



AGRICULTURE PROJECTS FUNDED IN ARIZONA

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

Arizona has been awarded \$1,637,387 to support 44 projects, including but not limited to, 8 research and/or education projects, 4 professional development projects and 23 producer-led projects. Arizona has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinator(s):

Rick Gibson
University of Arizona Cooperative Extension
gibsonrd@ag.arizona.edu
(520) 836-5221 Ext: 227

RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
SW05-065	Increased production of inland shrimp farms	\$98,024	Feng-Jyu Tang-Nelson 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
SW01-056	Conservation Tillage Benefits in a Cotton Centered Crop Rotation System	\$175,277	William McCloskey 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
SW00-053	Improving Pollination in the Southwest: Testing the on farm feasibility of establishing and managing the carpenter bee for multiple crop farming systems	\$32,150	Jim Donovan Native Seeds SEARCH/University of Arizona
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
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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
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
FW11-017	Agricultural Soil Amendment Project	\$14,870	Bill Edwards North Leupp Family Farms Stacey Jensen NLFF
FW11-033	Navajo Crop Demonstration Project	\$30,000	Ernesto Zamudio Principal Investigator
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 Direct Sales Project	\$5,800	Gary Wood
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
FW96-012	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
FW96-010	Moving Succession Forward in a Lahmann Lovegrass Monoculture	\$3,000	Steve Getzwiller Spear G Ranch

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GW15-006	Biocrusts, grass establishment, and restoration of working rangelands	\$24,934	Cheryl McIntyre University of Arizona Dr. Steven Archer The University of Arizona
GW12-064	Enhancing the Potential for Sustainability through Participatory Environmental Assessment	\$25,000	Anahi Ocampo Melgar University of Arizona
GW10-015	Agriculture, Water, and Institutions: An Investigation of Water Management Policy and its Effects on Water Use by Agriculture in Arizona	\$8,795	

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
GW10-030	Characterization of Soil Fungal Communities Associated with Native and Invasive Grass Species in Southern Arizona	\$18,329	Carol Rowand University of Arizona Dept. of Plant Sciences Dr.Barry Pryor University of Arizona
GW10-034	Influences of Society, Politics and Local Knowledge on Ranch Management	\$25,000	Wteven Woods 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
GW07-004	Contamination of non-Bt cotton fields by transgenic Bt cotton	\$20,000	Shannon Heuberger University of Arizona

ON-FARM RESEARCH/PARTNER 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

**Total funding from the USDA SARE program to
Arizona
\$1,637,387**



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).