



AGRICULTURE PROJECTS FUNDED IN OREGON

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2018

Oregon has been awarded \$9,134,485 grants to support 153 projects, including but not limited to, 40 research and/or education projects, 23 professional development projects and 61 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
SW18-057	Evaluation of Best Production Practices for Olive (<i>Olea europaea</i>) in Oregon. Part I	\$193,575	Dr.Javier Fernandez-Salvador Oregon State University
SW18-041	Sustaining Oregon broccoli production	\$229,804	Prof.James Myers Oregon State University
SW16-010	Impacts of Chaff Collection or Chaff Plus Straw Collection at Harvest to Improve Weed Control	\$250,000	Judit Barroso Oregon State University
SW16-070	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
SW15-021	Diagnosis and Management of a New Disease of Cucurbits in Oregon	\$145,291	ALEXANDRA STONE Oregon State University
SW15-058	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
SW13-017	Integrating research and practice in systems management of organic vegetable farms	\$277,430	ALEXANDRA STONE Oregon State University
SW12-037	A Collaborative Phenology Modeling System to Enhance Crop Management on Vegetable Farms	\$203,610	Nick Andrews Oregon State University
SW10-103	Developing a Decision Support Tool for Ventenata IPM in the Inland Northwest	\$169,297	Dr.Timothy Prather University of Idaho

SW10-143	Growing a Sustainable Portland Metropolitan Foodshed	\$223,014	Dr.Sheila Martin Portland State University, IMS
SW09-031	Bean Mold Management Tools and Rotational Systems Management Planning	\$184,084	ALEXANDRA STONE Oregon State University
SW09-062	Integrating Beetle Habitat into Pacific Northwest Farming Systems	\$206,002	John Lambrinos Dept. of Horticulture, Oregon State University
SW09-703	Expanding Small-scale Grain Production in Southwestern Oregon	\$24,402	Maud Powell OSU Extension Shelley Elkovich OSU Extension Small Farms
SW08-056	Enhancement of pollination by native bees in blueberries and cranberries	\$183,271	Dr.Sujaya Rao Oregon State University
SW08-121	Sustainable Solutions to IYSV on Onion Via Grower-Research Partnerships	\$177,527	Clinton Shock Oregon State University
SW05-061	Alternative proteins for organic meat and milk production	\$63,565	Mike Gamroth Oregon State University
SW05-077	Farmers facilitating the adoption of new meadowfoam establishment practices	\$67,078	George Hoffman Oregon State University
SW05-091	Integrated Soil and Crop Management for Organic Potato Production	\$196,067	Dr.Dan Sullivan Oregon State University Lane Selman Dept of Horticulture
SW04-072	Managing Cover Crop and Conservation Tillage Systems To Enhance Vegetable Crop Yields, Economic Returns and Environmental Quality	\$182,438	John Luna Oregon State University
SW03-033	Management of Garden Symphylans (<i>Scutigera immaculata</i> Newport) with Crop Rotation Tactics and Improved Sampling Methods	\$160,132	Jon Umble Oregon State University
SW02-017	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
SW02-050	"MagNet": A Positive Pull Toward Integrated Pest Management in Root Crop Production.	\$134,829	Amy Dreves Oregon State University; Dept of Horticulture
SW02-052	Changing Meadowfoam Planting Dates and Planting Method to Reduce Input Costs, Pest Pressure, and Increase Yields.	\$100,726	Dr.Gary Jolliff Oregon State University
SW01-061	Farmer/Scientist Partnership for Integrated Cropping Systems	\$184,662	Richard Dick Oregon State University
SW00-039	Control of Botrytis by Compost Tea Applications on Grapes in Oregon	\$141,572	Shepard Smith Sunbow Farm/Soil Foodweb Inc

	Vineyards		Elaine Ingham Soil Foodweb Inc/ Southern Cross University Elaine Ingham Sustainable Studies Institute
SW00-047	Control of Eastern Filbert Blight	\$81,477	Jay Pscheidt Department of Botany and Plant Pathology
SW00-00C	Sustainable Agriculture Learning Initiative	\$29,200	Jon Bailey Learning Initiative/CRA; Center for Rural Affairs
SW00-016	Orchard floor management practices for improving soil quality and optimizing nitrogen uptake efficiency	\$130,330	Anita Azarenko OSU - Dept. of Horticulture
SW00-024	Farmers Growing the Market with TFA-Approved	\$100,000	Deborah J. Kane The Food Alliance
SW99-061	Enhancing Biological Control With Insectary Plantings	\$83,929	John Luna Oregon State University
SW99-063	Participatory Evaluation of Farmer Based Soil Quality Assessment Cards	\$49,997	Daniel McGrath Oregon State University
SW98-031	Advancing Sustainable Potato Production in the Northwest	\$42,000	Karen Murphy The Northwest Coalition for Alternatives to Pesticides
SW97-074	Advancing Sustainable Potato Production in the Northwest	\$35,000	Karen Murphy The Northwest Coalition for Alternatives to Pesticides
SW96-013	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
SW95-025	Influences of Alternative Vegetable Systems on Arthropods/Soil Biological Dynamics and Soil Quality Trajectory	\$180,000	Richard Dick Oregon State University
SW94-029	Development and Demonstration of Integrated Vegetable Production Systems for the Maritime Pacific Northwest	\$80,000	John Luna Oregon State University
LWD93-007	Development of Sustainable Crop and Livestock Production Systems for Land in the Conservation Reserve Program	\$14,000	Rex E. Kirksey
LW92-031	Grazing Strategies for Sustainable Ranching Systems in Western Semi-Arid Zones	\$237,738	Ludwig M. Eisgruber Oregon State University
LWE92-001	On-Farm Demonstration of Integrated Vegetable Production Systems for the Maritime Pacific Northwest	\$39,000	John Luna Oregon State University
LW88-001	Evaluation and Design of Low-Input	\$404,105	Richard Dick

Sustainable Vegetable/Small Grain and
Small Fruit Systems of Western Oregon
and Washington

Oregon State University

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
EW18-015	OSU Land Steward Program Professional Development Project	\$73,199	Rachel Werling Oregon State University
EW17-019	Western Region Pesticide Risk Reduction through Professional Development for Western State IPM Programs	\$69,299	Prof. Paul Jepson Oregon State University
EW16-010	Redefining Learner-centered Education to Build High Impact IPM Partnerships	\$67,802	Mary Halbleib Oregon State University
EW16-027	Sustainable Grazing Management in Riparian and Wetland Pasture	\$15,237	Caley Sowers Coos Soil and Water Conservation District
ES16-128	The Conservation Biological Control Short Course	\$74,651	Eric Mader The Xerces Society
EW15-014	Collaborative Approaches to Increase the Integration of Functional Agricultural Biodiversity in Western Farming Systems	\$67,699	Gwendolyn Ellen Agricultural Biodiversity Consulting
EW15-020	Growing the Field for Organic Conservation: Training on NRCS CAP 138 and NOP Conservation Standards	\$73,447	Sarah Brown Oregon Tilth
ENE15-137	The Conservation Biological Control Short Course	\$97,097	Eric Mader The Xerces Society
EW14-031	Training IPM Professionals in Rural Areas: A Model to Achieve Sustainable Knowledge	\$74,755	Dr. Silvia Rondon Oregon State University
EW14-035	The Conservation Biological Control Short Course	\$72,050	Eric Mader The Xerces Society
EW12-031	Organic Conservation Training for Western Region Conservation Professionals	\$98,288	Sarah Brown Oregon Tilth
EW11-015	Creating Sustainable Agriculture Farmer-to-Farmer Networks through Professional Trainings and an Agricultural Educator Toolkit	\$99,590	Melissa Matthewson Oregon State University Extension
EW11-021	The Soil Quality Network	\$56,992	Teresa Matteson Benton Soil and Water Conservation District
EW10-018	Western Pollinator Conservation Planning Short Course	\$90,906	Eric Mader The Xerces Society

EW09-001	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
EW08-001	Tri-State Organic Certification and Conservation Planning Cross-Training	\$86,137	Chris Schreiner Oregon Tilth
EW07-018	Conserving the Three P's: Habitat Conservation Practices for Beneficial Predators, Parasites, and Pollinators	\$51,165	Mace Vaughan The Xerces Society
EW06-010	Organic Seed Production: Materials, Training, and a Seed Database.	\$98,755	Brian Baker Organic Materials Review Institute
EW06-012	Hands-On Workshops: Alternative Marketing Approaches and Distribution Channels	\$60,000	Larry Lev Oregon State University
EW05-006	Rhizosphere Ecology in Changing Cropping Systems	\$7,348	Sandy Macnab Oregon State University Extension, Sherman County
EW00-011	Western Integrated Nutrient Management Education Program	\$84,750	Mary Staben Oregon State University
EW97-004	Developing an Educational Program for Teaching Science-based Concepts of Grass Regrowth for Improved Grazing Management	\$65,000	David B. Hannaway Oregon State University
EW94-008	Pacific Northwest Sustainable Agriculture Systems Training Program	\$78,000	John Luna Oregon State University

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FW18-013	Economic viability of fodder beets as winter forage for cattle in Eastern Oregon	\$19,419	Cody Wood Willamette Valley Lamb
FW18-048	Potential for Shake and Catch Harvesting of Hazelnuts	\$19,532	Taylor Larson My Brothers' Farm
FW16-031	Understanding On-Farm Costs of Production	\$9,400	Sarah Brown Diggin' Roots Farm
FW15-018	Growing a Regional Seed Producers network in the Rogue Valley, Oregon	\$23,203	Eric George Southern Oregon Seed Growers Association
FW15-054	Evaluating Market Opportunities of Conventional vs. GMO-free Broilers	\$4,003	Jared Pruch Cascade Pacific RC&D
FW14-013	Innovative CSA Marketing Tools	\$24,299	Thomas Powell Wolf Gulch Farm
FW14-019	Improving Orchard Management	\$18,340	Mike Omeg

	through Multi-Species Cover Crop Mo		Omeg Orchards
FW10-029	Development of a Northwest Farm Stay Website	\$28,934	Scottie Jones Leaping Lamb Farm
FW10-032	Organic Wheat Intercropping Trials and Outreach	\$15,000	sarahlee Lawrence Rainshadow Organics
FW09-328	Increasing Grower Adoption of Adaptive Cover Cropping Systems: Effects on Vegetable Production and Nitrogen Cycling	\$50,000	Nick Andrews Oregon State University
FW09-038	Rodent Control in Orchards Using Raptors	\$11,066	Mike Omeg Omeg Orchards
FW09-040	Building a Local Food Cooperative Through an Interactive Website	\$15,000	sarahlee Lawrence Rainshadow Organics
FW09-042	Managing Solitary Cavity Nesting Bees for Cane Fruit in Oregon	\$14,985	Don Strurm Sturm's Berry Farm Inc. Dr.Karen Strickler Pollinator Paradise
FW08-033	Butcher Waste as Biofuel	\$14,885	Kelly and Ross McGarva
FW07-006	Butcher Waste Composting for Field Fertility	\$13,750	Kelly and Ross McGarva
FW07-015	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
FW07-308	Augmentation of Mite Predators on Apples and Grapes	\$25,000	Lyla Lampson Lampson Research and Consulting
FW06-003	Costs, Comparisons, and Effectiveness Using Chlorophyll Sensing Sprayers in a Chemical Fallow Operation	\$6,950	William Jepsen
FW06-032	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
FW06-301	Estimating Nitrogen Contribution from Cover Crops in Organic Vegetable and Cane Berry Farms	\$19,325	Nick Andrews Oregon State University
FW05-004	Sheep vs. Weeds: Biological Control Agents to Combat Noxious Weeds	\$4,570	Cameron Gillespie Gillespie Grazing Co. Sabrina Gillespie Gillespie Grazing Co.
FW05-006	Coastal Oregon Nitrogen Recovery	\$20,000	Don Smith Producer

FW05-018	Farm Internship Curriculum and Handbook	\$20,000	Thomas Powell Wolf Gulch Farm
FW05-302	Environmentally Sound Irrigation and Fertility Systems for Sweet Cherry Crops in the Pacific Northwest	\$19,585	Clark Seavert Mid-Columbia Agricultural Research Center
FW04-004	Sustainable Ditch Stabilization	\$4,246	James VanLeeuwen
FW04-317	Sustainable Ranching Program	\$13,352	Pat Larson Oregon Cattlemen's Association
FW04-017	Split-Season Rotation Grazing Study	\$6,647	Robert Lozano
FW04-019	Silvo-Pasture with Hybrid Poplar and Sheep	\$7,053	Richard Shuren Greenwood Resources
FW04-021	Recycle Used Gestation Crates into Group-Housed Sow Feeding Stalls	\$6,300	Deanna Quan
FW04-026	Effectiveness of Three Methods of Removing Stumps to Control Annosus Root Rot in Christmas Tree Plantations	\$5,130	Jim Puffer Yule Tree Farms
FW04-027	Pumpkin Seed as a Natural Alternative to Chemical Dewormers in Sheep	\$14,990	Mac Stewart Magruder Farms Margaret Magruder Magruder Farms Alice Royle
FW04-108	Hillsdale Winter Harvest Farmers Market	\$14,950	Kimberly Moore Deep Roots Farm Aaron Bolster Deep Roots Farm
FW04-118	Virtual Focus Group to Measure Most Efficient Use of Marketing Resources	\$6,863	Mehrten Homer Painted Hills Natural Beef
FW03-023	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
FW02-204	Poplar Cotton Fiber Production: A market Opportunity in Oregon	\$7,480	Ray Ethell
FW02-206	Imperial Stock Ranch Heritage Lamb/Fiber Marketing	\$7,000	Jeanne Carver
FW01-040	Alternative Uses for Raw Wool: Feasibility Study/Marketing Strategy	\$13,500	Margaret Magruder Magruder Farms
FW01-049	Measuring the Interest for Marketing	\$6,500	Aaron Silverman

	Pastured Poultry at Farmer's Markets		Greener Pastures Producers Group
FW00-051	Low Stress Stockmanship Clinic for Jackson County, Oregon	\$5,075	John Dimick Jackson County Stockman's Assoc.
FW00-235	Veneta Cooperative Farm Stand	\$5,063	Gwendolyn Ellen Agricultural Biodiversity Consulting
FW00-256	Agritourism-Sustainable Agriculture with Cash and Information Flow	\$8,000	Catherine Grant
FW00-034	Russian Honey Bee Queens Resistant to Varroa in Oregon	\$9,125	Chuck Hunt
FW99-005	Integrated Strip-Till Systems for Vegetable Production in Western Oregon	\$7,786	Rob Heater
FW99-071	Improving the Sustainability of Pasture and Livestock Management through the Development of a Grazing Network in Lane County, Oregon	\$3,101	Paul Atkinson
FW98-074	Clover Creek Ranch Early Weaning Comparison	\$2,658	Ron Jones
FW97-002	Reducing Foxtail in Permanent Pastures	\$3,500	Kathleen Panner
FW97-007	Using Truffles to Enhance Douglas Fir Production On A Small Family Farm	\$2,800	Tim Grant
FW97-020	The Use of Goats to Control Juniper, Sage & Rabbit Brush	\$3,500	Ann R. Snyder
FW97-035	Constructed Wetland for Waste Water Treatment	\$3,200	Gary Shull
FW97-041	Biological Control of Pear Pests	\$5,000	George Ing
FW96-059	School Cafeteria Compost System for Soil Amendment Production	\$3,000	Devon Strong
FW96-068	Organic Mulch for Weed Control in Rhubarb	\$2,500	Jeff Boden
FW96-003	Low Tillage Weed Control	\$1,895	Jim Fullmer
FW96-013	Use of Aerated Compost Teas for Control of Foliar Diseases of Spinach,	\$2,620	William Booth Horton Road Organics

	Lettuce and Broccoli and to Promote Plant Vigor and Quality		
FW96-019	Use of Aerated Compost Teas as a Preventative Foliar Fungicide on Grape Vines <i>Vitis vinifera</i>	\$2,930	Dave Michul King Estate Vineyards
FW96-026	The Effect of Aerated Compost Teas on Disease Control in Blueberries and Tomatoes	\$2,610	Jack Gray Winter Green Farm
FW96-037	Grazing Sheep in New Forest Plantings	\$1,575	Tom Lehman
FW95-050	Low Tillage Weed Control System	\$1,600	Jim Fullmer
FW95-072	Demonstration and Implementation of Integrated Fruit Production on Anjou Pears	\$5,000	Thom Nelson Hood River Grower - Shipper Association
FW95-075	Evaluating Methods to Enhance Microbial Degradation of Residual Soil Contaminants	\$5,000	J. J. Haapala
FW95-027	Parasite and Nutrient Management of Composted Manure	\$1,225	Glenna Wilder Bro-A-Bryn Farms

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GW18-027	Determining the Impacts of Dormant Pruning Methods and Nitrogen Fertilization on Pinot Noir Bud Fruitfulness and Yield	\$22,786	Patricia Skinkis Oregon State University Miranda Ulmer Oregon State University
GW18-157	Diagnosis and control of winter squash storage rots in western Oregon	\$25,000	Dr.Kenneth Johnson Oregon State University Hannah Rivedal Oregon State University
GW16-016	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
GW15-034	Increasing the Marketability of Pacific Northwest Potatoes	\$24,401	Dr.Aymeric Goyer Oregon State University Bruce Robinson Oregon State University
GW15-018	Managing A Challenging Subterranean Clover Pest: Sustainable Control Using Insect Pathogens	\$12,859	Dr.Sujaya Rao Oregon State University Anis Lestari Oregon State University
GW13-014	Reducing <i>Drosophila suzukii</i> Management Challenges: An Alternative to Insecticide Cover Sprays	\$24,750	Dr.Wei Yang Oregon State University Jimmy Klick Oregon State University
GW12-022	Late season and overwintering management of the large raspberry aphid	\$19,193	Danielle Lightle Oregon State University Jana Lee USDA ARS

GW09-008	Enhancing the integration of mite biological control in western United States vineyard management programs	\$25,000	Angela Gadino Oregon State University
GW08-014	Pollination by Bumble Bees for Enhanced Clover Seed Production	\$19,977	Dr.Sujaya Rao Oregon State University Kimberly Skyrn Oregon State University
GW06-010	Assessment of Riparian Management Practices in Northeastern Oregon	\$9,531	David Wooster Oregon State University Dr.Sujaya Rao Oregon State University Melissa Scherr Oregon State University

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
OW18-019	Expanding the Adoption of Under-Trellis Cultivators in Vineyards to Reduce Herbicide Input	\$49,991	Marcelo Moretti Oregon State University
OW18-020	Investigating the feasibility of berry production in Central Oregon under protected and unprotected culture	\$49,998	Clare Sullivan Oregon State University
OW17-024	Resistant, resilient and long storing garlic varieties for organic farming systems and markets	\$49,971	ALEXANDRA STONE Oregon State University
OW17-008	Training Seed Producers and Increasing Local Markets for Seed Production	\$49,750	Maud Powell OSU Extension
OW16-008	Winter squash: extending the season and expanding the uses	\$49,958	ALEXANDRA STONE Oregon State University
OW16-028	Evaluating cover crops for mature hazelnut orchards in the Willamette Valley, Oregon	\$49,997	Dr.Nik Wiman Oregon State University
OW16-038	Restoring Rangeland Quality with Soil Health Enhancement	\$44,450	Debbie Wood Crooked River Weed Management Area
OW16-338	Improving Water Saving Techniques and Fruit Quality in Oregon Vineyards	\$20,548	Karen Peterson A to Z Wineworks
OW15-005	Integrated Clubroot Control Strategies for PNW Brassica Producers	\$49,554	Dr.Dan Sullivan Oregon State University
OW15-007	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
OW14-020	Natural Fertilizer Market Assessment Project	\$21,552	Nicole Cousino Nicole Cousino
OW13-055	Assessing the Impacts of Mob Grazing in Southern Oregon	\$47,142	Angela Boudro

			Jackson Soil & Water Conservation District
OW12-034	Management of Fusarium Wilt of Cucurbits with Vetch Cover Cropping and Grafted Transplants	\$49,158	ALEXANDRA STONE Oregon State University
OW10-327	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
OW10-329	Protecting Water Quality and Promoting Economic Efficiency at Agricultural Composting Facilities	\$49,115	Nick Andrews Oregon State University
FW06-324	Banking on Beetles in Oregon	\$19,068	Gwendolyn Ellen Agricultural Biodiversity Consulting

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
WSP17-013	2018 Oregon State University PDP Project	\$37,708	Nick Andrews Oregon State University Maud Powell OSU Extension

ENHANCED STATE GRANTS GRANTS

Project #	Project Title	SARE support	Project Leaders
MW18-006	Summer and winter vegetable and cover crop cultivar performance in Organic fresh vegetable cropping systems in Oregon	\$24,974	Nick Andrews Oregon State University
MW16-002	Women in Sustainable Agriculture Conference	\$52,533	Maud Powell OSU Extension

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For further information on projects, contact Western SARE at (435) 797-2257 or wsare@usu.edu.

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