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 8,542 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.

SARE: Advancing the Frontier of Sustainable Agriculture in...

Idaho

Project Highlight: High Tunnels Extend Local Food Production

In 2010, Idaho’s farmers, researchers and educators launched a collaborative effort to achieve the goal of having 20 percent of the state’s food produced locally by 2020. At the same time, a survey of local food vendors revealed that the single largest roadblock to making this goal a reality is Idaho’s short growing season.

This prompted the University of Idaho’s Stephen Love to organize a team of horticulture specialists to expand farmers’ use of high tunnels in the state. Funded by a SARE grant, the team collaborated with three experienced high tunnel growers in different parts of the state to evaluate high tunnel designs and the profitability of growing various crops in them.

The experience at the three farms gave the team important information to share with growers around the state. On one farm, eggplants grown inside the tunnels were superior economically to ones grown outside, but for cucumbers the results were mixed. On another farm, there was a clear advantage to growing tomatoes, garlic and peppers in high tunnels. The third farm showed that medicinal crops otherwise unsuited to Idaho’s climate can be grown in high tunnels. It also evaluated structures specially designed by engineering students to withstand harsh winter conditions.

For more information on this project, see sare.org/projects, and search for project number OW13-043.

SARE in Idaho

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

$5,744,533 in total funding

80 grant projects

(since 1988)

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

Total awards: 80 grants
- 27 Research and Education
- 10 Professional Development Program
- 33 Farmer/Rancher
- 5 On Farm Research/Partnership
- 5 Graduate Student

Total funding: $5,744,533
- $4,323,362 Research and Education
- $739,754 Professional Development Program
- $226,960 Farmer/Rancher
- $139,900 On Farm Research/Partnership
- $139,900 Graduate Student

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/idaho

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/idaho to learn more.

Grant Loomis
University of Idaho Extension
(208) 788-5585
gloomis@uidaho.edu

Carmen Willmore
University of Idaho Extension
(208) 886-2406
cwillmore@uidaho.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.
Idaho has been awarded $5,744,533 grants to support 77 projects, including but not limited to, 24 research and/or education projects, 10 professional development projects and 33 producer-led projects. Idaho 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>
<tbody>
<tr>
<td>SW23-946</td>
<td>Evaluating benefits of neonatal calf gut-originated probiotics, as direct-fed</td>
<td>$349,875</td>
<td>Dr. Denise Konetchy, DVM University of Idaho</td>
</tr>
<tr>
<td></td>
<td>(DFMs), during the weaning transition to improve calf health</td>
<td></td>
<td>Dr. Amin Ahmadzadeh, PhD University of Idaho</td>
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<td></td>
<td></td>
<td></td>
<td>Dr. Bruna Calvo Agustinho, PhD University of Idaho</td>
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<td></td>
<td></td>
<td></td>
<td>Dr. Leluo Guan, PhD University of Alberta</td>
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<td></td>
<td></td>
<td></td>
<td>Dr. Anne Laarman, PhD University of Alberta</td>
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<td></td>
<td></td>
<td></td>
<td>Pedram Rezamand University of Idaho</td>
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<td></td>
<td></td>
<td></td>
<td>Dr. Hernan Tejeda University of Idaho</td>
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<tr>
<td>SW23-944</td>
<td>Seeds underhoof: can the soil seed bank facilitate restoration of sheep-grazed</td>
<td>$71,104</td>
<td>Dr. Kelly Hopping Boise State University</td>
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<td></td>
<td>cheatgrass-invaded rangelands?</td>
<td></td>
<td>Kerry Byrne Department of Environmental Science and Management, Cal Poly Hum</td>
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<tr>
<td>SW22-938</td>
<td>Targeted grazing by sheep to control invasive species and reduce wildfire</td>
<td>$349,815</td>
<td>Dr. Kelly Hopping Boise State University</td>
</tr>
<tr>
<td></td>
<td>risk on western rangelands</td>
<td></td>
<td>Sergio Arispe, PhD Oregon State University</td>
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<td></td>
<td></td>
<td></td>
<td>Marie-Anne de Graaff Boise State University</td>
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<td></td>
<td>April Hulet Brigham Young University</td>
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<td></td>
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<td></td>
<td>Renee Kehler U. S. Forest Service</td>
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<tr>
<td>Grant Number</td>
<td>Project Title</td>
<td>Funding</td>
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<tr>
<td>SW22-940</td>
<td>Pacific Northwest Cover Crop Decision Aid System</td>
<td>$349,697</td>
<td>Dr. Sanford Eigenbrode&lt;br&gt;University of Idaho&lt;br&gt;Kendall Kahl&lt;br&gt;University of Idaho - Soil and Water Systems&lt;br&gt;Dr. Subodh Adhikari&lt;br&gt;University of Idaho&lt;br&gt;Ryan Boylan&lt;br&gt;Palouse Conservation District&lt;br&gt;Tracy Ericksen&lt;br&gt;The Eriksens&lt;br&gt;Garry Esser&lt;br&gt;Esser Farms&lt;br&gt;Dr. Douglas Finkelnburg&lt;br&gt;University of Idaho&lt;br&gt;Mark Greene&lt;br&gt;Sheryl Hagen-Zacharison&lt;br&gt;Zacharison Farm&lt;br&gt;Dr. Patrick Hatzenbuehler&lt;br&gt;University of Idaho&lt;br&gt;Lucas Sheneman&lt;br&gt;University of Idaho&lt;br&gt;Chloe Wardropper&lt;br&gt;University of Idaho&lt;br&gt;Frank Wolf&lt;br&gt;Lester Wolf Farms&lt;br&gt;Clint Zenner&lt;br&gt;Zenner Family Farm</td>
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<tr>
<td>SW21-922</td>
<td>Soil health and profitability implications of including brown mustard and its products in an integrated wireworm management system</td>
<td>$349,919</td>
<td>Dr. Kurtis Schroeder&lt;br&gt;University of Idaho&lt;br&gt;Dr. Arash Rashed&lt;br&gt;University of Idaho&lt;br&gt;Dr. Erik Wenninger&lt;br&gt;University of Idaho&lt;br&gt;Dr. Jae Ryu&lt;br&gt;University of Idaho&lt;br&gt;Gordon Gallup&lt;br&gt;Mark Greene&lt;br&gt;Dr. Jeremy Hansen&lt;br&gt;USDA-ARS&lt;br&gt;Dr. Patrick Hatzenbuehler&lt;br&gt;University of Idaho&lt;br&gt;Hans Hayden&lt;br&gt;Dr. Inna Popova&lt;br&gt;University of Idaho&lt;br&gt;Wayne Westberg</td>
</tr>
<tr>
<td>SW18-015</td>
<td>On-farm evaluation and demonstration of advanced manure solid-liquid separation technologies for a sustainable dairy industry in Idaho</td>
<td>$287,466</td>
<td>Dr. Lide Chen&lt;br&gt;University of Idaho</td>
</tr>
<tr>
<td>SW16-031</td>
<td>Optimizing Water and Nitrogen Use for Sustainable Wheat Production</td>
<td>$249,939</td>
<td>Dr. Olga Walsh&lt;br&gt;University of Idaho</td>
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<td>SW11-122</td>
<td>Incorporating Cover Crops and Green Manure in High-Desert Organic and Conventional Farming Systems</td>
<td>$47,628</td>
<td>Lauren Golden&lt;br&gt;University of Idaho</td>
</tr>
<tr>
<td>SW06-083</td>
<td>Black Soldier Fly Larvae as a Tool for Managing Animal Waste and Providing a Food Source for the Aquaculture Industry</td>
<td>$117,682</td>
<td>Sophie St-Hilaire&lt;br&gt;Idaho State University</td>
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<tr>
<td>SW06-039</td>
<td>‘Living on the Land’ Stewardship Education Program Expansion</td>
<td>$160,204</td>
<td>Stephanie Etter&lt;br&gt;University of Idaho Extension</td>
</tr>
<tr>
<td>Project #</td>
<td>Project Title</td>
<td>SARE Support</td>
<td>Project Leaders</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>------------------------------------------------------</td>
</tr>
</tbody>
</table>
| SW05-142 | Assessment and Demonstration of the Sustainability of Long vs. Short Potato Rotations | $135,756     | Amanda Shiffler  
University of Idaho  
Dr. Bryan Hopkins  
BYU |
| SW05-067 | Assessment and Demonstration of the Sustainability of Long vs. Short Potato Rotations | $179,403     | Bryan Hopkins  
University of Idaho |
| SW05-039 | Using farmer-rancher input to develop and implement experiential educational opportunities for beginning farmers and ranchers | $160,056     | Cinda Williams  
University of Idaho Extension |
| SW03-021 | Integrated Residue Management Systems for Sustained Seed Yield of Kentucky Bluegrass Without Burning | $294,243     | Donald Thill  
University of Idaho |
| SW02-037 | Promoting Sustainable Potato Cropping Systems                                 | $158,477     | Bryan Hopkins  
University of Idaho |
| SW02-038 | On-Farm Versus Agricultural Experiment Station Evaluation and Improvement of Intrinsic Characteristics of Landrace Common Bean Cultivars for Sustainable Farming Systems in the Twenty-First Century | $167,717     | Shree Singh  
University of Idaho |
| SW02-004 | Reducing Nitrogen and Phosphorus Excretions from Dairies in Gooding and Jerome Counties, Idaho | $145,672     | Alexander Hristov  
University of Idaho |
| SW00-042 | Exploration and Implementation of Sustainable Ag Practices and Outreach on the Fort Hall Indian Reservation for the Protection of Groundwater | $103,913     | Jennifer Miller  
NCAP  
John Helsel  
Shoshone-Bannock Tribes |
| SW97-010 | Management, Impact and Economics of Beef Cattle Grazing in Mountain Riparian Ecosystems | $105,400     | Patrick A. Momont  
Univ. of ID, Dept. of Animal & Vet. Sci. |
| SW95-021 | Brassica Green Manure Systems for Weed, Nematode, and Disease Control in Potatoes | $112,580     | Charlotte Eberlein  
University of Idaho |
| LW91-027 | Development of Winter Wheat Cover Crop Systems for Weed Control in Potatoes | $42,141      | Charlotte Eberlein  
University of Idaho |
| LW91-029 | Development of Sustainable Potato Production Systems for the Pacific North West | $330,000     | Jeffrey C. Stark  
University of Idaho |
| LWD91-002 | An Economic Evaluation of the MSU Crop Rotations On-Farm Research, Demonstration Legume, Cereal Rotations Compared with Conventional Rotations | $23,675      | Edgar Michalson  
University of Idaho |
| LW89-015 | Total Resource Budgeting of LISA (SARE) Farm Enterprises | $31,000      | Paul Patterson  
University of Idaho |
**WPDP22-017**  Building Negotiation Knowledge and Skills for Enhanced Economic and Environmental Sustainability of Western Farm Businesses  

Dr. Patrick Hatzenbuehler  
University of Idaho  
John Hewlett  
University of Wyoming, Department of Agricultural Economics  
Dr. Hernan Tejeda  
University of Idaho  
Joel Schumacher  
Montana State University

**WPDP22-005**  Enhancing Integrated Pest Management Skills Through Pest Friends, an Educational Board Game  

Jason Thomas  
University of Idaho Extension Minidoka County  
Grant Loomis  
University of Idaho Extension-Blaine County

**EW18-018**  Supporting outcome-based management on private & public rangelands: training agricultural professionals on monitoring techniques  

Dr. Jason Karl  
University of Idaho

**EW18-028**  Idaho Qualitative Soil Health Initiative and Training  

Jessica Harrold  
Ada Soil & Water Conservation District  
Josie Erskine  
Ada Soil & Water Conservation District

**EW05-012**  Forage and Pasture Educational Program for Extension, FSA, and NRCS in the Pacific Northwest  

Glenn Shewmaker  
University of Idaho

**EW04-014**  Building Knowledge of Sustainable Rangeland Management Using Information Technology  

Karen Launchbaugh  
University of Idaho

**EW03-009**  Expanding Opportunities for Community-Based Educational Programs in Sustainable Small Acreage Farming and Ranching  

Cinda Williams  
University of Idaho Extension

**EW02-011**  Workshops on Soil Quality Assessment and Application for Field Staff  

Paula Jones  
USDA-NRCS, Three Rivers RC&D Council, Inc.

**EW99-013**  A Community Based Approach to Extension In Organic Agriculture  

Mir M. Seyedbagheri  
University of Idaho, Elmore County Extension

**EW97-012**  Composting Education and Information Access for Western Agriculture  

Cinda Williams  
University of Idaho Extension  
Robert Rynk  
University of Idaho

### FARMER/RANCHER GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| FW22-407 | Building a holistic, biologically rich, healthy vineyard in order to produce a wine with higher nutrient density and superb flavor | $24,850      | Ron Bitner, Phd  
Bitner Vineyards |
| FW22-393 | Cardboard layering deep compost mulch for weed suppression, soil health, and profitability | $24,920      | Jonah Sloven  
Sweet Hollow Farm |
| FW17-039 | Saving Water and Improving Soil Health Through LESA, Cover Crops, No-Till, and Management Intensive Grazing | $20,000      | Pat Purdy  
Pat Purdy |
| FW17-055 | No-till potatoes into cover crop, using mod. conv. planter                  | $20,000      | Jeff Parkinson  
Jeff Parkinson |
<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Title</th>
<th>Funding</th>
<th>Principal Investigator(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW16-042</td>
<td>A Rangeland Stock Handling Concept: Inherding on the Hat Creek Grazing Allotment, Ellis Idaho</td>
<td>$19,423</td>
<td>Glenn Elzinga Alderspring Ranch</td>
</tr>
<tr>
<td>FW11-032</td>
<td>Goat Meat is Great!</td>
<td>$7,799</td>
<td>Evelyn Simon Simon Boers</td>
</tr>
<tr>
<td>FW10-039</td>
<td>Pokey Creek Farm Elderberry Exploration</td>
<td>$14,877</td>
<td>Cinda Williams University of Idaho Extension Greg and Leah Sempel Ashley McFarland University of Idaho Extension</td>
</tr>
<tr>
<td>FW08-031</td>
<td>What Good Are Pasture-Raised Ducks to Whole Farm Systems?</td>
<td>$14,942</td>
<td>Mary Rohlfing</td>
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<tr>
<td>FW08-318</td>
<td>IBC Technical Services to Farmer's/Ranchers for Online Markets in South Central Idaho</td>
<td>$29,997</td>
<td>Judy Hall Idaho’s Bounty Co-op</td>
</tr>
<tr>
<td>FW08-322</td>
<td>A Multi-Faceted Approach to Managing Powdery Mildew on Organic Table Grapes in Southwest Idaho</td>
<td>$15,000</td>
<td>Ariel Agenbroad University of Idaho Extension</td>
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<tr>
<td>FW06-015</td>
<td>Extending Forage Season with Multi-functional Browse Islands</td>
<td>$8,560</td>
<td>Juvia Judd Lazy M Suris Deborah Berman Lazy M Suris</td>
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<tr>
<td>FW06-036</td>
<td>Winter and Summer Greenhouse Production for Small-scale Growers</td>
<td>$6,235</td>
<td>Brad Jaeckel Orchard Farm</td>
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<tr>
<td>FW06-042</td>
<td>Harvest Frequency, Yield and Economics of Summer Squash</td>
<td>$4,730</td>
<td>Karen Strickler</td>
</tr>
<tr>
<td>FW05-007</td>
<td>Controlling Common Tansy with Sheep</td>
<td>$3,422</td>
<td>Kimberly McConnaghy</td>
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<tr>
<td>FW04-203</td>
<td>Optimizing Spatial &amp; Temporal Aspects of Designs for Small-Scale Diverse Farms</td>
<td>$5,500</td>
<td>Bridget Betta Bunzel Organics</td>
</tr>
<tr>
<td>FW03-307</td>
<td>Ovine Browsing for Brush Control of Forested Environments</td>
<td>$7,500</td>
<td>Jeff Nauman Idaho Department of Lands</td>
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<tr>
<td>FW01-025</td>
<td>Developing a Sustainable Market for Small Farms in a Rural Community</td>
<td>$7,385</td>
<td>Diane Green Grentree Naturals</td>
</tr>
<tr>
<td>FW01-039</td>
<td>Noxious Weed Grazing with Goats</td>
<td>$7,000</td>
<td>Bonnie Jensen Lemhi County Ext.</td>
</tr>
<tr>
<td>FW01-056</td>
<td>Farmers Educating Farmers: Developing a Soil Quality Indicator Guide</td>
<td>$10,500</td>
<td>Kyle Wilson Natural Resource Conservation Agency</td>
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<tr>
<td>FW00-259</td>
<td>The Farm to Fork Exchange</td>
<td>$4,625</td>
<td>Nate Jones</td>
</tr>
<tr>
<td>FW00-052</td>
<td>Low Stress Stockmanship School for Lemhi County, ID</td>
<td>$5,450</td>
<td>Wally Butler</td>
</tr>
</tbody>
</table>
### On-Site Rearing of Beneficial Predatory Mite Species

**Project #** FW99-076  
**Title** On-Site Rearing of Beneficial Predatory Mite Species  
**SARE Support** $4,200  
**Project Leader** Richard Nathanson

### Automated On-Farm Irrigation Water Diversion Gate

**Project #** FW99-012  
**Title** Automated On-Farm Irrigation Water Diversion Gate  
**SARE Support** $3,890  
**Project Leader** George Davis

### Wiersema Dairy Agroforestry Project

**Project #** FW98-099  
**Title** Wiersema Dairy Agroforestry Project  
**SARE Support** $5,000  
**Project Leader** Jim Wiersema

### Fear and Loathing in the Potato Patch: Controlling Nematodes with Rape Seed Meal and Green Manures

**Project #** FW98-097  
**Title** Fear and Loathing in the Potato Patch: Controlling Nematodes with Rape Seed Meal and Green Manures  
**SARE Support** $9,910  
**Project Leader** John O'Connor

### Non-Irrigated Alfalfa Performance Trial, Benewah County, Idaho

**Project #** FW97-049  
**Title** Non-Irrigated Alfalfa Performance Trial, Benewah County, Idaho  
**SARE Support** $3,500  
**Project Leader** Christina Crawford

### Systems Thinking in a Range Environment

**Project #** FW97-024  
**Title** Systems Thinking in a Range Environment  
**SARE Support** $5,000  
**Project Leader** Jay Black

### Paradise Time Controlled Grazing

**Project #** FW97-044  
**Title** Paradise Time Controlled Grazing  
**SARE Support** $5,000  
**Project Leader** Mark Pratt

### Economic Viability of Greenhouse Solarization

**Project #** FW96-060  
**Title** Economic Viability of Greenhouse Solarization  
**SARE Support** $2,450  
**Project Leader** Larry Higgins

### Developing an Idaho-Based Marketing Cooperative for Sustainability and Locally Grown Produce

**Project #** FW95-046  
**Title** Developing an Idaho-Based Marketing Cooperative for Sustainability and Locally Grown Produce  
**SARE Support** $4,622  
**Project Leaders** Janie Burns, Meowlark Farms

### Squash Bug Management Through Introduction of Game Birds

**Project #** FW95-080  
**Title** Squash Bug Management Through Introduction of Game Birds  
**SARE Support** $2,740  
**Project Leader** Jill Kohler, Eagle Organic Farms

### Row Spacing Effect on Weed Suppression

**Project #** FW95-034  
**Title** Row Spacing Effect on Weed Suppression  
**SARE Support** $530  
**Project Leader** Lee Griffiths

### Biological Control in Idaho Alfalfa Seed Fields

**Project #** FW95-025  
**Title** Biological Control in Idaho Alfalfa Seed Fields  
**SARE Support** $5,000  
**Project Leaders** Larry Sorenson, Sorenson Farms

### GRADUATE STUDENT GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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<tbody>
<tr>
<td>GW23-250</td>
<td>Cereal Cover Crops for Weed Control in Organic and Conventional Dry Bean Production Systems</td>
<td>$30,000</td>
<td>Albert Adjesiow, University of Idaho, Prayusha Bhattarai, University of Idaho</td>
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<tr>
<td>GW23-256</td>
<td>Nematicide Development from Solanum sisymbriifolium for Sustainable Eradication of Globodera pallida in Idaho</td>
<td>$29,943</td>
<td>Louise-Marie Dandurand, University of Idaho, Lindsay Schulz, University of Idaho</td>
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<tr>
<td>GW21-222</td>
<td>Trap Crops and Crop Rotation for Eradication of the Pale Cyst Nematode in Idaho</td>
<td>$29,966</td>
<td>Louise-Marie Dandurand, University of Idaho, Paige Hickman, University of Idaho</td>
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<tr>
<td>GW20-206</td>
<td>Evaluating the effectiveness of mustard species and their concentrated extracts in reducing losses to wireworms in the Pacific Northwest, USA.</td>
<td>$24,998</td>
<td>Dr. Arash Rashed, University of Idaho, Reed Findlay, University of Idaho, Atoosa Nikoukar, PI Rashed, University of Idaho</td>
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</tbody>
</table>
The effects of cover crops on soil arthropod communities in the Inland Pacific Northwest

GW20-217

$24,993

Dr. Sanford Eigenbrode
University of Idaho
Dane Elmquist (PI: Eigenbrode)
University of Idaho

ON FARM RESEARCH/PARTNERSHIP GRANTS

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<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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</thead>
</table>
| OW23-382   | Precipitated Calcium Carbonate to RemEDIATE Acidic Eastern Idaho Soils        | $75,000      | Dr. Jared Spackman
University of Idaho
Jared Gibbons
University of Idaho
Justin Hatch
University of Idaho
Tom Jacobsen
University of Idaho
Joseph Sagers
University of Idaho |

OW15-032    | Madison County Healthy Soil Initiative                                       | $50,000      | Robbie Taylor
Madison SWCD                                                                 |

OW13-017B  | Reference strips and precision sensors for increased nitrogen use efficiency in wheat production | $1,961       | Dr. Olga Walsh
University of Idaho |

OW13-043   | Extension of Local Food Production in Idaho Using High Tunnel Technology     | $49,999      | Dr. Stephen Love
University of Idaho |

OW10-301   | Using Aquaponics with Renewable Energy Resources to Create Sustainable Food Systems while Reducing Nutrient, Energy, and Water Costs | $50,000      | Matt Johnson
Sustain Pro Management
Harry Ako
University of Hawaii |

Total funding from the USDA SARE program to Idaho
$5,744,533

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).