

## What is SARE?

Since 1988, the Sustainable Agriculture Research & Education (SARE) program has been the go-to USDA grants and outreach program for farmers, ranchers, researchers and educators who want to develop innovations that improve farm profitability, protect water and land, and revitalize communities. To date, SARE has awarded over \$406 million to more than 8,803 initiatives.

### SARE is grassroots with far-reaching impact

Four regional councils of expert practitioners set priorities and make grants in every state and island protectorate.

### SARE communicates results

SARE shares project results by requiring grantees to conduct outreach and grower engagement; and by maintaining an online library of practical publications, grantee-produced information products and other educational materials.



[www.sare.org](http://www.sare.org)

# SARE: Advancing the Frontier of Sustainable Agriculture in... **Nevada**

## Project Highlight: *Gaining a Better Understanding of Ag Complexities on Reservations*

In the United States, more than one in three farms benefits from a range of direct payments by the federal government, according to USDA statistics. But when it comes to farms operated by American Indians, that figure plummets to nearly one in 10.

Missing out on these programs is one glaring example of how USDA professionals have long struggled to serve agricultural producers on American Indian reservations. And it is one reason why University of Nevada Cooperative Extension Educators Loretta Singletary and Staci Emm used a SARE grant to develop a broad-based curriculum that helps USDA service providers in four western states understand the unique needs and complexities of agriculture on reservations.

Reception to the 178-page teaching guide, called *People of the Land*, has been so positive that USDA agencies and state departments of agriculture in Idaho, Nevada, Oregon and Washington have begun adopting it, and its authors have had to print a second run. To develop the curriculum, Emm and Singletary started by assessing the agricultural needs of American Indians on the 10 largest reservations in their four-state region, and by speaking with the agricultural professionals who serve them. Their work also earned them the 2011 National Extension Diversity Award.

For more information on this project, see [sare.org/projects](http://sare.org/projects), and search for project number [EW11-006](#).

## SARE in Nevada

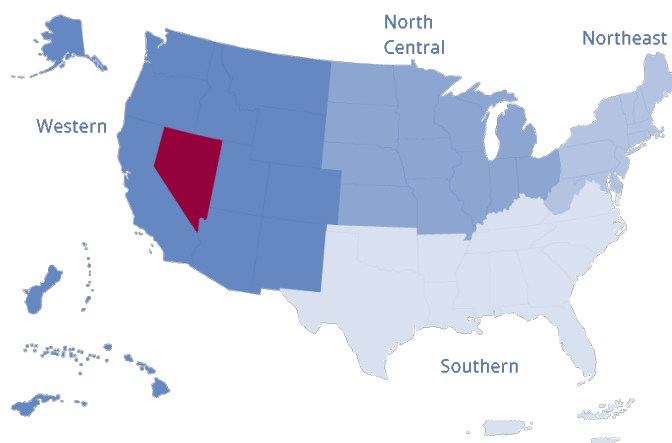
[western.sare.org/state-profiles/nevada/](http://western.sare.org/state-profiles/nevada/)

**\$524,585**  
**in total funding**

**3 grant project**

(since 1988)

For a complete list of grant projects state by state, go to [www.sare.org/state-summaries](http://www.sare.org/state-summaries)



# SARE in Nevada

---

## Grants awarded 2019-2024

Total awards: **3 grants**

- 1 Research and Education
- 2 Research to Grass Roots

Total funding: **\$524,585**

\$349,825 Research and Education  
\$174,760 Research to Grass Roots

Find a complete list of projects on page 3.

## Farmer and rancher impacts 2019-2024

SARE grantees have reported the following impacts from their projects:

**917 farmers participated in a SARE-funded project**



Learn about local impacts at:  
[western.sare.org/sare-in-your-state/nevada/](https://western.sare.org/sare-in-your-state/nevada/)

---

## Contact Your SARE State Coordinator

---

SARE sustainable ag coordinators run state-level educational programs for Extension and other ag professionals, and many help grant applicants and recipients with planning and outreach. Visit [western.sare.org/state-profiles/nevada/](https://western.sare.org/state-profiles/nevada/) to learn more.

Holly Gatzke  
University of Nevada Cooperative Extension  
(775) 784-4848  
[gatzkeh@unr.edu](mailto:gatzkeh@unr.edu)



For detailed information on SARE projects, go to  
**[www.SARE.org](https://www.SARE.org)**

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

This report includes summaries of competitive grant programs only. Some competitive grant programs that are no longer offered may be included or excluded from the totals in this report depending on the grant program and SARE region.



# AGRICULTURE PROJECTS FUNDED IN NEVADA

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

Nevada has been awarded \$1,209,926 grants to support 17 projects, including but not limited to, 2 research and/or education projects, 8 professional development projects and 5 producer-led projects. Nevada has also received additional SARE support through multi-state projects.

## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
SW20-918	Nevada-Grown Melons: Enhancing production and adoption through novel management techniques	\$349,825	Felipe Barrios Masias University of Nevada, Reno Heidi Kratsch University of Nevada Cooperative Extension Bindu Poudel-Ward University of Arizona
SW02-030	Application of Parentage Testing by DNA on Western Ranges with Large Beef Herds	\$23,014	Ben Bruce Department of Animal Biotechnology

## RESEARCH TO GRASS ROOTS GRANTS

Project #	Project Title	SARE Support	Project Leaders
WRGR23-005	Nevada Climate-Smart Agriculture Educational Program	\$99,860	Staci Emm University of Nevada Cooperative Extension Carol Bishop University of Nevada, Reno Extension Lindsay Chichester University of Nevada, Reno Extension Gary McCuin University of Nevada, Reno Extension
WRGR22-005	Sustainable Agricultural Workshops for Land Managers	\$74,900	Agee Smith Cottonwood Ranch LLC Gerald Miller State of Nevada Department of Conservation and Natural Resources Agee Smith Cottonwood Ranch LLC

## PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE Support	Project Leaders
EW17-025	Grazing Strategy Indices for Range Quality Assurance	\$42,369	Sherman Swanson University of Nevada Cooperative Extension

EW11-006	People of the Land II: Sustaining Agriculture on American Indian Lands in the Four-Corners Region	\$71,057	Staci Emm University of Nevada Cooperative Extension
EW08-019	Developing an Educational Program on Preventing Noxious Weed Invasion on Farms and Ranches in Nevada and Utah	\$51,878	Jason Davison University of Nevada Cooperative Extension Earl Creech University of Nevada Cooperative Extension Dr.Earl Creech Utah State University
EW06-001	Living on the Land Curriculum Expansion and Instructor Trainings	\$93,365	Susan Donaldson University of Nevada Cooperative Extension
EW05-005	Strengthening Sustainable Agriculture Programming with Native American Producers in the West	\$90,000	Dr.LORETTA SINGLETARY University of Nevada Reno Extension Staci Emm University of Nevada Cooperative Extension
EW04-004	Developing a Handbook for Utilizing Livestock as a Tool in Noxious Weed Control in Nine Western States	\$90,133	Jason Davison University of Nevada Cooperative Extension
EW99-003	Living on the Land: Teaching Small Acreage Owners to Conserve Their Natural Resources	\$80,400	Susan Donaldson University of Nevada Cooperative Extension
EW95-008	Sustainable Integrated Range Livestock - Crop Production Systems	\$106,720	Ben Bruce Department of Animal Biotechnology

#### FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
FW11-011	Great Basin Fresh Market Tomato Trial	\$9,205	Rick Lattin Lattin Farms LLC
FW10-048	Improving intake on big sagebrush by cattle in Fall and Winter to reduce feed costs and improve biodiversity and productivity in the sagebrush steppe	\$15,000	Agee Smith Cottonwood Ranch LLC
FW04-207	Windbreak Improvement of Nevada Organic Fields	\$7,100	Roger Gehring

FW04-031	Penstemon Seed Production and Stand Establishment	\$2,100	Edith Isidro-Mills
FW99-095	Alfalfa: Can It Be A Viable Grazing Forage?	\$3,000	Tom Filbin

---

**Total funding from the USDA SARE program to  
Nevada  
\$1,209,926**

---



For further information on projects, contact Western SARE at (406) 994-4785 or [wsare@montana.edu](mailto:wsare@montana.edu).

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