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 $389 million to more than 8,519 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, granteeproduced information products and other educational materials.

SARE in Nevada

western.sare.org/sare-in-your-state/nevada

$1,209,926 in total funding

19 grant projects

(since 1988)

For a complete list of grant projects state by state, go to www.sare.org/state-summaries

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, and search for project number EW11-006.
SARE Grants in Nevada

Total awards: **19 grants**
- 4 Research and Education
- 8 Professional Development Program
- 5 Farmer/Rancher
- 2 Research to Grass Roots

Total funding: **$1,209,926**
- **$372,839** Research and Education
- **$625,922** Professional Development Program
- **$36,405** Farmer/Rancher
- **$174,760** Research to Grass Roots

Find a complete list of projects on page 3.

SARE's Impact

53 percent of producers report using a new production technique after reading a SARE publication.

79 percent of producers said they improved soil quality through their SARE project.

64 percent of producers said their SARE project helped them achieve higher sales.

Learn about local impacts at: 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-pages/nevada to learn more.

Stephen Foster
University of Nevada
(775) 273-2923
ssfoster@unr.edu

For detailed information on SARE projects, go to 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.
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

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| 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

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| 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

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| 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 |
Strengthening Sustainable Agriculture Programming with Native American Producers in the West

Dr. LORETTA SINGLETARY
University of Nevada Reno Extension
Staci Emm
University of Nevada Cooperative Extension

$90,000

Developing a Handbook for Utilizing Livestock as a Tool in Noxious Weed Control in Nine Western States

Jason Davison
University of Nevada Cooperative Extension

$90,133

Living on the Land: Teaching Small Acreage Owners to Conserve Their Natural Resources

Susan Donaldson
University of Nevada Cooperative Extension

$80,400

Sustainable Integrated Range Livestock - Crop Production Systems

Ben Bruce
Department of Animal Biotechnology

$106,720

**FARMER/RANCHER GRANTS**

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW11-011</td>
<td>Great Basin Fresh Market Tomato Trial</td>
<td>$9,205</td>
<td>Rick Lattin, Lattin Farms LLC</td>
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<tr>
<td>FW10-048</td>
<td>Improving intake on big sagebrush by cattle in Fall and Winter to reduce feed costs and improve biodiversity and productivity in the sagebrush steppe</td>
<td>$15,000</td>
<td>Agee Smith, Cottonwood Ranch LLC</td>
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<td>FW04-207</td>
<td>Windbreak Improvement of Nevada Organic Fields</td>
<td>$7,100</td>
<td>Roger Gehring</td>
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<tr>
<td>FW04-031</td>
<td>Penstemon Seed Production and Stand Establishment</td>
<td>$2,100</td>
<td>Edith Isidro-Mills</td>
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<tr>
<td>FW99-095</td>
<td>Alfalfa: Can It Be A Viable Grazing Forage?</td>
<td>$3,000</td>
<td>Tom Filbin</td>
</tr>
</tbody>
</table>

**Total funding from the USDA SARE program to Nevada**

$1,209,926

For further information on projects, contact Western SARE at (406) 994-4789 or wsare@montana.edu.

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