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 in Nevada

western.sare.org/state-profiles/nevada/

$349,825 in total funding

1 grant project (since 1988)

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

Grants awarded
2019–2024

Total awards: 1 grant

1 Research and Education

Total funding: $349,825

$349,825 Research and Education

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:

949 farmers participated in a SARE-funded project

10 farmers reported a change in knowledge, awareness, skills or attitude

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-profiles/nevada/ to learn more.

Holly Gatzke
University of Nevada Cooperative Extension
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gatzkeh@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 $1,035,166 grants to support 15 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 |

### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
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</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 |
| 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 |
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<tr>
<td>EW04-004</td>
<td>Developing a Handbook for Utilizing Livestock as a Tool in Noxious Weed Control in Nine Western States</td>
<td>$90,133</td>
<td>Jason Davison</td>
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<td>University of Nevada Cooperative Extension</td>
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<td>EW99-003</td>
<td>Living on the Land: Teaching Small Acreage Owners to Conserve Their Natural Resources</td>
<td>$80,400</td>
<td>Susan Donaldson</td>
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<td>University of Nevada Cooperative Extension</td>
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<td>EW95-008</td>
<td>Sustainable Integrated Range Livestock - Crop Production Systems</td>
<td>$106,720</td>
<td>Ben Bruce</td>
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<td>Department of Animal Biotechnology</td>
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### FARMER/RANCHER GRANTS

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<tbody>
<tr>
<td>FW11-011</td>
<td>Great Basin Fresh Market Tomato Trial</td>
<td>$9,205</td>
<td>Rick Lattin</td>
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<td>Lattin Farms LLC</td>
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<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</td>
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<td>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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<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>
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Total funding from the USDA SARE program to Nevada

$1,035,166

For further information on projects, contact Western SARE at (406) 994-4785 or wsare@montana.edu.
Sustainable Agriculture Research and Education (SARE) is funded by USDA’s National Institute of Food and Agriculture (NIFA).