
AGRICULTURE PROJECTS FUNDED IN WASHINGTON
by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2011

Summary: Washington has received \$6,227,327 to support 119 projects, including but not limited to, 38 research and/or education projects, 12 extension projects and 58 producer-led projects. Washington also has received additional SARE support through multi-state projects.

State sustainable agriculture extension coordinator(s): Tara Zimmerman, WSU Center for Sustaining Agriculture & Natural Resources

Project #	Project Title	SARE support	Project Leader	Organization
SW11-072	Selecting management practices and cover crops for reducing tillage, enhancing soil quality, and managing weeds in western WA	\$196,626.00	Douglas Collins	Center for Sust. Ag. Nat Res
SW10-052	Native habitat restoration, sustainable IPM and beneficial insect conservation in Washington viticulture	\$191,106.00	David James	Washington State University
SW09-050	Evaluation of Organic Hop Production and Agronomy in the Pacific Northwest	\$123,465.00	Kevin Murphy	Washington State
SW08-049	Integration of Microbial Pesticides in Pome-Fruit Production in the PNW	\$120,598.00	Lawrence Lacey	USDA ARS Yakima Ag Research Lab
SW08-052	Assessing habitat and dietary switching by predators in a cover crop system	\$121,092.00	David Horton	USDA ARS
SW08-102	Combining trap cropping and natural-chemical lures to attract and kill cruc	\$191,868.00	William Snyder	Washington State Univ.
LNE07-266	Vegetable seed growing handbook	\$26,441.00	John Navazio	SEEDS
SW07-503	Supplemental R&E Funding from Innovative SARE Coordinator Programs	\$24,842.00	Carol Miles	WSU Extension
SW07-055	A Sustainable Distribution and Evaluation Program for Selected Honey Bee Stocks in the Pacific Northwest	\$172,938.00	Walter Sheppard	Washington State University
SW06-066	No-till Livestock-Grain Rotation for Diversified Farms	\$125,122.00	Lynne Carpenter-Boggs	Washington State University-Dept of Crop and Soil Sciences

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SW06-032	Developing Role Models for Antibiotic Stewardship and Biosecurity on Dairy Farms	\$125,145.00	Ron Wohrle	Tacoma Pierce County Health Dept.
SW06-013	Enhancing Sustainability of Small Fruit Production in the Pacific Northwest Through Educating Producers on Consensus Derived Scouting and Decision-making Parameters	\$170,929.00	Craig MacConnell	WSU Extension - Whatcom County
SW05-129	Oilseed Farm-to-Market Demonstration	\$77,688.00	Kimberly Morse	Whitman Conservation District
SW04-115	Producing Organic Vegetable Seed - Farmer Education Project	\$154,293.00	Matthew Dillon	Abundant Life Seed Foundation
SW04-113	Augmentation and Conservation of Insect-attacking Nematodes and Fungi to Improve Insect Control in Pacific Northwest Potatoes	\$138,922.00	William Snyder	Washington State University
SW04-136	Rose Habitats to Enhance Leafroller Biological Control in Pome Fruits	\$105,149.00	Thomas Unruh	USDA-ARS
SW03-040	Assessing Soil Quality in Intensive Organic Management Systems	\$107,696.00	Craig Cogger	WSU Puyallup
SW03-006	Implementing Weed Control Through Multi-Species Grazing	\$187,935.00	Donald Nelson	Washington State University
SW03-046	Development and Implementation of Integrated Pest Management of Burrowing Shrimp on Washington State Commercial Oyster Beds	\$179,031.00	Steven Booth	Willapa Bay Grays Harbor Oyster Growers / PSI
SW03-101	Integrating Biological Control into Cole Crop Production in the Pacific Northwest	\$63,841.00	William Snyder	Washington State University
SW03-016	Farming for the Future: Cultivating the Next Generation of Farmers	\$145,800.00	Brad Gaolach	Washington State University Extension WSU King County Extension King and Pierce Counties
SW03-018	Mustard Green Manures for Potato Production	\$45,653.00	Andy McGuire	Washington State University Extension CSANR-WSU

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SW03-115	Riparian Buffers: Functions, Management, and Economic Implications for Agriculture	\$242,035.00	Jon Johnson	Washington State University - Puyallup Res. & Ext.
SW01-039	Management of Perennial Wheat as a Sustainable Alternative Cropping System in the Pacific Northwest	\$63,641.00	Stephen Jones	Crop and Soil Science Dept. WSU
SW00-020	Demonstrating, Evaluating, and Extending Diversified Direct-Seeded Cropping Systems for Grower Risk Management in the Inland Northwest	\$177,416.00	Diana Roberts	WSU Cooperative Extension
SW99-011	Enhancing Biological Control in Mating Disruption Pear Orchards by Understory Management	\$110,497.00	David Horton	USDA-ARS
SW98-006	Hybrid Poplars in Natural Buffer Systems for Agricultural Pollution Reduction and Income Enhancement	\$157,721.00	Barry C. Moore	Washington State University
SW97-043	Building Community Support for Agriculture on the Urban Edge	\$113,000.00	Dyvon Havens	WSU/Skagit County Cooperative Extension
SW97-011	Sustainable Crop Production Practices with Mixed Leguminous and Non-leguminous Cover Crops	\$118,000.00	Shiou Kuo	Washington State University (WSU) Research and Extension Center
SW97-034	Enhancing No-Till and Conservation Farming Success Through the Use of Case Studies, Conferences, and Workshops to Facilitate Farmer to Farmer Learning in The Pacific Northwest	\$125,842.00	Tim Fiez	Washington State University, Dept. of Crop and Soil Sciences
AW96-004	Weed Suppression and Enhancement of Wildlife and Beneficial Insect Habitat in Center Pivot Irrigated Field Borders and Corners	\$61,485.00	Andrew McGuire	Washington State University
SW95-020	Sustainable Community Food Systems - A Catalyst for Rural Environment and Economic Regeneration - A Proposal for an Economic Feasibility Study	\$59,448.00	Fenton P. Wilkinson	
SW94-008	Fall-Planted Cover Crops in Western Washington: A Model for Sustainability Assessment	\$80,000.00	Lorna Michael Butler	Washington State University (WSU), Puyallup Research and Extension Center

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SW94-023	Apple Production Without the Input of Neuroactive Insecticides	\$268,000.00	Jay F. Brunner	Washington State University
AW92-008	Development and Evaluation of Indicators for Agroecosystem Health	\$40,000.00	David Bezdicek	Washington State University
AW91-005	Soil Bacteria to Control Jointed Goatgrass in Integrated Cropping Systems	\$60,000.00	Ann Kennedy	Washington State University/ARS
LW89-017	Silvopastoral Alternatives for Fruit Growers	\$65,641.00	Linda H. Hardesty	Washington State University
LW88-002	Options to Enhance the Sustainability of Dryland Cereal Cropping in the Northwest	\$470,000.00	David Granatstein	Washington State University

PROFESSIONAL DEVELOPMENT PROJECTS

EW10-016	Forestry Certification Training for Agency Field Staff	\$48,000.00	Stewart & Shelley Matthiesen & French	Northwest Natural Resource Group
EW10-017	Organic Seed, Soils, and Sustainable Business; Three Intensives and an Online Tutorial	\$76,963.00	Micaela Cooley	Organic Seed Alliance
EW08-005	Training and Connecting Agricultural Professionals Through an Immersion Field Course and the Cultivating Success Instructor Training Program in Washington	\$29,599.00	Cathrine Perillo	Dept. Crop & Soil Sciences - WSU
EW07-009	Western Region Dairy Odor and Air Quality Education	\$89,236.00	Pius Ndegwa	Washington State University
EW04-015	Sustainable Small-Acreage Farming from Field to Table	\$57,220.00	Albert Kowitz	Washington State University
EW03-003	Feed Management Education in Nutrition and Nutrient Management for Livestock and Poultry Professionals	\$99,635.00	Joe Harrison	WSO-Puyallup Research and Extension Center
EW02-003	Sustainable Agriculture and Marketing Education Grant	\$19,500.00	Madina Cavendish	Northwest Cooperative Development Center

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EW01-006	Noxious Weed Control Through Multi-Species Grazing	\$64,501.00	Donald Nelson	Washington State University
EW98-008	Organic Food Production and Marketing -- Educational Resource Development	\$19,100.00	Leslie Zenz	Washington State Department of Agriculture
EW98-009	Alternative Crops for Dryland Agriculture in the Intermountain Pacific Northwest	\$67,500.00	Edward Adams	WSU-Spokane
EW96-004	Extension Faculty Learning with Farmers - A Seminar Series on Sustainable Agriculture	\$36,424.00	Diana Roberts	Washington State University - Cooperative Extension Service
EW96-006	Organic Food Production and Marketing - Tours and Resource Guide	\$17,050.00	Leslie Zenz	Washington State Dept of Agriculture

GRANTS TO FARMERS

FW10-069	Cover Cropping and Seasonal Landscape Fabric Mulch for Weed and Mummy Berry Control in Organic Blueberries	\$12,138.00	Dan Turner	
FW10-062	NOP Compliant Antimicrobial Rinses on Leafy Greens and the Effects on Foodborne Pathogen Indicator Presence	\$14,944.00	Dan Hulse	
FW09-611	Tilth Producers of Washington 2009 Farm Walks	\$2,000.00	Nancy Allen	Tilth Producers of Washington
FW09-016	Local Farms, Healthy Kids - The Small-scal, Sustainable Producer's Role in this Legislatively Mandated Opportunity	\$14,600.00	Laura Plaut	
FW08-007	Integrated Nutrient Management for Small Farm Swine and Sheep Production	\$8,905.00	Bruce Dunlop	
FW07-009	Leafy Spurge Management in Shrub Steppe Rangeland	\$10,000.00	Craig Madsen	Healing Hooves, LLC
FW07-008	JJJ Farm Duckweed Harvesting	\$8,519.00	Jerry Darnall	JJJ Farm
FW06-020	Strategies for Building Regional Markets for Pastured Poultry Growers	\$11,360.00	Jamie Henneman	Lazy Lightening Ranch

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FW06-007	Rhizoctonia and Soil Compaction Under Direct Seed	\$6,894.00	Ron Jirava	
FW06-325	On-farm Evaluation and Demonstration of Small-scale Biogas Technology	\$20,000.00	Lora Lea Misterly	Quillasascut Farm
FW06-018	Evaluation of Environmentally Sustainable Methods to Control Dagger Nematode Infestation in Blueberry Production	\$9,842.00	Michael White	Crescent Harbor Blueberry Farm
FW06-311	Youth Entrepreneurs in Agriculture	\$7,739.00	Donna Boyer	
FW06-002	Evaluation of Digested Manure on Potatoes and Raspberries	\$19,575.00	Darryl Vander Haak	Vander Haak Dairy
FW05-025	Determining the Feasibility of Compost Production from Agronomic Waste and Wood Byproducts Through Mushroom Cultivation Techniques for Small Market Farmer	\$2,419.00	Christopher Tchudi	Fido's Farm
FW04-006	Agricultural Science Class: Principles of Ecological Food Production	\$7,441.00	Henning Sehmsdorf	S&S Ctr. For Sust. Ag and Homestead Farm
FW04-305	Bio-Intensive Forage and Hay Production	\$7,499.00	Henning Sehmsdorf	S&S Center for SA and Homestead Farm
FW04-040	Mobile Poultry Processing Feasibility Study	\$9,637.00	Louis Sukovaty	Crown "S" Ranch
FW04-105	Felted Wool for Orthopic Use	\$10,382.00	Jayne Deardorff	
FW04-116	Producer, Retail, Consumer Demo Program for Fresh Pears	\$14,907.00	Sherry Amos	
FW03-317	Use of Interseeding Grass Technology to Reduce Nitrate Concentration in New Seeding Grass Silage	\$6,000.00	Jason Vanderveen	Washington State Univ.
FW03-308	Planned Grazing as a Means of Enhancing the Ecosystem and Improving Range for Big Game and Livestock	\$5,000.00	Scott Gress	
FW03-202	Controlling Flea Beetles in Arugula Using Traps and Sprays	\$7,500.00	Andrew Stout	Full Circle Farm
FW03-302	Determination of Whole Farm Nutrient Flows on a Dairy Operation	\$6,000.00	Jim Werkhoven	

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FW03-106	Application to Develop Business Plan for a USDA Certified Mobile Livestock Unit	\$14,988.00	Karla Christianson	Christianson Ranch
FW02-038	On-Farm Composting for Residue Management in Spokane County, WA	\$14,992.00	David Ostheller	
FW02-037	Tilth Agroforestry Niche Demonstration Project - Native Forest Restoration for Sustainable Wildcraft Production on the Farm	\$3,000.00	Seraphinoff Mike	South Whidbey Tilth
FW02-043	Alternative Crops to Sustain Native Alfalfa Pollinators	\$4,500.00	Mark Wagoner	
FW02-019	Mechanical Introduction of Soil Nutrients Through a Mulch Layer	\$12,400.00	Peter Savage	
FW01-019	Tilth-Agroforestry Niche Demonstration Project - Native Forest Restoration for Sustainable Wildcraft Production on the Farm	\$4,500.00	Mike Seraphinoff	Forester and Environmental Consulting
FW01-081	Sustainable Small-Scale Grain Raising	\$2,040.00	Henning Sehmsdorf	S&S Homestead Farm
FW01-052	Application of Oyster Shell Mulch for Lavender Production	\$6,000.00	Mike Reichner	WSU Coop Ext.
FW00-041	Demonstration Project to Promote Niche Farming in Heirloom Vegetable Varieties	\$4,425.00	Michael Seraphinoff	
FW00-040	Alternative Crops No-Till Field Trials	\$5,000.00	Ron Jirava	
FW00-022	Rotating Vessel Composter for Small Farms	\$3,100.00	Jack Caldicott	
FW00-014	On-Farm Biodiesel Production from Waste Vegetable Oil	\$1,805.00	Joseph Gabiou	
FW99-089	Harvesting Alternatives for Burdock as an Alternative Crop in an Organic Production System	\$3,000.00	Del Wisdom	Washington State University
FW99-013	Options for Asparagus Cover Crops	\$3,817.00	Donald Jameson	Agrimanagement, INC
FW99-063	Compost Thermal Subsidies in Commercial Passive Solar Greenhouse Design	\$1,750.00	Rebecca Thistlewaite	

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FW99-036	Managing Grasshoppers in Tree Fruit Using Pastured Poultry	\$1,732.00	Terry Swagerty	
FW98-076	Organic Soil Amendments and Fertilization Practices for Processed Vegetable Crops: A Study in Nitrogen Mineralization and Soil Quality	\$8,025.00	Woody Deryckx	
FW98-002	Baby Corn-Alternative Crop for Southwest Washington	\$3,460.00	Owen Schaffner	WSU Research & Extension
FW98-082	Alternative Techniques for Control of Apple Replant Disease	\$3,200.00	Fred Barkley	
FW98-067	Low Cost Vacuum Silage in the Pacific Northwest	\$3,460.00	Tim Clark	Vista Farms
FW98-036	Brewster Area-wide Management (BAM) -- Low Impact Control of Codling Moth and Leafroller in Apples	\$10,000.00	Jim Davis	
FW97-046	Dryland Corn Production in Columbia and Walla Walla Counties (WA)	\$3,000.00	David Carlton	
FW97-033	Release of the Predator Mite, <i>Amblyseius fallacis</i> to Control Spider Mites in Red Raspberries and Reduce Reliance on Pesticides	\$1,850.00	Brian Cieslar	Curt Mayberry Farm
FW97-019	Vegetation Management on Small Acreages Using Short Duration, Intensive, Rotational Grazing	\$2,043.00	Terry Swagerty	
FW97-051	Small Farm Harvest Labor Reduction Project	\$2,500.00	Therese Critchley	
FW97-010	Bamboo Alternative Crop for Southwest Washington	\$2,000.00	R.D. Northcraft	
FW96-016	Weed Control in Organic Apple Orchard	\$2,550.00	Gary Holwegner	
FW96-042	Carrot Rust Fly Control	\$1,150.00	Betsie DeWreede	
FW96-041	Alternative Crop Production in a "Direct Seed Annual Crop Intense Rotation Program"	\$4,400.00	Karl Kupers	
FW96-014	Improved Nitrogen Utilization and Herbicide Reduction Through Relay Intercropping	\$4,230.00	Gene Tinkelberg	
FW96-055	Achieving Sustainability in San Juan County Hay Fields	\$2,750.00	Julie Matthews	

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FW96-067	Organic vs. Synthetic Fertilizer- Container Nursery Trials	\$4,575.00	Nils Sundquist	Sundquist Nursery
FW95-008	Managing Riparian Areas with Remote Livestock Watering Facilities	\$5,000.00	Craig Boesel	
FW95-100	Relay/Cover Crop for Corn	\$5,000.00	Jerry Van der Veen	
FW95-057	Intensive Grazing in Asian Pear Orchards	\$899.00	Tom Shultz	WSU Cooperative Extension

Graduate Student Grants

GW11-005	Combining Trap Cropping with Companion Planting to Control the Crucifer Flea Beetle	\$8,270.00	Joyce Parker	Washington State University Department of Entomology
GW10-003	A Proactive Approach to Understanding Resistance to Novel OP Alternatives as a Strategy for Sustainable Management of Obliquebanded Leafroller	\$21,239.00	Ashfaq Sial	Washington State University
GW09-021	Sustainable Root Rot and Soil Management in Raspberry Systems	\$17,628.00	Jessica Gigot	Washington State University
GW09-015	Habitats and Landscape Interactions of Tachinid Parasitoids Important to Biological Control of Leafrollers (Lepidoptera: Tortricidae) in Central Washington Tree Fruit	\$11,910.00	Nik Wiman	Washington State University
GW08-005	Characterization of soils properties associated with suppression of Fusarium wilt in spinach seed crops, and development of a quantitative molecular assay for Fusarium oxysporum f. sp. Spinaciae	\$19,960.00	Leigh Ann Harrison	
GW08-001	Using bluegrass straw to modulate the elevated dietary crude protein and phosphorus caused by including distillers grains & solubles in dairy diets	\$14,914.00	Stacey Prickett	
GW06-021	IPM and Biological Control of Meloidogyne Chitwoodi and the Colorado Potato Beetle	\$10,000.00	Donna Henderson	Washington State University
GW06-011	Soil Community Structure, Function, and Spatial Variation in an Organic Agroecosystem	\$10,000.00	Douglas Collins	Washington State University - Puyallup

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GW06-018	Bluegrass Straw in Dairy Diets to Enhance Environmental Quality	\$9,920.00	Elizabeth O'Rourke	Washington State University

On-Farm Grants

OW11-315	Composted Horse Manure and Stall Bedding Pilot Project	\$39,410.00	Caitlin Price	Snohomish Conservation District
OW10-310	Sustainable Alternatives to the Conservation Reserve Program (CRP)	\$50,000.00	Donald Nelson	Washington State University

Total funding from USDA SARE program to Washington = \$6,227,327

For further information on projects, contact Stacie Clary, Western Region Communications Specialist, 831-419-5432, stacie.wsare@charter.net, or Dena Leibman, SARE National Communications Specialist, communications@sare.org, 301-405-7955.

SARE is a national USDA program that provides competitive grants, educational materials and extension programs to develop and support approaches that enhance profits, protect the environment and improve rural quality of life.