AGRICULTURE PROJECTS FUNDED IN ARIZONA

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2019

Arizona has been awarded $2,260,200 grants to support 55 projects, including but not limited to, 9 research and/or education projects, 5 professional development projects and 27 producer-led projects. Arizona has also received additional SARE support through multi-state projects.

RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
SW19-904	The utility of plant traits to identify range seeding candidates that can achieve multiple management goals	$342,481	Elise Gornish University of Arizona Dr.Albert Barberan University of Arizona Andrew Brischke University of Arizona Dr.Bradley Butterfield Northern Arizona University Dr.Jeffrey Fehmi University of Arizona Carissa Koopman-Rivers Rivers Red Angus Dr.Laura Lopez-Hoffman University of Arizona Dan Macon University of California Cooperative Extension Dr.Mitch McClaran University of Arizona Mary Miller Elkhorn Ranch Leslie Roche UC Davis George Ruyle University of Arizona
SW05-065	Increased production of inland shrimp farms	$98,024	Feng-Jyu Tang-Nelson University of Arizona
SW01-026	Development of a Sustainable Polyculture Seaweeds and Fish on Molokai	$95,200	Stephen Nelson University of Arizona Environmental Research Lab
SW01-056	Conservation Tillage Benefits in a Cotton Centered Crop Rotation System	$175,277	William McCloskey University of Arizona
SW01-062	Assessing Sustainability of Shrimp Aquaculture and Integration with a Field Crop	$68,523	Kevin Fitzsimmons Univ of AZ Environmental Research Lab
SW00-053	Improving Pollination in the Southwest: Testing the on farm feasibility of establishing and managing the	$32,150	Jim Donovan Native Seeds SEARCH/University of Arizona

	carpenter bee for multiple crop farming systems		
SW98-036	Indian Range Livestock Production in the West and Southwest: Entering, Enduring and Emerging from Drought Conditions	$103,000	Robert Kattnig University of Arizona
SW98-068	Minimum Tillage Systems for Cotton: Reduced Energy, Time, and Particulates	$182,850	Robert Roth University of Arizona Dr.James Walworth University of Arizona
SW97-025	Sustainable Culture of the Edible Red Seaweed, Gracilaria parvispora, in Traditional Hawaiian Fishponds	$95,201	Edward P. Glenn Univ. of AZ, Dept. of Soil, Water & Env. Science

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
EW17-006	Collaborative Training for Southwest Grassland Restoration under Environmental Uncertainty	$71,503	George Ruyle University of Arizona
EW14-002	SOLAR ENERGY TRAINING PROGRAM FOR ARIZONA EXTENSION EDUCATORS	$65,559	Dr.Edward Franklin University of Arizona
EW07-020	“High Tech, High Touch” Professional Development in Geospatial Applications for Invasive Species Management	$60,560	Barron Orr University of Arizona
EW02-010	Striking a Balance: Rangeland Evaluation and Monitoring in the 4-Corners Region	$100,000	Joanna Austin-Manygoats Navajo Nation Department of Agriculture John Blueyes Navajo Nation Department of Agriculture
EW98-007	Navajo Noxious Weed Training Program	$52,542	Wallace Tsosie Navajo Resource Conservation & Development, Inc.

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FW19-342	Wild crop relatives and landrace cover crops for arid-land vineyards	$19,669	Sarah Fox Sand-Reckoner Vineyard
FNC18-1138	Mitigation of Potential Adverse Effects of Transgenic Crop Production for Long-Term Improvement of Soil Health	$7,481	Michael Osweiler MICHAEL OSWEILER
FW17-017	Honey Bee Mating Control and Production Cost Analysis In Africanized Regions Using Instrumental Insemination	$20,000	Jaime de Zubeldia Jaime de Zubeldia
FW17-048	Sustainable Alternative Livestock Feed System for Small-Scale Ranchers	$20,000	Chelise Largent Chelise Largent
FW16-032	Sustainable Water Management in a Passive Irrigation System	$19,660	Aaron Anderson Viking Agriculture LLC
FW14-007	Sustainable Method of Protecting Western Redcedar from Deer Browsing	$15,000	Dr.Andrej Romanovsky

			Tree Fever Farm: Forestland Conservation and Development
FW13-142	Integrating Traditional Foods with Aquaponics in the Desert Southwest	$14,972	Aaron Cardona Arevalos Farm
FW12-068	On-Farm Pollinator Habitat	$25,000	Dr.Gary Nabhan Almuniya de los Zopilotes orchard
FW11-033	Navajo Crop Demonstration Project	$30,000	Ernesto Zamudio Principal Investigator
FW11-017	Agricultural Soil Amendment Project	$14,870	Bill Edwards North Leupp Family Farms Stacey Jensen NLFF
FW10-060	Eastern Navajo Cattle Herd Improvement	$29,992	Anthony Howard Eastern Navajo Cattle Growers
FW09-032	Intensive Cultivation Through Edible Cover Cropping Integrated with Bee Keeping	$14,900	James Golo
FW07-310	Hopi Rangeland Management Series	$14,513	Dennis Becenti
FW05-005	Partnership for Monitoring Rangeland and Riparian Health in Red Rock Canyon Watershed, Santa Cruz County, Arizona	$19,976	Richard Collins Collins C6 Ranch
FW04-113	Ganado Farm Board Agricultural Marketing Study	$15,000	Teresa Showa Ganado Farm Board
FW03-002	EC Bar Ranch Riparian Grazing Management Project	$7,500	James Crosswhite EC Bar Ranch
FW03-104	Wool and Weavings Fair Traded from the Source	$15,000	Carol Halberstadt Black Mesa Weavers for Life and Land
FW02-215	Chinle Valley Navajo Truck Farm Project	$13,500	Gwendolyn Wagner
FW01-066	Fruitvale Community Garden	$2,768	Patricia Vigil
FW00-258	Gila River Farms Fresh Produce Market	$3,750	Mary Thomas
FW00-325	Navajo Corn Pollen, Young Ears of Corn for Knee-Down-Bread, and Neeshjizhi Marketing	$7,740	Teresa Showa
FW00-338	Sustainable Shrimp Farm Tours and	$5,800	Gary Wood

	Direct Sales Project		
FW99-061	Carrying on Dine' Cultural/Traditional Flour Corn Farming: Roots of Dine' People	$5,000	Woodie and Maggie Jodie
FW98-031	Navajo Nation Livestock Disease Survey	$7,000	Glenda Davis
FW96-010	Moving Succession Forward in a Lahmann Lovegrass Monoculture	$3,000	Steve Getzwiller Spear G Ranch
FW96-012	Goal-Driven Intensive Management of a Riparian/Sandy Bottom Site	$4,310	Kali Holtschlag Adams Ranch
FW96-045	Managing Biological Processes for Maximum Diversity and Productivity	$2,500	Mike Mercer

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GW19-196	Shrub Encroachment Early Detection System (SEEDS): a rangeland conservation tool	$24,994	William Rutherford University of Arizona Steven Archer The University of Arizona Dr.Larry Fisher University of Arizona Elise Gornish University of Arizona Patricia King Altar Valley Conservation Alliance Dr.Willem van Leeuwen University of Arizona, Arizona Remote Sensing Center
GW18-131	Empowering producers to effectively integrate chemical and biological controls through research and outreach on selective chemistries and impacts on natural enemies.	$25,000	Isadora Bordini University of Arizona Isadora Carlos Bordini UofA
GW18-024	Ecosystem Services on Shrub-Encroached Rangelands; Balancing Supply and Demand	$25,000	Steven Archer The University of Arizona Scott Jones University of Arizona
GW15-006	Biocrusts, grass establishment, and restoration of working rangelands	$24,934	Steven Archer The University of Arizona Cheryl McIntyre University of Arizona
GW12-064	Enhancing the Potential for Sustainability through Participatory Environmental Assessment	$25,000	Barron Orr University of Arizona Anahi Ocampo Melgar University of Arizona
GW10-004	Assessing Direct and Indirect Interactions between Insect and Plant Pathogens and Their Impact on Insect Herbivores	$24,996	Dr.Patricia Stock Entomology-University of Arizona Patricia Navarro
GW10-015	Agriculture, Water, and Institutions: An Investigation of Water Management	$8,795	John Anderies Arizona State University

	Policy and its Effects on Water Use by Agriculture in Arizona		Haley Paul Arizona State University
GW10-030	Characterization of Soil Fungal Communities Associated with Native and Invasive Grass Species in Southern Arizona	$18,329	Dr.Barry Pryor University of Arizona Carol Rowand University of Arizona Dept. of Plant Sciences
GW10-034	Influences of Society, Politics and Local Knowledge on Ranch Management	$25,000	George Ruyle University of Arizona Steven Woods University of Arizona
GW07-004	Contamination of non-Bt cotton fields by transgenic Bt cotton	$20,000	Yves Carriere University of Arizona Shannon Heuberger University of Arizona
GW07-007	An Environmentally-Friendly Alternative for Control of the Citrus Nematode in Arizona	$19,746	Dr.Patricia Stock Entomology-University of Arizona Joanna Gress University of Arizona

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
OW12-010	Production, Milling and Marketing of Arid-Adapted Heritage Grains in the Desert Borderlands to Increase Food Security	$49,950	Chris Schmidt Native Seeds/SEARCH

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
WSP19-026	2019 Western Professional Development State Program - Arizona	$28,686	Dr.Randy Norton The University of Arizona Rick Gibson University of Arizona Dr.Ed Martin The University of Arizona Dan Pacheco Pacheco Farms Trent Teegerstrom The University of Arizona Dr.Jim Walworth The University of Arizona
WSP17-003	2018 University of Arizona PDP Project	$37,998.54	Rick Gibson University of Arizona

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Total funding from the USDA SARE program to Arizona
$2,260,200

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

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