico
EW03-007	Extending Hedgerow Systems in California Agriculture	\$60,000	Mark Cady Community Alliance with Family Farmers
EW03-004	Field Course for Agricultural Professionals on the Common Goals and Strategies of USDA's National organic Standards and Resource Conservation Programs	\$60,000	Rex Dufour National Center for Appropriate Technology (NCAT)
EW02-005	Organic Farming Principles, Practices, and Materials: Resources for Western Region Extension and USDA Professionals	\$101,907	Dr.Sean Swezey Center for Agroecology and Sustainable Food System David Chaney SAREP
EW01-013	Promotion of Intergenerational Farm Transfers for Agricultural Sustainability and Farmland Production	\$56,000	Steve Schwartz California FarmLink
EW01-010	Training and Education Outreach to NRCS and University of California CES staff to Convey Animal Nutrition	\$81,950	Thomas Wehri CA Association Resource Conservation Districts
EW00-012	Sharing Resources to Help Connect	\$96,578	David Chaney

	Farmers to Direct Marketing Niches		SAREP
EW98-001	Broadening the Audience: Providing Sustainable Agriculture Education for Pest Control Advisers and Agricultural Consultants in California and Oregon	\$80,100	David Chaney SAREP
EW97-002	Sustainable Range & Pasture Livestock & Dairy Production Training For Resource Professionals	\$29,000	Roger Ingram University of California Cooperative Extension
EW96-005	Multidisciplinary On-Site Training in Sustainable Agriculture Education	\$97,432	Steven Temple University of California
EW96-011	Professional Training in Biologically Integrated Orchard Systems	\$155,940	Jill Klein Com. Alliance w/ Family Farmers/BIOS Training Prop. for SARE
EW96-009	Sustainable Agriculture Curriculum Development Project for Extension Professionals in California's San Joaquin Valley and Central Coast Regions	\$98,773	David Chaney SAREP
EW96-010	Sustainable Arid Land Grazing Systems: Training for Managers of Public Land and Reserves	\$29,000	William Olkowski Bio-Integral Resource Center (South)
EW95-015	A Consortium-Based Sustainable Agriculture Training Program (SATP) Curriculum Plan	\$20,000	Dr. Sean Swezey Center for Agroecology and Sustainable Food System
EW94-003	Multidisciplinary On-Site Training in Sustainable Agriculture Education	\$71,000	Steven Temple University of California

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FW16-036	Improving Water Use Efficiency in Conventional and Organic Almonds through Data Driven Irrigation	\$19,878	Pat Ricchiuti P R Farms, Inc.
FW16-033	Sorrel Pesto: The Positive Implications of Sorrel as a Substitute for Basil in Pesto Production	\$19,710	David Ceaser Green Skies Vertical Farm
FW16-034	Sustainable Irrigation Demonstration Project: Demonstrating Irrigation Efficiency in California Winegrapes through Advanced Practices and Technologies	\$19,180	Jason Melvin Zabala Vineyards
FW15-029	High Desert High Tunnels	\$5,183	Laurie Wayne Locavore Farms
FW14-024	Vines And Ovines: Benefits of Target Grazing to Sheep and Vineyard Industries	\$14,991	Jaime Irwin Kaos Sheep Outfit
FW11-037	Use of Wood Ash as Soil Amendment on Annual Rangelands	\$28,995	Mel Thompson Sierra Farms Glenn Nader

			University of California Cooperative Extension
FW10-037	Woolgathering on the Farm	\$7,165	Sophie Sheppard Woolgathering
FW08-030	Creating and Marketing Value-Added Orchard Products	\$15,000	Nicholas Salle Salle Orchards Billie Jean Salle Salle Orchards
FW08-312	Effects of Aleutian Geese on Humboldt County Pastures	\$28,540	Alan Bower University of California Davis
FW08-324	Placer Ag Futures Project	\$25,670	Bill Bennett High Sierra RC&D Council, Inc. Kay Joy Barge High Sierra Resource
FW08-311	Restoring Plant Diversity and Soil Health in Napa and Sonoma Vineyards: scaling up an agroecologically based pest management strategy	\$30,000	Houston Wilson UC Berkeley -- ESPM Miguel Altieri University of California, Berkeley
FW08-047	Sierra Nevada Small Farm Progress Days	\$27,370	Dan Macon
FW08-315	Vines and Ovines: Using Trained Sheep for Vineyard Floor Grazing	\$29,193	Morgan Doran University of California
FW07-311	Building on Organic Knowledge: On-Farm Transfer of a Trap Cropping Method to Control Lygus Bug in Conventional Strawberry Production	\$14,864	Dr. Sean Swezey Center for Agroecology and Sustainable Food System
FW07-303	Farm Direct Distribution	\$25,444	Brigitte Moran Marin Farmers Market Association
FW07-324	Management Challenges for Dairy Goat Sustainability	\$15,360	Deborah Giraud University of California
FW06-308	Conservation Tillage Forage Production in California's San Joaquin Valley	\$9,400	Dr. Jeff Mitchell University of California, Davis
FW06-304	Using Molasses as an Attractant for Concentrating Grazing on Medusahead	\$3,479	Morgan Doran University of California
FW05-030	Evaluation of abalone effluent for reclamation	\$7,685	Douglas Bush The Cultured Abalone
FW05-020	Goats in the Chaparral	\$19,990	Bill Burrows
FW05-026	Sustaining an Agricultural Region: Capay Valley Grown	\$14,980	Judith Redmond Full Belly Farm

FW04-024	A pilot project for zero discharge farming	\$3,250	Alan Haight Riverhill Farm
FW04-111	Marketing Locally Grown	\$10,000	Mary Ann Vasconcellos
FW04-028	Organic Vineyard/Orchard Weed and Grass Management Using Miniature Sheep	\$7,472	Deborah Walton Canvas Ranch
FW03-105	Bay Area Agricultural Cooperative	\$13,000	John Lagier Lagier Ranches
FW03-013	Can Llamas Be an Effective Tool for Predator Control?	\$6,500	Jill Hackett Howe Creek Ranch
FW03-318	Conservation of Groundwater Resources in the Mojave High Desert Region through Producer Education of Irrigation Management	\$6,285	Grant Poole University of California Cooperative Extension
FW03-010	Increasing Adoption of Sustainable Practices in Central Coast Vineyards	\$13,000	Kris O'Connor Central Coast Vineyard Team
FW03-007	Integrated Pest Management and Sustainable Grape Production in Sonoma County	\$13,000	Nick Frey Sonoma County Grape Growers Assn.
FW03-107	Marin Organics Cooperative Marketing Program	\$13,500	Warren Weber Star Route Farms
FW03-015	Pastured Pork: Economics of Intensive Grazing in the Western United States	\$6,550	John Currey CR Pigs
FW03-009	Unconventional Conversion: Cultivating Sustainability in Citrus and Avocado Orchards	\$7,500	Zachary Griffin
FW02-213	Establishing a Market for Sustainable Agricultural Products in Sierra Nevada Foothill Counties	\$12,900	Ed Rich
FW02-211	Marin Organic's Cooperative Marketing Outreach	\$9,191	Warren Weber Star Route Farms
FW01-089	Symphylans: A growing menace. A look into its detection, damage, and ontrol in a small-scale Biointensive Community Supported Agriculture Project.	\$6,270	Michelle Vesser Small Farm / Specialty Crops
FW00-299	Good Humus Produce Farm to School Project	\$5,300	Annie Main
FW00-080	Moving From Selling Through Intermediaries to Direct Marketing Using Cause Related Marketing Strategy	\$4,447	Maria Ines Catalan

FW00-005	Production of Strawberry Plants using Sterile Soil Amendments	\$5,000	Allen Albaugh
FW00-010	Soil Solarization for Weed and Disease Control in Specialty Crops	\$4,975	Mike Smith
FW00-210	Test Marketing Pasture Produced Artisan Cheeses	\$7,910	Tim Pedrozo
FW00-008	Tracking Costs and Returns in a Transition to Grass-Based Dairying	\$1,139	Dean Martin
FW00-021	Water Use of Wine Grapes in the Granitic Soils of the Fair Play Wine Region in the Sierra Foothills	\$10,000	Brian Fitzpatrick
FW99-108	Central Coast Vineyard Team Positive Points System Evaluation and Education Program	\$10,000	Dana Merrill
FW99-073	Converting Dairy Waste into More Usable Products through Vermiculture	\$4,300	Charmaine Harris
FW98-072	Goats as a Source of Weed and Brush Control in Forest Plantations	\$5,000	Allen Albaugh
FW98-009	Soil Solarization as a Methyl Bromide Alternative in Strawberries	\$4,000	Touxia Thauxaochay
FW98-012	Solarization for Small Farm "Specialty Crops"	\$4,000	Mike Smith
FW97-011	Feasibility of Soil Solarization for Strawberry Production on the Central Coast of California	\$5,000	Larry Galper
FW97-012	Individual Confinement Rearing vs. Pasture-Based Group Rearing of Dairy Calves	\$3,248	Jim Wackerman
FW97-030	Pheromone Foggers for Pesticide Replacement	\$5,000	Willis Thompson
FW97-016	Vermicomposting Demonstration Project	\$5,000	Dave Renner Diamond Point Dairy
FW96-053	Farming, Agriculture, and Resource Management for Sustainability (F.A.R.M.S.)	\$5,000	Craig McNamara Sierra Orchards
FW95-089	Monitoring Program for Biologically Integrated Orchard Systems (BIOS) in Walnuts	\$5,000	Liza Lewis Community Alliance with Family Farmers Foundation

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GW16-044	A Collaborative Approach to Integrated Pest Management of Tadpole Shrimp in California Rice Fields.	\$24,928	Joanna Bloese University of California, Davis
GW13-018	Best management practices that promote sustainable crop pollination: the role of crop rotations and tillage depth	\$24,954	Katharina Ullmann University of California, Davis
GW13-011	Compost-Induced Disease Suppressive Soils for Control of Verticillium Wilt of Strawberry	\$24,992	Margaret Lloyd UC Davis
GW12-024	Ecosystem Services in Hedgerow Restorations: Pollination Function and Nesting Habitat	\$17,882	Hillary Sardinas UC Berkeley
GW11-012	Facilitating Integrated Weed Management in California Rice: Predicting E. spp. and C. difformis emergence across heterogeneous growing environments	\$17,120	Dr.Mark Lundy University of California Cooperative Extension
GW11-001	Pastured Poultry/Crop Systems and Their Effect on Food Safety, Farm Economy, and Soil Quality	\$24,807	Dr.Kathleen Hilimire University of California, Santa Cruz
GW10-010	Irrigation Alternatives for Sustainable Water Use of Processing Tomatoes	\$25,000	Louise Jackson UC Davis Felipe Barrios-Masias UC Davis
GW09-018	Promoting Native Bumblebees in Agricultural systems for conservation and ecosystem service	\$20,074	Dr.Alexandra Harmon-Threatt Washington University Alexandra Harmon-Threatt UC Berkeley
GW08-015	Screening for non-host rotation crops of Colletotrichum acutatum for strawberry nurseries in California	\$19,535	Joseph Jertberg UC Davis Plant Pathology Department
GW08-018	Solarization and steam heat combined to control weeds in strawberry	\$19,974	Steve Fennimore University of California, Davis Celeste Gilbert University of California, Davis
GW07-012	Managing Soil Food Webs for Enriched and Suppressive Soils: Effects of Cover Crop Diversity and Quality	\$19,235	Tianna DuPont University of California at Davis
GW07-006	Risk, Rate, and Impact of Medusahead Invasion of California Savannas	\$19,971	Corey Cherr University of California, Davis
GW07-003	Sustainable Landscapes: Investigating the Landscape Scale Effects of Riparian Habitat on Natural Pest Control	\$17,950	Suzanne Langridge University of California
GW06-030	Developing a Management Plan for Reducing Thrips-induced Damage on Timothy Hay	\$10,000	Larry Godfrey University of California, Davis Daniel Marcum University of California Dominic Reisig University of California, Davis
GW06-016	Investigating the Effect of Hedgerows to	\$10,000	Tara Pisani Gareau

	Enhance Natural Biological Control		University of California, Santa Cruz
GW06-004	Linking C and N Cycling to Microbial Community Function in Cover Crop Systems	\$9,995	Angela Yin Yee Kong University of California, Davis
GW06-007	Pest Control Services from Natural Habitat	\$9,650	Rebecca Chaplin University of California, Berkeley
GW06-029	Sheep Grazing as a Tool for Vernal Pool Stewardship	\$8,813	Joan Schwan Sonoma State University
GW06-017	Understanding N Fixation by Legume Cover Crops in Organic Vegetable Systems	\$10,000	Katie Monsen University of California Santa Cruz

ON-FARM RESEARCH/PARTNER GRANTS

Project #	Project Title	SARE support	Project Leaders
OW16-013	Irrigated Pastureland Enhancement Program	\$49,774	Leslie Roche UC Davis Dan Macon UC Davis - Department of Plant Sciences
OW14-032	Selecting and Managing Vineyard Cover Crops to Reduce Consumption of Net Basin Water	\$49,467	Fritz Westover Vineyard Team Kris Beal Vineyard Team
OW13-062	Empowering Socially-Disadvantaged Farmers to Investigate Nitrogen Management in High-Value Vegetable Crops	\$45,527	Nathan Harkleroad ALBA
OW12-008	Water Management in Sonoma County Grape Production	\$49,200	Karen Thomas Sonoma County Winegrape Commission
OW11-318	Pomo Tribal Supported Agriculture Program	\$49,963	Rachel Whetstone Hopland Band of Pomo Indians Terri McCartney Coordinator

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For further information on projects, contact Western SARE at (435) 797-2257 or wsare@usu.edu.

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