



# AGRICULTURE PROJECTS FUNDED IN OREGON

by USDA's  
Sustainable Agriculture Research and Education (SARE) Program  
1988-2016

Oregon has been awarded \$8,166,946 to support 138 projects, including but not limited to, 38 research and/or education projects, 21 professional development projects and 60 producer-led projects. Oregon has also received additional SARE support through multi-state projects.

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## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">SW16-010</a>	Impacts of Chaff Collection or Chaff Plus Straw Collection at Harvest to Improve Weed Control	\$250,000	Judit Barroso Oregon State University
<a href="#">SW16-070</a>	Soil solarization as a tool to control weeds and soilborne pathogens in tree seedling nurseries in the Pacific Northwest	\$247,329	Dr. Jennifer Parke Oregon State University
<a href="#">SW15-021</a>	Diagnosis and Management of a New Disease of Cucurbits in Oregon	\$145,291	Alexandra Stone Vegetable Cropping Systems Specialist
<a href="#">SW15-058</a>	Understanding Pest and Disease Transmission Dynamics and Effects of Agrochemicals on Honey Bee Colonies Pollinating Crops in the Western States	\$248,025	Dr. Ramesh Sagili Oregon State University
<a href="#">SW13-017</a>	Integrating research and practice in systems management of organic vegetable farms	\$277,430	Alexandra Stone Vegetable Cropping Systems Specialist
<a href="#">SW12-037</a>	A Collaborative Phenology Modeling System to Enhance Crop Management on Vegetable Farms	\$203,610	Nick Andrews Oregon State University
<a href="#">SW10-103</a>	Developing a Decision Support Tool for Ventenata IPM in the Inland Northwest	\$169,297	Dr. Timothy Prather University of Idaho
<a href="#">SW10-143</a>	Growing a Sustainable Portland Metropolitan Foodshed	\$223,014	Dr. Sheila Martin Portland State University, IMS
<a href="#">SW09-031</a>	Bean Mold Management Tools and Rotational Systems Management Planning	\$184,084	Alexandra Stone Vegetable Cropping Systems Specialist

<a href="#">SW09-703</a>	Expanding Small-scale Grain Production in Southwestern Oregon	\$24,402	Maud Powell OSU Extension shelley elkovich OSU Extension Small Farms
<a href="#">SW09-062</a>	Integrating Beetle Habitat into Pacific Northwest Farming Systems	\$206,002	John Lambrinos Dept. of Horticulture, Oregon State University
<a href="#">SW08-056</a>	Enhancement of pollination by native bees in blueberries and cranberries	\$183,271	Dr.Sujaya Rao Oregon State University
<a href="#">SW08-121</a>	Sustainable Solutions to IYSV on Onion Via Grower-Research Partnerships	\$177,527	Clinton Shock Oregon State University
<a href="#">SW05-061</a>	Alternative proteins for organic meat and milk production	\$63,565	Mike Gamroth Oregon State University
<a href="#">SW05-077</a>	Farmers facilitating the adoption of new meadowfoam establishment practices	\$67,078	George Hoffman Oregon State University
<a href="#">SW05-091</a>	Integrated Soil and Crop Management for Organic Potato Production	\$196,067	Dr.Dan Sullivan Oregon State University Lane Selman Dept of Horticulture
<a href="#">SW04-072</a>	Managing Cover Crop and Conservation Tillage Systems To Enhance Vegetable Crop Yields, Economic Returns and Environmental Quality	\$182,438	John Luna Oregon State University
<a href="#">SW03-033</a>	Management of Garden Symphylans ( <i>Scutigera immaculata</i> Newport) with Crop Rotation Tactics and Improved Sampling Methods	\$160,132	Jon Umble Oregon State University
<a href="#">SW02-050</a>	"MagNet": A Positive Pull Toward Integrated Pest Management in Root Crop Production.	\$134,829	Amy Dreves Oregon State University; Dept of Horticulture
<a href="#">SW02-052</a>	Changing Meadowfoam Planting Dates and Planting Method to Reduce Input Costs, Pest Pressure, and Increase Yields.	\$100,726	Dr.Gary Jolliff Oregon State University
<a href="#">SW02-017</a>	The Use of Straw Mulch to Enhance Predator Populations Along with Biopesticides to Control Onion Thrips in Dry Bulb Onions	\$73,800	Lynn Jensen Oregon State University
<a href="#">SW01-061</a>	Farmer/Scientist Partnership for Integrated Cropping Systems	\$184,662	Richard Dick Oregon State University
<a href="#">SW00-039</a>	Control of Botrytis by Compost Tea Applications on Grapes in Oregon Vineyards	\$141,572	Shepard Smith Sunbow Farm/Soil Foodweb Inc Elaine Ingham Soil Foodweb Inc/ Southern Cross University
<a href="#">SW00-047</a>	Control of Eastern Filbert Blight	\$81,477	Jay Pscheidt Department of Botany and Plant Pathology

<a href="#">SW00-024</a>	Farmers Growing the Market with TFA-Approved	\$100,000	Deborah J. Kane The Food Alliance
<a href="#">SW00-016</a>	Orchard floor management practices for improving soil quality and optimizing nitrogen uptake efficiency	\$130,330	Anita Azarenko OSU - Dept. of Horticulture
<a href="#">SW00-00C</a>	Sustainable Agriculture Learning Initiative	\$29,200	Jon Bailey Learning Initiative/CRA; Center for Rural Affairs
<a href="#">SW99-061</a>	Enhancing Biological Control With Insectary Plantings	\$83,929	John Luna Oregon State University
<a href="#">SW99-063</a>	Participatory Evaluation of Farmer Based Soil Quality Assessment Cards	\$49,997	Daniel McGrath Oregon State University
<a href="#">SW98-031</a>	Advancing Sustainable Potato Production in the Northwest	\$42,000	Karen Murphy The Northwest Coalition for Alternatives to Pesticides
<a href="#">SW97-074</a>	Advancing Sustainable Potato Production in the Northwest	\$35,000	Karen Murphy The Northwest Coalition for Alternatives to Pesticides
<a href="#">SW96-013</a>	Implementation and Assessment of Economic and Environmental Impact of a Weather Monitoring/Pest and Disease Risk Assessment Network in Commercial Pear Production in Oregon	\$58,290	Franz Niederholzer Oregon State University Extension Service
<a href="#">SW95-025</a>	Influences of Alternative Vegetable Systems on Arthropods/Soil Biological Dynamics and Soil Quality Trajectory	\$180,000	Richard Dick Oregon State University
<a href="#">SW94-029</a>	Development and Demonstration of Integrated Vegetable Production Systems for the Maritime Pacific Northwest	\$80,000	John Luna Oregon State University
<a href="#">LWD93-007</a>	Development of Sustainable Crop and Livestock Production Systems for Land in the Conservation Reserve Program	\$14,000	Rex E. Kirksey
<a href="#">LW92-031</a>	Grazing Strategies for Sustainable Ranching Systems in Western Semi-Arid Zones	\$237,738	Ludwig M. Eisgruber Oregon State University
<a href="#">LWE92-001</a>	On-Farm Demonstration of Integrated Vegetable Production Systems for the Maritime Pacific Northwest	\$39,000	John Luna Oregon State University
<a href="#">LW88-001</a>	Evaluation and Design of Low-Input Sustainable Vegetable/Small Grain and Small Fruit Systems of Western Oregon and Washington	\$404,105	Richard Dick Oregon State University

#### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">EW16-010</a>	Redefining Learner-centered Education to Build High Impact IPM Partnerships	\$67,802	Mary Halbleib Oregon State University

<a href="#">EW16-027</a>	Sustainable Grazing Management in Riparian and Wetland Pasture	\$15,237	Caley Sowers Coos Soil and Water Conservation District
<a href="#">ES16-128</a>	The Conservation Biological Control Short Course	\$74,651	Eric Mader The Xerces Society
<a href="#">EW15-014</a>	Collaborative Approaches to Increase the Integration of Functional Agricultural Biodiversity in Western Farming Systems	\$67,699	Gwendolyn Ellen Integrated Plant Protection Center
<a href="#">EW15-020</a>	Growing the Field for Organic Conservation: Training on NRCS CAP 138 and NOP Conservation Standards	\$73,447	Sarah Brown Oregon Tilth/WNTSC
<a href="#">ENE15-137</a>	The Conservation Biological Control Short Course	\$97,097	Eric Mader The Xerces Society
<a href="#">EW14-035</a>	The Conservation Biological Control Short Course	\$72,050	Eric Mader The Xerces Society
<a href="#">EW14-031</a>	Training IPM Professionals in Rural Areas: A Model to Achieve Sustainable Knowledge	\$74,755	Dr.Silvia Rondon Oregon State University
<a href="#">EW12-031</a>	Organic Conservation Training for Western Region Conservation Professionals	\$98,288	Sarah Brown Oregon Tilth/WNTSC
<a href="#">EW11-015</a>	Creating Sustainable Agriculture Farmer-to-Farmer Networks through Professional Trainings and an Agricultural Educator Toolkit	\$99,590	Melissa Matthewson Oregon State University Extension
<a href="#">EW11-021</a>	The Soil Quality Network	\$56,992	Teresa Matteson Benton Soil and Water Conservation District
<a href="#">EW10-018</a>	Western Pollinator Conservation Planning Short Course	\$90,906	Eric Mader The Xerces Society
<a href="#">EW09-001</a>	Empowering Ag Professionals through a Beneficial and Pest Insect Train-the-Trainer Short Course Program for Oregon, Washington, & Idaho	\$95,635	Mary Corp Oregon State University Dr.Silvia Rondon Oregon State University
<a href="#">EW08-001</a>	Tri-State Organic Certification and Conservation Planning Cross-Training	\$86,137	Chris Schreiner Oregon Tilth
<a href="#">EW07-018</a>	Conserving the Three P's: Habitat Conservation Practices for Beneficial Predators, Parasites, and Pollinators	\$51,165	Mace Vaughan The Xerces Society
<a href="#">EW06-012</a>	Hands-On Workshops: Alternative Marketing Approaches and Distribution Channels	\$60,000	Larry Lev Oregon State University
<a href="#">EW06-010</a>	Organic Seed Production: Materials, Training, and a Seed Database.	\$98,755	Brian Baker Organic Materials Review Institute

<a href="#">EW05-006</a>	Rhizosphere Ecology in Changing Cropping Systems	\$7,348	Sandy Macnab Oregon State University Extension, Sherman County
<a href="#">EW00-011</a>	Western Integrated Nutrient Management Education Program	\$84,750	Mary Staben Oregon State University
<a href="#">EW97-004</a>	Developing an Educational Program for Teaching Science-based Concepts of Grass Regrowth for Improved Grazing Management	\$65,000	David B. Hannaway Oregon State University
<a href="#">EW94-008</a>	Pacific Northwest Sustainable Agriculture Systems Training Program	\$78,000	John Luna Oregon State University

#### FARMER/RANCHER GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">FW16-031</a>	Understanding On-Farm Costs of Production	\$9,400	Sarah Brown Diggin' Roots Farm
<a href="#">FW15-054</a>	Evaluating Market Opportunities of Conventional vs. GMO-free Broilers	\$4,003	Jared Pruch Cascade Pacific RC&D
<a href="#">FW15-018</a>	Growing a Regional Seed Producers network in the Rogue Valley, Oregon	\$23,203	Eric George Southern Oregon Seed Growers Association
<a href="#">FW14-019</a>	Improving Orchard Management through Multi-Species Cover Crop Mo	\$18,340	Mike Omeg Omeg Orchards
<a href="#">FW14-013</a>	Innovative CSA Marketing Tools	\$24,299	Thomas Powell Wolf Gulch Farm
<a href="#">FW10-029</a>	Development of a Northwest Farm Stay Website	\$28,934	Scottie Jones Leaping Lamb Farm
<a href="#">FW10-032</a>	Organic Wheat Intercropping Trials and Outreach	\$15,000	Sarahlee Lawrence Rainshadow Organics
<a href="#">FW09-040</a>	Building a Local Food Cooperative Through an Interactive Website	\$15,000	Sarahlee Lawrence Rainshadow Organics
<a href="#">FW09-328</a>	Increasing Grower Adoption of Adaptive Cover Cropping Systems: Effects on Vegetable Production and Nitrogen Cycling	\$50,000	Nick Andrews Oregon State University
<a href="#">FW09-042</a>	Managing Solitary Cavity Nesting Bees for Cane Fruit in Oregon	\$14,985	Don Strurm Sturm's Berry Farm Inc. Dr. Karen Strickler Pollinator Paradise
<a href="#">FW09-038</a>	Rodent Control in Orchards Using Raptors	\$11,066	Mike Omeg Omeg Orchards

<a href="#">FW08-033</a>	Butcher Waste as Biofuel	\$14,885	Kelly and Ross McGarva
<a href="#">FW07-308</a>	Augmentation of Mite Predators on Apples and Grapes	\$25,000	Lyla Lampson Lampson Research and Consulting
<a href="#">FW07-006</a>	Butcher Waste Composting for Field Fertility	\$13,750	Kelly and Ross McGarva
<a href="#">FW07-015</a>	Using Season Extending Techniques to Diversify Traditional Agricultural Economy and Improve Quality and Quantity of Fresh Food Supply in Remote NE Oregon Valley	\$12,475	June Colony
<a href="#">FW06-324</a>	Banking on Beetles in Oregon	\$19,068	Gwendolyn Ellen Integrated Plant Protection Center
<a href="#">FW06-003</a>	Costs, Comparisons, and Effectiveness Using Chlorophyll Sensing Sprayers in a Chemical Fallow Operation	\$6,950	William Jepsen
<a href="#">FW06-032</a>	Determine Whether Small Farm Poultry Production Can Be Boosted when Combined with Red Worm ( <i>Eisenia foetida</i> ) Vermiculture	\$10,000	Chrissie Zaerpoor Kookoolan Farm Koorosh Zaerpoor Kookoolan Farm
<a href="#">FW06-301</a>	Estimating Nitrogen Contribution from Cover Crops in Organic Vegetable and Cane Berry Farms	\$19,325	Nick Andrews Oregon State University
<a href="#">FW05-006</a>	Coastal Oregon Nitrogen Recovery	\$20,000	Don Smith Producer
<a href="#">FW05-302</a>	Environmentally Sound Irrigation and Fertility Systems for Sweet Cherry Crops in the Pacific Northwest	\$19,585	Clark Seavert Mid-Columbia Agricultural Research Center
<a href="#">FW05-018</a>	Farm Internship Curriculum and Handbook	\$20,000	Thomas Powell Wolf Gulch Farm
<a href="#">FW05-004</a>	Sheep vs. Weeds: Biological Control Agents to Combat Noxious Weeds	\$4,570	Cameron Gillespie Gillespie Grazing Co. Sabrina Gillespie Gillespie Grazing Co.
<a href="#">FW04-026</a>	Effectiveness of Three Methods of Removing Stumps to Control Annosus Root Rot in Christmas Tree Plantations	\$5,130	Jim Puffer Yule Tree Farms
<a href="#">FW04-108</a>	Hillsdale Winter Harvest Farmers Market	\$14,950	Kimberly Moore Deep Roots Farm Aaron Bolster Deep Roots Farm
<a href="#">FW04-027</a>	Pumpkin Seed as a Natural Alternative to Chemical Dewormers in Sheep	\$14,990	Mac Stewart Magruder Farms Margaret Magruder Magruder Farms Alice Royle

<a href="#">FW04-021</a>	Recycle Used Gestation Crates into Group-Housed Sow Feeding Stalls	\$6,300	Deanna Quan
<a href="#">FW04-019</a>	Silvo-Pasture with Hybrid Poplar and Sheep	\$7,053	Richard Shuren Greenwood Resources
<a href="#">FW04-017</a>	Split-Season Rotation Grazing Study	\$6,647	Robert Lozano
<a href="#">FW04-004</a>	Sustainable Ditch Stabilization	\$4,246	James VanLeeuwen
<a href="#">FW04-317</a>	Sustainable Ranching Program	\$13,352	Pat Larson Oregon Cattlemen's Association
<a href="#">FW04-118</a>	Virtual Focus Group to Measure Most Efficient Use of Marketing Resources	\$6,863	Mehrten Homer Painted Hills Natural Beef
<a href="#">FW03-023</a>	Can a Summer Cover Crop of Sudan-sorghum Reduce the Detrimental Effects of Tillage in Fall-planted Garlic?	\$9,629	Laura Masterson 47th Avenue Farm
<a href="#">FW02-206</a>	Imperial Stock Ranch Heritage Lamb/Fiber Marketing	\$7,000	Jeanne Carver
<a href="#">FW02-204</a>	Poplar Cotton Fiber Production: A market Opportunity in Oregon	\$7,480	Ray Ethell
<a href="#">FW01-040</a>	Alternative Uses for Raw Wool: Feasibility Study/Marketing Strategy	\$13,500	Margaret Magruder Magruder Farms
<a href="#">FW01-049</a>	Measuring the Interest for Marketing Pastured Poultry at Farmer's Markets	\$6,500	Aaron Silverman Greener Pastures Producers Group
<a href="#">FW00-256</a>	Agritourism-Sustainable Agriculture with Cash and Information Flow	\$8,000	Catherine Grant
<a href="#">FW00-051</a>	Low Stress Stockmanship Clinic for Jackson County, Oregon	\$5,075	John Dimick Jackson County Stockman's Assoc.
<a href="#">FW00-034</a>	Russian Honey Bee Queens Resistant to Varroa in Oregon	\$9,125	Chuck Hunt
<a href="#">FW00-235</a>	Veneta Cooperative Farm Stand	\$5,063	Gwendolyn Ellen Integrated Plant Protection Center
<a href="#">FW99-071</a>	Improving the Sustainability of Pasture and Livestock Management through the Development of a Grazing Network in Lane County, Oregon	\$3,101	Paul Atkinson
<a href="#">FW99-005</a>	Integrated Strip-Till Systems for	\$7,786	Rob Heater

Vegetable Production in Western Oregon

<a href="#">FW98-074</a>	Clover Creek Ranch Early Weaning Comparison	\$2,658	Ron Jones
<a href="#">FW97-041</a>	Biological Control of Pear Pests	\$5,000	George Ing
<a href="#">FW97-035</a>	Constructed Wetland for Waste Water Treatment	\$3,200	Gary Shull
<a href="#">FW97-002</a>	Reducing Foxtail in Permanent Pastures	\$3,500	Kathleen Panner
<a href="#">FW97-020</a>	The Use of Goats to Control Juniper, Sage & Rabbit Brush	\$3,500	Ann R. Snyder
<a href="#">FW97-007</a>	Using Truffles to Enhance Douglas Fir Production On A Small Family Farm	\$2,800	Tim Grant
<a href="#">FW96-037</a>	Grazing Sheep in New Forest Plantings	\$1,575	Tom Lehman
<a href="#">FW96-003</a>	Low Tillage Weed Control	\$1,895	Jim Fullmer
<a href="#">FW96-068</a>	Organic Mulch for Weed Control in Rhubarb	\$2,500	Jeff Boden
<a href="#">FW96-059</a>	School Cafeteria Compost System for Soil Amendment Production	\$3,000	Devon Strong
<a href="#">FW96-026</a>	The Effect of Aerated Compost Teas on Disease Control in Blueberries and Tomatoes	\$2,610	Jack Gray Winter Green Farm
<a href="#">FW96-019</a>	Use of Aerated Compost Teas as a Preventative Foliar Fungicide on Grape Vines <i>Vitis vinifera</i>	\$2,930	Dave Michul King Estate Vineyards
<a href="#">FW96-013</a>	Use of Aerated Compost Teas for Control of Foliar Diseases of Spinach, Lettuce and Broccoli and to Promote Plant Vigor and Quality	\$2,620	William Booth Horton Road Organics
<a href="#">FW95-072</a>	Demonstration and Implementation of Integrated Fruit Production on Anjou Pears	\$5,000	Thom Nelson Hood River Grower - Shipper Association
<a href="#">FW95-075</a>	Evaluating Methods to Enhance Microbial Degradation of Residual Soil Contaminants	\$5,000	J.J. Haapala
<a href="#">FW95-050</a>	Low Tillage Weed Control System	\$1,600	Jim Fullmer



<a href="#">FW95-027</a>	Parasite and Nutrient Management of Composted Manure	\$1,225	Glenna Wilder Bro-A-Bryn Farms
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#### GRADUATE STUDENT GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">GW16-016</a>	Effects of Grassland Restoration on Native Bee and Spider Communities in a Pacific Northwestern Agroecosystem	\$24,999	Dr.Sandy DeBano Oregon State University Lauren Smith Oregon State University
<a href="#">GW15-034</a>	Increasing the Marketability of Pacific Northwest Potatoes	\$24,401	Dr.Aymeric Goyer Oregon State University Bruce Robinson Oregon State University
<a href="#">GW15-018</a>	Managing A Challenging Subterranean Clover Pest: Sustainable Control Using Insect Pathogens	\$12,859	Anis Lestari Oregon State University Dr.Sujaya Rao Oregon State University
<a href="#">GW13-014</a>	Reducing Drosophila suzukii Management Challenges: An Alternative to Insecticide Cover Sprays	\$24,750	Dr.Wei Yang Oregon State University Jimmy Klick Oregon State University
<a href="#">GW12-022</a>	Late season and overwintering management of the large raspberry aphid	\$19,193	Jana Lee USDA ARS Danielle Lightle Oregon State University
<a href="#">GW09-008</a>	Enhancing the integration of mite biological control in western United States vineyard management programs	\$25,000	Angela Gadino Oregon State University
<a href="#">GW08-014</a>	Pollination by Bumble Bees for Enhanced Clover Seed Production	\$19,977	Kimberly Skyrn Oregon State University Dr.Sujaya Rao Oregon State University
<a href="#">GW06-010</a>	Assessment of Riparian Management Practices in Northeastern Oregon	\$9,531	David Wooster Oregon State University

#### ON-FARM RESEARCH/PARTNER GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">OW16-028</a>	Evaluating cover crops for mature hazelnut orchards in the Willamette Valley, Oregon	\$49,997	Dr.Nik Wiman Oregon State University
<a href="#">OW16-338</a>	Improving Water Saving Techniques and Fruit Quality in Oregon Vineyards	\$20,548	Karen Peterson A to Z Wineworks
<a href="#">OW16-038</a>	Restoring Rangeland Quality with Soil Health Enhancement	\$44,450	Debbie Wood Crooked River Weed Management Area
<a href="#">OW16-008</a>	Winter squash: extending the season and expanding the uses	\$49,958	Alexandra Stone Vegetable Cropping Systems Specialist
<a href="#">OW15-005</a>	Integrated Clubroot Control Strategies	\$49,554	Dr.Dan Sullivan

for PNW Brassica Producers

Oregon State University

<a href="#">OW15-007</a>	Interseeding to improve winter cover crop establishment and efficiency in processed vegetable production in the Willamette Valley	\$49,464	Dr.Ed Peachey Oregon State University
<a href="#">OW14-020</a>	Natural Fertilizer Market Assessment Project	\$21,552	Nicole Cousino Nicole Cousino
<a href="#">OW13-055</a>	Assessing the Impacts of Mob Grazing in Southern Oregon	\$47,142	Angela Boudro Jackson Soil & Water Conservation District
<a href="#">OW12-034</a>	Management of Fusarium Wilt of Cucurbits with Vetch Cover Cropping and Grafted Transplants	\$49,158	Alexandra Stone Vegetable Cropping Systems Specialist
<a href="#">OW10-327</a>	Establishing Economic Threshold and Epidemiology for Nosema Ceranae, A Relatively New Species of Microsporidian Parasite in the Honey Bee for PNW	\$38,536	Dr.Ramesh Sagili Oregon State University
<a href="#">OW10-329</a>	Protecting Water Quality and Promoting Economic Efficiency at Agricultural Composting Facilities	\$49,115	Nick Andrews Oregon State University

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**Total funding from the USDA SARE program to  
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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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