

## Oregon Conservation Innovation Grants (CIG) Projects (as of March 2014)

Fiscal Year CIG Project Approved	State or Nationally Selected	Name of Organization/Entity	CIG Project Title	Brief Project Description	Project Purpose	Products	Associated web links
2009	State	Cascade Pacific RC&D	Model On-Farm Energy Efficiency & Renewable Energy Program	Develop a model on-farm energy audit program for statewide use. Planning will incorporate energy assessment and audits.	Innovative method to assess on farm energy potentials and identify energy efficient practices by providing assessment services, energy audits, project facilitation and grant packaging services. Help producers adopt irrigation water and nutrient management practices.	An On farm energy audit process was developed. Product was a precursor to the Energy Initiative and Conservation Activity Plan (CAP) standard for AgEMP - Headquarters and Landscape	<a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/programs/?cid=nrcs142p2_044208">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/programs/?cid=nrcs142p2_044208</a>
2009	State	Oregon State University	An Innovative Approach to Managing for and Quantifying Developing Late-seral Conditions on Private Working Forests in Dry Forest Ecosystems	Demonstrate innovative management techniques on late-seral to mid-seral stands on private forest land in south west Oregon.	The purpose is to demonstrate the merits of active management to promote emerging characteristics of late-seral forests in late to mid-seral stands on private, working forest land.	Inventory monitoring protocol, full and rapid assessment plot card, special monitoring protocol, and sample conservation easement plan on dry forest ecosystems	<a href="http://oregonstate.edu/">http://oregonstate.edu/</a>
2009	State	Mid-Willamette Valley Council of Government	Integrating SWCD Farm Planning and Credit Calculation	Establish a protocol for planning and crediting eco-market services on private lands and to enable SWCDs to quantify the ecological benefit derived from the restoration actions on private lands.	The purpose is to enable conservation professionals to easily, accurately and consistently quantify the ecological benefit derived from the restoration actions of producers they work with.	Development of an Ecosystem Credit Accounting protocol. Product can be found at: <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/programs/?cid=nrcs142p2_044081">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/programs/?cid=nrcs142p2_044081</a>	<a href="http://www.mwvcog.org:8080/2/about">http://www.mwvcog.org:8080/2/about</a>
2009	State	Yamhill Soil and Water Conservation District	Establishment of Floating Island Wetlands for Nutrient Reduction in Three Yamhill Ponds with High Nutrient Content	Demonstrate the effectiveness of floating island wetlands on three ponds in Yamhill County, Oregon and evaluate the effectiveness at improving water quality and practical application of the technology to farmers.	The purpose is to test floating island wetland technology on three pond in Yamhill County, Oregon that have existing water quality problems relating to nutrients. Evaluate effectiveness at improving water quality and practical application to farmers.	Report on the effectiveness of floating wetland in 3 dynamic water systems. Identifies 3 types of wetland systems, Plant materials and construction designs	<a href="http://yamhillswcd.wordpress.com/">http://yamhillswcd.wordpress.com/</a>
2009	State	Yamhill Soil and Water Conservation District	Apply the Nutrient Trading Tool Across Oregon	Adapt the Nutrient Trading Tool for Oregon (Willamette Valley) to calculate reductions in nutrient, sediment, and pesticides that will establish eco-credits/markets through the use of BMP.	The purpose of this award is to adapt the Nutrient Trading Tool for Oregon to calculate edge of field reductions in nutrient, sediment, and pesticides from application of BMP's.	Development of the Nutrient Tracking Tool Users Guide and protocols which has similar parameters to the USDA Nutrient Trading Tool	<a href="http://nn.tarleton.edu/NTTWebARS/%28S%28rd1ht1rcyw3bkvz1hkwl54o%29%29/Default.aspx">http://nn.tarleton.edu/NTTWebARS/%28S%28rd1ht1rcyw3bkvz1hkwl54o%29%29/Default.aspx</a>
2009	State	Clackamas County Soil and Water Conservation District	Northwoods Nursery Multi-purpose Rainwater Harvesting System	Implement a model large scale Rain Harvest System (RHS) that captures rainwater to be used on-site that will limit ground water withdraws.	The purpose is to construct a model large scale Rain Harvest System (RHS) that captures rainwater to be used on-site that will limit ground water withdraws.	Designs of a large scale water catchment system. Practice is available under the Environmental Quality Incentives Program (EQIP) in Oregon	<a href="http://conservationdistrict.org/">http://conservationdistrict.org/</a>
2009	State	The Food Alliance	Food Alliance: A Market-based Incentive for Conservation of Wildlife Habitat	To develop certification standard for protection and enhancement of wildlife habitat and to promote marketing incentive for the protection and enhancement of wildlife habitat in Oregon.	To refine Food Alliance's certification standard for protection and enhancement of wildlife habitat, enhance NRCS inventory protocols and provide marketing incentive to farmers in Oregon.	Criteria for assessing biodiversity management, Whole farm inventory worksheet and criteria for developing a biodiversity plan.	<a href="http://foodalliance.org/get-certified">http://foodalliance.org/get-certified</a>

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2009	State	Benton Soil & Water Conservation District	The Soil Quality Project	To develop and evaluate a set of soil quality assessment and management practices (through the adoption of the Cornell University Soil Assessment Guide) that will aid organic producers. Validate Cornell's protocols to Oregon.	The purpose is to develop and evaluate a set of soil quality assessment and management practices that will aid organic producers and complement the Oregon NRCS Environmental Quality Incentives Program (EQIP)	Soil Quality case study report, Soil sampling protocols	<a href="http://www.bentonswcd.org/">http://www.bentonswcd.org/</a>
2010	State	Defenders of Wildlife	Metrics for Three Oregon Priority Habitats	Develop metrics for three priority habitats for use in outcome based payments for ecosystem service programs, voluntary and regulated markets.	The purpose is to develop metrics for three priority habitats in Oregon (oak woodland, bottomland hardwood forest, and sage) which will become part of a coordinated effort in the Northwest to develop functions-based accounting tool for use in programs that provide conservation incentives, payments for ecosystem services, and market-based approaches.	Floodplain, Oak Habitat, and Sagebrush Users Guide plus associated metrics calculators	<a href="http://www.defenders.org/">http://www.defenders.org/</a>
2010	State	Oregon Environmental Council	Climate Friendly Nurseries	Develop proven, practical, cost effective recommendations, tools and outreach materials to enable OR. nurseries to measure and reduce GHG emissions.	The purposes to develop proven, practical, cost effective recommendations, tools and outreach materials to enable the Oregon nursery industry to measure and reduce greenhouse gas emissions.	Best Management Practices for Climate Friendly Nursery Guide book and the Green House Gas Calculator	<a href="http://climatefriendlynurseries.org/">http://climatefriendlynurseries.org/</a>
2011	State	Willamette Partnership	Incentives Trifecta: Merging Eco-Labels, Ecosystem markets, and ESA Assurances	Project will merge eco-labeling, eco-markets, and ESA compliance on farms in Oregon. Project will also explore opportunities for programmatic ESA compliance with Eco-labels and ecosystem markets.	To increase adoption of on-farm conservation practices and certifications that provide market incentives and NEPA protection.	Anticipated product in 2015	<a href="http://willamettepartnership.org/">http://willamettepartnership.org/</a>
2011	State	IRZ Consulting	Lower Columbia Basin Water Enhancement Project	Project will demonstrate soil moisture monitoring and data processing to producers using capacitance based sensors, satellite technology and advance software.	Demonstrate advance irrigation monitor systems in the Lower Columbia Basin in Oregon to reduce irrigation needs and energy consumption	Soil Moisture Monitoring and Irrigation Scheduling Guide document and Demonstration report	<a href="http://www.irz.com/">http://www.irz.com/</a>
2011	State	Oregon Small Tree Nursery;	A Demonstration of a Sustainable, Low Water Use, Commercial Nursery Irrigation System for Medium Sized Conifers Using Rainwater and Sand Beds, with Additional Focus on Data Regarding Growing Medium Conditions in Such a System	Project will utilize rain water catchment technology on a tree nursery in use with hydroponics/sand filters.	To prevent leaching of nutrients and make better fertilizing and water application decisions.	Anticipated product in 2014	<a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/programs/?cid=nrcs142p2_044_081">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/or/programs/?cid=nrcs142p2_044_081</a>
2011	State	Northwest Sustainable Energy for Economic Development	Energize Oregon On-Farm Energy Project	Project will create low-risk opportunities to implement on-farm energy projects.	To allow farmers and ranchers to reduce or offset their energy use, displace fossil fuels, address future energy costs and reduce their environmental impact.	Anticipated product in 2014	<a href="http://www.nwseed.org/">http://www.nwseed.org/</a>

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2012	State	Northwest Center for Alternatives to Pesticides	Implementing Prevention and Avoidance for Mummy Berry Disease in Blueberries	The project is to implement prevention and avoidance methods/techniques for management of mummy berry disease and reduce fungicide treatments for the protection of water quality.	IPM principles (developed by OSU) to reduce mummy berry disease will be demonstrated on local farms. Methods and techniques will be published in the Northwest Pest Management Guides and other publications	Anticipated product in 2015	<a href="http://www.pesticide.org/">http://www.pesticide.org/</a>
2012	State	Oregon Cattleman's Association	Oregon Habitat Monitoring Initiative is an innovative, standardized, landowner/operator-based rangeland monitoring program in Oregon.	To develop a standardized, landowner/operator-based rangeland monitoring program that will be accepted by State and Federal agencies statewide in Oregon.	The purpose of this project is to bring together multi agency representatives and ranchers to establish an innovative monitoring program for the assessment of upland and riparian resources through the identification of plant communities.	Anticipated product in 2016	<a href="http://www.orcattle.com/">http://www.orcattle.com/</a>
2012	State	Oregon State University	Simple Scientific Irrigation Scheduling System	To provide Oregon Growers with an online tool for utilizing Agrimet weather data for scientific irrigation scheduling. Produce an open source version of the simplified scheduling application and promote the system to irrigation districts across Oregon.	The purpose of the project is to provide landowners and land managers an easy to use irrigation scheduling tool to control application of irrigation water to the field.	Anticipated product in 2015	<a href="http://oregonstate.edu/">http://oregonstate.edu/</a>
2012	State	Yamhill Soil and Water Conservation District	Vineyard Chemical and Spray Drift Reduction Program	Provide cost share using a programmatic approach to vineyards greater than 20 acres in size to provide incentive for retrofit their air blast sprayers to a more efficient tunnel sprayer. Provides education to landowners on percussion agriculture through work shops and tours.	To reduce non-point pollution sources by reducing drift and increasing spray contact efficiency. Effectiveness will be evaluated using pre-implementation and post-implementation comparison of chemical records to measure efficiency gains and chemical usage.	Anticipated product in 2016	<a href="http://yamhillswcd.wordpress.com/">http://yamhillswcd.wordpress.com/</a>
2013	State	Santiam Water Control District	Real Time Flow Monitoring and Automation Project	install a modernized flow monitoring and data logging system including equipment to automate a main diversion head gate identified in the state CIG water quantity subcategory. The project would demonstrate the benefits of real time flow information as it relates to improving the District's efficient operation of our water distribution system.	The purpose of the proposed project is to demonstrate remote access and monitor of real time stream flow information to regulate irrigation water on complex irrigation systems	Anticipated product in 2015	<a href="http://www.owrc.org/content.php?v=30712">http://www.owrc.org/content.php?v=30712</a>
2013	State	Washington State University	Medusahead - Suppressive Soil Bacteria to Improve Livestock Forage and Sage-Grouse Habitat Quality	The project will be integrated with ongoing efforts in the Keating Valley to address medusahead in sage-grouse habitat via the Cooperative Conservation Partnership Initiative (CCPI). Sage-grouse habitat improvement is the major goal of the CCPI project. This project aims to restore rangeland health and function in sagebrush steppe and rangeland sites overtaken by medusahead.	The purpose is to demonstrate and evaluate the use of bacterium P.f.ACK55on Medusahead on private lands in the Keating Valley near Baker City, Oregon; and incorporate this new tool into an integrated ranch management plan, and develop it as a conservation practice for USDA programs.	Anticipated product in 2016	<a href="http://www.wsu.edu/">http://www.wsu.edu/</a>
2013	State	Wasco County Soil and Water Conservation District	Increasing Fertilizer and Pesticide Application Efficiencies in Long Term Direct Seed System. To incorporate and demonstrate a comprehensive precision agriculture technology in 15 mile and White River Watershed.	Provide a cost share incentive to Improve soil and water quality and reduce energy inputs in a wide scale adoption of "state of the art" precision agricultural technologies by incorporating telecommunications transfer system that will provide real time data transfer from the field to office settings.	The purpose is to incorporate and demonstrate a comprehensive precision agriculture technology in 15 mile and White River Watershed that will record, download and transmit real time data through the use of cell phone modem technology.	Anticipated product in 2016	<a href="http://wascoswcd.org/">http://wascoswcd.org/</a>