



# AGRICULTURE PROJECTS FUNDED IN NEW MEXICO

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

New Mexico has been awarded \$2,539,652 grants to support 69 projects, including but not limited to, 12 research and/or education projects, 6 professional development projects and 46 producer-led projects. New Mexico has also received additional SARE support through multi-state projects.

## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">SW18-059</a>	On-Farm Investigations of Stale Seedbeds with Biofumigation for Improved Management of Weeds and Soil-Borne Diseases in Chile Pepper	\$131,461	Dr.Brian Schutte New Mexico State University
<a href="#">SW15-015</a>	Implementation of Genetic Selection for Grazing Distribution to Make Cattle Grazing in the Western US More Sustainable	\$271,217	Dr.Derek Bailey New Mexico State University
<a href="#">SW09-041</a>	Winter Production of Leafy Greens in the Southwestern USA using High Tunnels	\$193,879	Dr.Steven Guldán New Mexico State University
<a href="#">SW09-054</a>	Enhancement of Sustainable Livestock Grazing through Selection and Training	\$229,527	Dr.Derek Bailey New Mexico State University
<a href="#">SW07-606</a>	Extending the Grazing Season and Integrating Crops and Livestock to Sustain Small Farms and Ranches in the Southern Rockies	\$7,381	Dr.Steven Guldán New Mexico State University
<a href="#">SW04-144</a>	Southwest Marketing Network: Expanding Markets for Small-Scale Alternative and Minority Farmers and Ranchers	\$124,817	Pamela Roy Farm to Table
<a href="#">SW02-053</a>	Ganados del Valle Family Ranch Sustainability Program	\$70,000	Arlene Valdez Ganados Del Valle; Los Ojos, NM Melinda Salazar Ganados Del Valle; Los Ojos, NM
<a href="#">SW01-004</a>	Field-to-Table Technical Outreach Package for Smaller-Scale Farmers & Ranchers in the Front range	\$48,500	Greg Shultz NewFarms
<a href="#">SW98-060</a>	Acequia Conservation Management	\$49,272	Stephen Reichert Tierra y Montes Soil & Water Cons. District
<a href="#">SW96-027</a>	The Production of New, Existing, and Native Crops Under Conventional and Organic Production Practices in Costilla, New Mexico, García, Colorado, and at Taos Pueblo	\$100,000	Craig Mapel New Mexico Department of Agriculture

<a href="#"><u>SW95-018</u></a>	Extending the Grazing Season and Integrating Crops and Livestock to Sustain Small Farms and Ranches in the Southern Rockies	\$141,602	Dr.Steven Guldán New Mexico State University
<a href="#"><u>LW93-033</u></a>	Development of Sustainable Crop and Livestock Production Systems for Land in the Conservation Reserve Program (CRP)	\$104,000	Rex E. Kirksey New Mexico State University, Agricultural Science Center

#### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#"><u>EW15-011</u></a>	Developing Digital Tools to Improve Soil Sampling and Analysis for Sustainable Agriculture in the Western U.S	\$59,356	Dr.Robert Flynn New Mexico State University
<a href="#"><u>EW13-021</u></a>	A Distance Learning Approach to Whole Farm Planning	\$60,400	Dr.Ann Adams Holistic Management International
<a href="#"><u>EW08-016B</u></a>	Professional Training for Developing a Hands-On Organic Weed Management Learning Center for Commercial Market Gardens in Local Communities	\$47,933.72	Beth LaShell Fort Lewis College
<a href="#"><u>EW04-006</u></a>	Increasing the Effectiveness of Field Agent Response to Producer Requests for Alternative Marketing Assistance	\$95,939	Teresa Mauerer NCAT
<a href="#"><u>EW02-006</u></a>	Here Forever Farm and Ranch Education	\$30,000	Jaime Castillo New Mexico State University
<a href="#"><u>EW95-001</u></a>	Educational Video on Watershed Management Practices for Pinyon-Juniper Ecosystems	\$24,000	Howard Shanks South Central Resource Cons

#### FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#"><u>FW19-357</u></a>	The use of goat herding techniques to reduce the effects of predation while improving rangeland health in the high plains of New Mexico	\$20,000	Emily Cornell Spear J Ranch
<a href="#"><u>FW18-019</u></a>	Provencio Soil Improvement Project	\$19,976	Ed Provencio Ed Provencio
<a href="#"><u>FW18-028</u></a>	Greenhouse Energy Storage & Transfer using Water	\$7,565	Kemper Barkhurst Bluefly Farms, LLC
<a href="#"><u>FW18-023</u></a>	Establishing and Maintaining Mite Resistant Nucleus Colonies for the Sustainable Apiary Using USDA Russian and VSH Queen Bees	\$16,980	John Gagne San Juan Apiaries
<a href="#"><u>FW16-028</u></a>	Passive Solar Herb Drying Project	\$18,999	Dr.Tomas Enos El Milagro Herbs, Inc.
<a href="#"><u>FW16-035</u></a>	A Comparative Study of Shading Systems to Control the Beet Leafhopper and Reduce Beet Curly Top Virus in Heirloom Tomato Fields	\$19,909	Peter Sinanian TomatoCulture LLC

<a href="#">FW15-045</a>	Lavender Intercropping and Soil Management	\$13,665	Kemper Barkhurst Bluefly Farms, LLC
<a href="#">FW15-037</a>	Aerated Compost Tea- Field Guide	\$14,560	Minor Morgan North Valley Organics
<a href="#">FW13-122</a>	Making Roller Crimping a Reality in the Southwest	\$9,155	Dale Rhoads Rhoads Farm Joran Viers New Mexico State University
<a href="#">FW12-039</a>	Distilling Essential Oils from Southwest Medicinal Plants	\$15,000	Dr.Tomas Enos El Milagro Herbs, Inc.
<a href="#">FW12-096</a>	The Rocky Mountain Survivor Queenbee Cooperative	\$25,000	Melanie Kirby Zia Queenbee Co. Julie McIntyre US Fish & Wildlife Service
<a href="#">FW11-021</a>	Trials and Informing Regional Farmers about Organic Weed Control Methods	\$13,163	Dale Rhoads Rhoads Farm
<a href="#">FW11-027</a>	Testing Traditional Methods of Pest Mitigation	\$29,434	Joseph Alfaro Valle Encantado
<a href="#">FW11-030</a>	Pepper (Capsicum annum) Cultivation, Conservation, and Soil Ecology in Low-Input and Certified Organic Agricultural Systems	\$19,585	Loretta Sandoval Owner
<a href="#">FW11-043</a>	Assessment of the Economic Viability of High-Value Greenhouse Production	\$14,743	Margaret C Campos Comida de Campos
<a href="#">FW11-005</a>	Pollinator Forage Development	\$15,000	Heather Harrell For the Love of Bees Les Crowder For the Love of Bees
<a href="#">FW11-018</a>	Cotton Gin By-Products (CGB)/Dairy Manure Composting for Desert Farming	\$13,336	Dr.Robert Woody
<a href="#">FW10-010</a>	Operation of a Subsurface Drip Irrigation (SDI) system under National Organic Plan (NOP) Standards	\$14,560	Minor Morgan North Valley Organics
<a href="#">FW10-038</a>	Restoring Conservation Reserve Program Land to Health and Productivity	\$13,112	Kelly Boney Outlaw Land Improvement Company, Inc
<a href="#">FW09-008</a>	The Use of Two Mesilla Valley, NM Agricultural Byproducts to Create a Needed Organic Material Soil Amendment	\$14,750	Dr.Robert Woody
<a href="#">FW09-041</a>	Camino de Paz Orchard & Berry Research & Education Program	\$15,000	Greg Nussbaum Camino de Paz Farm
<a href="#">FW09-047</a>	La Placita Gardens Composting Research Project	\$15,000	Abino Garcia Mayordomo La Placita Gardens

			Andrea Botero LA PLAZITA INSTITUTE
<a href="#">FW09-049</a>	Organic Weed Control in Perennial Navajo Tea Greenthread	\$15,000	Steve Heil
<a href="#">FW08-004</a>	Manipulating Sandpaper Oak for Livestock and Wildlife Forage and Cover	\$15,000	Cheryl Goodloe Carrizon Valley Ranch Sid Goodloe Carrizon Valley Ranch
<a href="#">FW08-320</a>	Small Acreage Farms Enlisting Organic and Good Agriculture Practices (SAFE O-GAPs),	\$29,750	Nancy Flores New Mexico State University Dr.Nancy Flores new mexico state university
<a href="#">FW07-032</a>	Southwest Survivor Queenbee Project	\$15,000	Melanie Kirby Zia Queenbee Co.
<a href="#">FW06-321</a>	Growing and Marketing Dye Plants as Alternative Crops	\$20,000	Charles Martin New Mexico State University Del Jiminez New Mexico State University
<a href="#">FW05-011</a>	Solar Energy for Sustainable Year-round Production	\$9,683	Don Bustos Santa Cruz Farm
<a href="#">FW02-018</a>	Desert Shrimp	\$12,000	R. Mack Bell
<a href="#">FW01-014</a>	Altenative Crops for the Costilla Valley in New Mexico Adoption, Application, Added Value of Product	\$10,000	Teresa Young NMSU Coop Ext
<a href="#">FW01-036</a>	Regional Producer's Improvement Project for High Quality Eggs and Other Poultry Products	\$10,500	Steve Warshawer Beneficial Farm
<a href="#">FW01-002</a>	Northeast New Mexico Pecan Research	\$2,000	Lem Chesher USDA-ARS
<a href="#">FW00-099</a>	Comparing Irrigation Methods for Organic Wheat Production	\$10,000	Lonnie Roybal Sangre de Cristo Growers Coop.
<a href="#">FW99-008</a>	Passive Solar Greenhouse Construction and Growing Trial	\$5,000	Cathy Hope
<a href="#">FW99-044</a>	Verification of Bat Predation of Pests on a 60,000 Acre Irrigated Farm	\$4,000	James Dangler
<a href="#">FW99-078</a>	A Temporary Step to a Permanent Solution: Use of Strawbales to Construct a Wind Barrier and System of Terrace Planting Beds	\$1,760	Fatou Gueye
<a href="#">FW98-019</a>	Using a Cultivable Catchment System to Establish a Dryland Commercial Truck Farm	\$2,700	John Leaf

<a href="#">FW98-030</a>	Permanent Irrigated Pasture Demonstration Project Reducing Irrigation Water Use	\$3,100	Milford Denetclaw
<a href="#">FW98-032</a>	The Sustainable Use of Cover Crops in an Annual Vegetable Production System in Northern New Mexico	\$4,289	Don Bustos Santa Cruz Farm
<a href="#">FW97-042</a>	Value Added Wheat Production	\$3,500	Tom Seibel
<a href="#">FW97-057</a>	Limiting Gopher Deprivation By Time-Control Livestock Grazing	\$3,500	Matt Schneberger
<a href="#">FW96-001</a>	Increasing the Value of Irrigated Pastures	\$4,200	Darrell Baker
<a href="#">FW96-046</a>	Test Plot Demonstration for Organically Produced Small Grains, Phase II	\$5,000	Lonnie Roybal Sangre de Cristo Growers Coop.
<a href="#">FW95-003</a>	Test Plot Demonstration for Organically Produced Small Grains, Phase I	\$5,000	Lonnie Roybal Sangre de Cristo Growers Coop.
<a href="#">FW95-007</a>	Municipal Sludge and Legumes as Soil Builders	\$4,290	Pete Tatschl
<a href="#">FW95-017</a>	Gila Permitees Association Elk Study	\$5,000	Matt Schneberger

#### ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">OW19-341</a>	Evaluation of water and feed intake of purebred cattle in confinement and on arid rangelands, and its implications on selection principles	\$49,958	Dr.Marcy Ward New Mexico State University Dr.Craig Gifford New Mexico State University Roy Hartzog Hartzog Angus Cattle John Heckendorn J-C Angus Tim Lust Lust Angus Howard McCall McCall Land & Cattle Co. Mitzi Miller Miller Angus Kyra Monzingo Cornerstone Ranch Inc. Dr.Samuel Smallidge New Mexico State University Donald Walker Walker Angus
<a href="#">OW18-034</a>	Pairing Groundwater and Climate Data to Inform Sustainable Ranch Management in Uncertain Times	\$49,995	Amy Ganguli New Mexico State University
<a href="#">OW12-024</a>	The Rocky Mountain Survivor	\$25,000	Melanie Kirby

**PDP STATE PROGRAM GRANTS**

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#"><u>WSP19-032</u></a>	2020 Implementation of WSARE Professional Development Program Plan for New Mexico	\$28,686	Stephanie Walker New Mexico State University
<a href="#"><u>WSP17-012</u></a>	2018 New Mexico State University PDP Project	\$37,964	Omololu John Idowu New Mexico State University Stephanie Walker New Mexico State University

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**Total funding from the USDA SARE program to  
New Mexico  
\$2,539,652**

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

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