

### Fiscal Year 2012 Conservation Innovation Grants Results

Entity Name:	Project Title:	Funds Awarded	Project Location- State(s):
Alliance for the Chesapeake Bay, Inc	Facilitating forest-based offsets in water quality trading	\$ 437,756	PA, MD, VA
American Farmland Trust	Coupling precision agriculture with water quality credit trading	\$ 221,364	IL, IN, KY, OH
American Society of Agronomy	Assessment of Conservation Innovation Grants (CIG) Nutrient Management Projects and Recommendations for Future Adoption and Incorporation into Practice Standards	\$ 20,000	US
Board of Regents of the University of Wisconsin System	P Index and Snowmelt Runoff Risk Assessment: Demonstration and Refinement	\$ 134,850	WI
Board of Regents, University of Nebraska-Lincoln	Impact of rotational cover crops on soil quality parameters, soil water holding capacity, soil-water retention curves, and field-scale water balance dynamics	\$ 490,340	NE
Borough of Chambersburg	Local Utilization of Agricultural Credits Program	\$ 336,150	PA
Cascade County Conservation District	Agricultural application of an innovative mid-scale wind turbine design.	\$ 1,000,000	MT
Chesapeake Bay Foundation	Operationalizing Water Quality Trading in the Chesapeake Bay	\$ 700,880	VA, PA
City Roost, LLC	Converting to No-Till on a functioning for-profit urban vegetable farm	\$ 51,942	SC
Clark Fork Coalition	Evaluation of Watson Horizontal flat-rate fish screen in Montana	\$ 54,066	MT
Clemson University	Demonstration of Innovative Interseeding Technology for Crop Rotations to Enhance Soil Properties and Reduce Energy Consumption and Pest Occurrence While Optimizing Farm Profits.	\$ 351,585	SC
Colorado State University	Learning from the land: Extending state-and-transition models for adaptive management of western rangelands	\$ 428,102	CO
Commonwealth of Virginia, Department of Conservation & Recreation	Building the infrastructure for expanded use of nutrient credits in Virginia	\$ 600,000	VA
Electric Power Research Institute, Inc (EPRI)	A Credit Trading Registry for the Ohio River Basin Water Quality Trading Project	\$ 1,000,000	OH, KY, IN
Indiana Association of Soil and Water Conservation Districts (IASWCD)	Conservation cropping systems for soil health and productivity	\$ 834,088	IN
Kansas State University	Development and adoption of no-till and minimum tillage vegetable production systems in the Midwest	\$ 221,282	KS, MO
Kosciusko County Soil and Water Conservation District	Cover Crops: Planting the Way to Nitrogen Management at the Watershed Scale in a Combined Conservation Approach	\$ 184,347	IN
Illinois River Watershed Partnership	Improving Dissolved Phosphorous in Runoff with Water Quality Improvement Structures	\$ 132,823	OK, AR
Maryland Department of Agriculture	Fostering a sustainable marketplace for agricultural water quality credits and offsets for intra and interstate trading	\$ 500,000	MD
Maryland Department of Agriculture	Creating a Certainty Program for Producers by Utilizing an On-Farm Nutrient Assessment and BMP Credit Tool Consistent with the Maryland Watershed Implementation Plan	\$ 623,175	MD

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Michigan State University	Building soil quality with strategic integration of low-impact tillage, cover crops and organic inputs	\$ 321,667	MI
Michigan State University	A Hybrid Biodiesel/Biogas Energy Production System	\$ 117,476	MI
Moody County Conservation District	Central Big Sioux River water quality trading program development	\$ 403,000	SD, MN
Morgan Soil & Water Conservation District	The Wind Works	\$ 78,000	OH
National Association of State Conservation Agencies	Developing National Assessment Standards for Agricultural Certainty to Operate	\$ 79,000	US
National Fish and Wildlife Foundation	Creating a toolkit for assessment and mitigation of agricultural operations to benefit coral reefs	\$ 230,000	GU, AS, MP, PR, VI, HI, FL
NatureServe	NatureServe and NRCS regional collaboration: Data and technology transfer to enhance & Support Ecological Site Habitat and Wildlife Management	\$ 68,000	MN, WI, IA, IL
North Carolina State University	Refine and Regionalize Southern Phosphorous Assessment Tools Based on Validation and State Priorities	\$ 472,962	AR, FL, GA, KY, MS, NC, OK, SC, TN, TX
North Carolina State University	Ammonia recovery from swine urine liquid with selective membrane technology	\$ 293,151	NC
North Carolina State University	Development, evaluation, and demonstration of simple tools for nitrogen credit trading system involving drainage water management	\$ 169,792	NC, OH, MN, IL, IA, IN
North Dakota State University	Drainage, Plant type, Cover Crops Mixtures, Soil Amendments, and Residue Cover Impacts on Soil Health, Crop Nutrient Uptake, Water Quality, and Productivity in the Northern Great Plains	\$ 915,785	ND, SD
Oklahoma State University	Systems-based cropping 2.0: leveraging soil health demonstrations through Web-based tools	\$ 300,690	OK
Purdue University	Systems to Manage Swine Manure After Wheat: Fallow, Soybean, or Cover Crops	\$ 177,646	IN
Rocky Mountain Bird Observatory	Informing habitat enhancement and fence-marking projects to increase Greater Sage-grouse and other sagebrush obligate bird populations	\$ 256,611	CO, WY, UT, MT, NV, ID, OR, ND, SD
Rocky Mountain Front Weed Roundtable	Implementation of a Cost-effective, Broad-scale, Integrated Weed Management Model	\$ 220,000	MT
Sotoyome Resource Conservation District	Developing a Water Quality Credit Trading Framework for California Agriculture in a Market with Demand	\$ 567,777	CA
Sustainable Conservation	Demonstrate and quantify the effectiveness and economics of a Reciprocating biofilter (ReCip) for removal of lagoon water nitrogen on a commercial dairy in California's San Joaquin Valley	\$ 483,950	CA
The Curators of the University of Missouri	Validate, improve and regionalize phosphorus indices to reduce P loss across the Heartland region	\$ 531,622	IA, KS, MO, NE

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The Curators of the University of Missouri	Multipurpose Cover Crop and Conservation Practices for a Sustainable Agricultural System to Improve Soil Health, Environmental Quality and Farm Productivity	\$ 501,850	MO
The Nature Conservancy	Bundling in-field and off-field nutrient practices to reduce nutrient export, improve drinking water quality, and address hypoxia in the Gulf of Mexico	\$ 536,173	IL
The Ohio State University	Evaluating/Updating the Ohio Phosphorus Risk Index Using Field-Scale, Edge-of-Field Monitoring Data	\$ 999,987	OH
The Pennsylvania State University	Refining and Harmonizing Phosphorus Indices in the Chesapeake Bay Region to Improve Critical Source Area Identification and to Address Nutrient Management Priorities	\$ 801,535	PA
The Pennsylvania State University	Maximizing conservation in the Chesapeake Bay watershed with an innovative new 3-way interseeder to early establishment of cover crops in no-till corn and soybean	\$ 688,684	NY, PA, MD
The Regents of the University of California	Farming for native bees	\$ 116,656	CA
The Regents of the University of California	Optimizing water and nitrogen use efficient tillage and legume cover crop systems for California tomato and cotton production	\$ 333,074	CA
The University of Tennessee	On-Farm Production and Utilization of Energy to Meet Wintertime Heating Needs at Broiler Chicken Grow-out Farms	\$ 502,916	TN
The University of Tennessee	Energy Conservation for Organic High Tunnel Production through Rain Water Utilization, Ventilation Management, Soil Mulches and Cover Crops	\$ 257,130	TN
The University of Vermont and State Agricultural College	Energy savings through holistic planned grazing and management	\$ 66,365	WV, PA, NY, NH, NJ, VT, ME, CT, RI, MA, OH, MD, DE, VA
The Xerces Society, Inc	Next steps in pollinator conservation: Operations and maintenance, organic habitat restoration, expanding seed mix choices, and assessing conservation effectiveness	\$ 997,815	CA, OR, MN, MI, WI, NJ, PA, MA, NH, FL, WY, MT, IN, TX
Tolani Lake Enterprises, Inc	Navajo/Hopi Solar-Powered Irrigation Pumping Systems -- Pilot Demonstration Projects	\$ 431,703	AZ
Trout Unlimited	Methow Basin Water Exchange	\$ 219,006	WA
Tuskegee University	Tuskegee University-Black Belt Photo-irrigation Project (TU-2BP)	\$ 996,500	AL
University of Arkansas	Identify Methods to Refine Phosphorus Indices and Synthesize and Extend Lessons and Outcomes from Three Regional Indexing Efforts	\$ 57,924	DE, MD, NY, PA, VA, WV, IA, KS, MO, NE, AR, FL, GA, KY, MS, NC, OK, SC, TN, TX
University of Arkansas Division of Agriculture, Cooperative Extension Service	Expanding the Implementation Capacity of Practice 799	\$ 969,299	AR

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University Of Delaware	Innovative Approaches to Capture Nitrogen and Air Pollutant Emissions from Poultry Operations	\$ 967,461	DE, AR, PA
Vermont Agency of Agriculture, Food & Markets	Nutrient trading system establishment in Vermont	\$ 781,226	VT
West Virginia University Research Corporation	Improving soil health and nutrient recycling with cover crops for beginning high tunnel specialty crop growers	\$ 82,911	WV
Willamette Partnership	Multi-state Agency guidance for water quality trading: State agencies building shared trading policies & tools for the Pacific Northwest and beyond	\$ 1,589,751	OR, WA, ID
Wy'East Resource Conservation and Development Council, Inc	VARIABLE SPEED DRIVE ENERGY OPTIMIZATION	\$ 163,645	OR
		<b>\$ 26,071,490</b>	