



AGRICULTURE PROJECTS FUNDED IN UTAH

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2018

Utah has been awarded \$4,442,549 grants to support 65 projects, including but not limited to, 29 research and/or education projects, 7 professional development projects and 18 producer-led projects. Utah has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinator:

Marion Murray
Utah State University
marion.murray@usu.edu
(435) 797-0776

RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
SW18-058	Establishing a protocol for receiving cattle that are at-risk of having a mineral deficiency	\$206,209	Dr.Kara Thornton Utah State University
SW17-046	Grass-birdsfoot trefoil mixtures to improve the economic and environmental sustainability of pasture-based organic dairies in the western U.S.	\$214,123	Dr.Blair Waldron USDA-ARS
SW17-077	Best Management Practices for Regionally-Distinct Populations of the Blue Orchard Bee	\$246,910	Theresa Pitts-Singer USDA Agricultural Research Service
SW15-003	Training cattle to graze medusahead and avoid velvet lupine: A new tool to sustain the economic viability of livestock operations in the Western US	\$249,909	Dr.Juan Villalba Utah State University
SW15-029	Improving Tart Cherry Sustainability	\$230,154	Dr.Brent Black Utah State University
SW14-015	Integrated Byproduct Streams for Enhanced Viability of Combined Dairy Farm and Milk Processing Operations	\$295,688	Dr.Donald McMahon Western Dairy Center, Utah State University
SW13-034	Onion Systems Management Strategies for Crop Nutrition, Weeds, Thrips, and Iris Yellow Spot Virus	\$169,299	Dr.Diane Alston Utah State University
SW10-088	Grass-Legume pastures to increase economic and environmental sustainability of livestock production	\$209,907	Dr.Blair Waldron USDA-ARS
SW08-076	Cultural Management of Onion Thrips and Iris yellow Spot Virus	\$133,441	Dr.Jennifer Reeve Utah State University

SW07-014	Sustainable Vegetable Production: Screening Cover Crops for Water Use Efficiency	\$118,411	Dr.Daniel Drost Utah State University
SW07-035	High Value Crop Rotations for Utah High Tunnels	\$144,495	Brent Black PSC Department, Utah State University Dr.Brent Black Utah State University
SW04-060	Perennial Forage Kochia for Improved Sustainability of Grass-Dominated Ecosystems	\$149,503	Dale Zobel ADVS Dept., Utah State University
SW02-013	Sustainable Water Management for Irrigated Asparagus	\$23,013.50	Dr.Daniel Drost Utah State University
SW01-020	Production of Drought-adapted Intermountain Native Plants Through Low-cost, In-containers for Emerging Western Markets	\$71,686	Roger Kjelgren Utah State University
SW01-023	Biofumigants in Commercial Onion Production to Enhance Soil Nutrient Availability, Soil Quality, and Control of Weed, Nematode, and Disease Pests	\$134,317	Brad Geary Brigham Young University
SW01-034	Assessment of Value Added Milk from Pasture-based Dairies	\$78,000	Tilak Dhiman Utah State University
SW01-001	Value Added Opportunities from the Manufacture and Feeding of Silages Produced from Liquid Cheese Whey and Other By-products to Growing and Finishing Cattle and Beef Cows	\$59,777	Dale Zobel ADVS Dept., Utah State University
SW00-040	In-house composting in high-rise, caged layer facilities	\$60,975	Richard Koenig Utah State University
SW00-063	Impact Assessment of Western Region SARE Projects	\$38,500	Dr.Rhonda Miller WSARE
SW99-024	The Effects of Altering the Protein Efficiency of Lactating Dairy Cows on the Whole-farm Nitrogen Efficiency of Dairy Farms: Subcontract 1	\$19,184	Allen Young Utah State University
SW99-024A	The Effects of Altering the Protein Efficiency of Lactating Dairy Cows on the Whole-Farm Nitrogen Efficiency of Dairy Farms.	\$89,571	Allen Young Utah State University
SW99-024B	The Effects of Altering the Protein Efficiency of Lactating Dairy Cows on the Whole-Farm Nitrogen Efficiency of Dairy Farms	\$19,184	Richard Kohn
SW98-058	Reducing Chemical Inputs in Arid-Climates Through Sustainable Orchard Management	\$261,044	Schuyler Seeley Utah State University
SW96-032	Identification of Management Practices and Cultivars for Organic Hard-Winter Wheat Production	\$93,911	David Hole Utah State University

SW95-006	A Livestock Production System Less Reliant on the Use of Publicly Owned Lands	\$60,000	Randall D. Wiedmeier Utah State University
SW95-015	Public-Land Grazing Permittees Under Pressure: Sustainability of Coping Strategies on Private Land	\$63,000	D. Layne Coppock Utah State University
LWD93-006	Navajo Nation Whole Farm/Ranch Sustainable Systems Demonstration Project	\$14,000	Lyle G. McNeal Utah State University.
LWD93-034	Four Corners Navajo Nation Sustainable Agriculture Demonstration Project	\$100,000	Lyle G. McNeal Utah State University.
LWD92-005	Conference on the Science of Sustainable Agricultural Systems	\$15,500	David Bezdicek Washington State University

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
EW15-023	Sustaining the Future of Navajo Rangelands via Mobile Learning Tools to Promote Enhanced Vegetation Management	\$62,260	Dr.Gerald Hawkes New Mexico State University
EW14-017	Building Business Management Capacity for American Indian Agricultural Businesses	\$75,000	Ruby Ward Utah State University
EW13-005	Economic Evaluation of Agricultural Diversification through Agritourism for the Intermountain West	\$74,492	Dr.Kynda Curtis Utah State University
EW09-007	Economic Evaluation of Alternative (low-water use) Crops for the Great Basin	\$99,723.50	Carol Bishop University of Nevada Cooperative Extension Dr.Kynda Curtis Utah State University
EW06-005	Entrepreneurial Sustainable Agriculture: Alternatives for Processing, Packing, Labeling and Marketing in Internet/Retail Environments	\$58,755	John C. Allen, PhD Western Rural Development Center
EW06-018	Disseminating Research-based Information to Improve Great Basin Rangelands	\$21,605	Summer Olsen Utah State University Mark Brunson Utah State University
EW04-010	Communication of Range Demonstration Project Results	\$15,045	Ken Mills Utah Association of Conservation Districts

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FW07-315	Bramble Variety Trials in Utah to Reduce Disease, Increase Production and Enhance Profitability	\$23,250	Rick Heflebower Utah State University
FW06-012	Interseeding Forage Kochia in Established CRP Land for Enhanced Livestock and Wildlife Utilization	\$7,621	Ron Harper

FW06-027	Commercial Artichokes in the Intermountain West	\$5,180	James Haggarty Sun River Farms
FW06-327	Integrating Annual Crop Residues, Perennial Pastures, and Livestock Management to Extend the Grazing Season and Minimize Losses of Soil Nitrogen	\$10,000	Thomas Griggs Utah State University
FW05-022	Increasing the Profitability of Raspberries by Extending the Growing Season	\$2,310	Clark Willis
FW04-037	Tomato Disease Prevention and Production Enhancement	\$2,095	Aviva Maller-O'Niel Rick Heflebower Utah State University
FW04-314	Organic Dairy Transition in Northern Utah	\$7,500	Clark Israelsen Utah State University Cooperative Extension
FW04-014	Goats as a Weed Control Alternative in Small Acreage Ranchettes	\$3,382	Kyle Christensen
FW03-201	Winter Cover Crop Experiment	\$1,120	Aviva Maller-O'Niel
FW03-306	Season Extension Experiment	\$1,250	Rick Heflebower Utah State University
FW00-019	Medusahead Control and Revegetation in Southern Cache County, UT	\$6,414	Guy Pulsipher
FW00-054	Southern Utah Forest Products Association Cooperative Marketing Act	\$4,835	Brian Cottam
FW00-317	The Original Cache Junction Families Popped Wheat	\$2,801	Wes Roundy
FW99-080	Composting Poultry Waste Inside High Rise Layer Houses	\$4,992	Mike Shepherd
FW99-117	Hovenweep Burn Reseeding and Demonstration Area	\$4,000	Mary Tso
FW97-038	Increased Forage Production during Alfalfa Rotation Years in Johnson Canyon, Utah. Biological Control of Scotch and Bull Thistle on Disturbed Alfalfa Pastures	\$2,900	Michael E. Noel
FW97-065	Alternative Cropping For the Navajo Reservation	\$4,300	Mark Maryboy
FW95-084	Pasture Aeration and Fertilizer Study	\$2,480	Ken Carter

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GW18-106	Brown Marmorated Stink Bug in Utah's Intermountain West	\$24,999	Dr.Diane Alston Utah State University Mark Holthouse Utah State University
GW18-156	Utilizing Tannin-Containing Forages and Holos Software for Sustainable Beef Production in the Intermountain West	\$20,204	Dr.Jennifer Reeve Utah State University Kathryn Slebodnik Utah State University
GW17-060	Navajo Spinach (Cleome Serrulata): Improving Seed Germination from Wild Populations Gathered across Native Lands of the Four Corners	\$24,969	Dr.Daniel Drost Utah State University Reagan Wytalucy Utah State University
GW15-046	Improved simple on-site soil quality testing for soils in the Intermountain West	\$24,844	Dr.Jennifer Reeve Utah State University Esther Thomsen USU
GW13-006	Determination of gas emissions from manure sources in animal feeding operations	\$25,000	Scott B. Jones Utah State University Dr.Rhonda Miller WSARE Pakorn Sutitarnnontr Biological Engineering Department, Utah State University
GW12-030	Contributions to pest suppression through predator phenology and functional diversity	\$13,095	Dr.Ricardo Ramirez Utah State University Erica Stephens Utah State University

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
OW18-007	Supporting Natural Enemies of the Cabbage Aphid with Hedgerow Plantings	\$48,554	Laura Horn Wild Bee Project
OW14-036	Biochar Amendment to Enhance Tomato and Melon Productivity and Protect Against Phytophthora Root Rot Disease	\$49,990	Marion Murray Utah State University
OW13-005	Rangeland Restoration on the Channel Scablands of Eastern Washington	\$49,931	Dr.Kip Panter USDA-ARS-PPRL
OW12-020	Feedlot performance, feed efficiency, and profitability of cattle fed either a complete mixed ration or allowed to voluntarily select their diet.	\$49,967	Beth Burritt Utah State University

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
WSP17-014	2018 Utah State University PDP Project	\$37,973.60	Marion Murray Utah State University

**Total funding from the USDA SARE program to
Utah
\$4,442,549**



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

Sustainable Agriculture Research and Education (SARE) is funded by USDA's National Institute of Food and Agriculture (NIFA).