
AGRICULTURE PROJECTS FUNDED IN MARYLAND
by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2009

Summary: Maryland has received \$3,119,086 to support 85 projects, including 29 research and/or education projects, six extension projects and 44 producer-led projects. Maryland also has received additional SARE support through multi-state projects.

State sustainable agriculture extension coordinator(s): Laura Hunsberger, Univ of Maryland
 Berran Rogers, University of Maryland,
 Eastern Shore

Project #	Project Title	SARE support	Project Leader	Organization
LNE08-274	Cover Crops for Sustainable Pest Management and Soil Quality in Production Nurseries	\$175,920.00	Paula Shrewsbury	University Of Maryland
LNE06-241	An integrated approach to developing a day-neutral strawberry production industry	\$88,700.00	Willie Lantz	MD Coop Ext. Garrett Cty
LNE05-232	High Tannin Grain Sorghum as a Possible Natural Anthelmintic for Sheep and Goats	\$100,000.00	Niki Whitley	UMES
LNE05-224	Increasing Economic and Environmental Sustainability of Aquaculture Production Systems Through Aquatic Plant Culture	\$159,309.00	Andrew Lazur	UMD Ctr for Env. Sciences
LNE04-201	Optimizing Environmental Benefits From Riparian Buffers in Maryland	\$123,977.00	Galen Dively	University of Maryland □ Entomology Dept.
LNE04-213	Environmental and Economic Effects of Management-Intensive Grazing on Dairy Farms - Phase II	\$16,963.00	Ray Weil	UMD-Dept. of Environmental Science and Technology
LNE04-211	Mid-Atlantic Sheep & Goat Marketing Project	\$31,000.00	Susan Schoenian	UMD Coop Ext. □ West. MD R&E Ctr.
LNE04-206	Season Extension and Cultivar Evaluations for Increasing Farmer Profitability Using High Tunnels in the Baltimore/Washington Metropolitan Marketing Area	\$94,650.00	Ginger Myers	Future Harvest, Chesapeake Alliance for Sustainable Agriculture

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LNE03-180	Optimization of Cover Crop Strategies for Pumpkin Production in the Mid-Atlantic	\$99,613.00	Kathryne Everts	University of Maryland and University of Delaware
LNE03-190	Small Ruminant IPM Project	\$49,830.00	Susan Schoenian	UMD Coop Ext./West. MD Res. & Ed. Ctr.
LNE03-193	Sustainable Pasture Lamb Production	\$147,495.00	Niki Whitley	University of Maryland Eastern Shore- Maryland Cooperative Extension
LNE03-192	Multipurpose Brassica Cover Crops for Sustaining NE Farmers	\$158,570.00	Ray Weil	University of Maryland-NRSL
LNE02-167	Enhancement, Implementation and Evaluation of Biologically Based Pest Management Tactics for Three Key Pests in Production Nurseries - Moving Towards Sustainability	\$138,636.00	Paula Shrewsbury	University of Maryland - Dept. of Entomology
LNE01-152	Environmental and Economic Impacts of Management-Intensive Grazing on Dairy Farms	\$131,795.00	Ray Weil	University of Maryland - College of Ag. & Natural Resources
LNE01-145	Improving Sustainable Enterprise Selection and Marketing Skills Through Business Skills Training	\$4,320.00	Ginger Myers	Howard County Economic Development Authority
LNE00-140	MicroDairy: Creating a Profitable 5-Cow Dairy	\$168,590.00	Frank Kipe	Old Springhouse Farm
LNE00-131	Development and Evaluation of Management Alternatives for Root Knot Nematodes and Volunteer Potatoes	\$128,900.00	Kathryne Everts	University of Maryland
LNE98-111	Use of Hoop Structures for Growing-Finishing Swine on the Delmarva Peninsula	\$32,000.00	Mark Estienne	University of Maryland Eastern Shore
LNE97-084	Design and Implementation of a Searchable Database on Compost Production and Use for Internet Users	\$20,000.00	Patricia D. Millner	USDA-ARS

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LNE96-069	Soil Test for Active Organic Matter: A Tool to Help Assess Soil Quality	\$100,000.00	Ray Weil	University of Maryland, Dept. of Agronomy
LNE95-061	Resource Conservation & Environmental Stewardship in the "Maryland Ag in the Classroom" Curriculum Guide	\$70,000.00	Richard R. Leader	Chesapeake Audubon Society/Pickering Creek Environmental Center
LNE95-055	Control of Gastrointestinal Nematodes in Dairy Cattle Under Intensive Rotational Grazing Management	\$45,000.00	Louis Gasbarre	USDA-ARS
LNE95-052	Fescue Endophyte Research Study	\$9,632.00	Craig Hartsock	Allegheny Soil Conservation District
LNE95-062	Managing Dairy Waste Using Constructed Wetlands & Composting	\$110,305.00	Andrew Baldwin	University of Maryland, Biological Resources Engineering
ANE91-005	Alternate Management of Leafhopper Pests in Integrated Farming Systems: Demonstration of Biological and Cultural Controls	\$62,400.00	Nicholas C. Maravell	Maryland Organic Food and Farming Association
ANE91-003	Use of the Pasture Disk Meter to Promote Wider use of Conservation Winter Covers by Providing a Rapid Method of Accurately Measuring Winter Legume Nitrogen	\$23,000.00	Morris Decker	University of Maryland
LNE91-027	An Integrated Response to Pollination-Related Problems Resulting from Parasitic Honey-Bee Mites, the Africanized Honey Bee, and honey-bee pathogens	\$100,000.00	Nicholas Calderone	ARS Bee Research Laboratory
LNE89-013	Winter Cover Crops for Corn Production in the Northeast: N Balance and Soil Moisture Status	\$105,000.00	Morris A. Decker	University of Maryland
LNE88-003	Role of Cereal Grain Cover Crops in Nitrogen Management for the Chesapeake Bay Region	\$150,000.00	Russell Brinfield	University of Maryland
PROFESSIONAL DEVELOPMENT PROJECTS				
ENE98-038	Organic Grain Production Another Way	\$90,100.00	John Hall	University of Maryland

Project #	Project Title	SARE support	Project Leader	Organization
ENE98-046	Conducting On-Farm Research: Enabling Farmers to Implement Sustainable Change in Agriculture	\$50,000.00	Kathryne Everts	University of Maryland Eastern Shore
ENE98-044	Locally Led Farmer Groups for Sustainable Agriculture: The Study Circle Approach	\$6,500.00	Jim Hanson	University of Maryland Cooperative Extension
ENE97-033	Riparian Buffer Training (Enhancement, Installation, and Management of Riparian Buffer Systems)	\$20,500.00	Robert Tjaden	Univ. of MD Cooperative Ext. Service
ENE96-022	Video Training on Improving Water Quality Featuring Farmers and Their Practices in the German Branch Watershed	\$24,351.00	James Hanson	University of Maryland Cooperative Extension Service
ENE96-024	Training, Networking and Demonstrating Whole Farm Forage Grazing Systems	\$60,000.00	Elmer M. Dengler	USDA -- NRCS

GRANTS TO FARMERS

FNE08-647	Propagating Day Neutral Strawberry Plugs for Fall Planting	\$3,395.00	Jim Strawser	Brookview Farm
FNE08-630	Increasing Profitability: Building Consumer Preference for Chevron through Education and Outreach	\$10,000.00	Jeanne Dietz-Band	Many Rocks Farm
FNE08-631	Testing Two Selection Assays' efficacy for Varroa Mite Tolerant Queen Bee (<i>Apis mellifera</i>) Production	\$4,347.00	Adam Finkelstein	VPQueen Bees
FNE08-635	Expanded Use of Minimal Till Techniques in Organic Crop Production	\$7,335.00	Edwin Fry	Fair Hill Farms Inc
FNE07-620	Assess and quantify the benefit of alternative and renewable energy for greenhouse operators	\$8,800.00	John Shepley	Emory Knoll Farms, Inc.
FNE06-592	Energy conservation for aquaculture in renovated poultry houses in Maryland and Delaware	\$5,770.00	Chris Stephens	Nick's Crustaceans
FNE06-594	Sustainable livestock farming: Promotional video and teaching tool	\$8,830.00	Robin Way	Rumbleway Farm

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FNE05-546	Using Ultrasound Scanning and Performance Testing Technology to Increase Loineye Area in Lamb	\$5,785.00	John Hall	Hall & Suffolks
FNE04-532	Verifying New Sustainable Methods for Small Ruminant Parasite Control	\$3,300.00	Karen Taylor	
FNE04-517	Enhancing the Maryland Nursery Industry's Ability to Improve Water Quality and Increase Profit	\$9,900.00	Leslie Hunter-Cario	Environmental Concern, Inc.
FNE03-477	Farrow to Finish Premium Pastured Pork		Errol Mattox	
FNE03-492	Raising Goats on Pasture Alone or With Grain Supplementation	\$2,907.00	Kurt Schuster	
FNE03-497	Sustainable Methods for Small Ruminant Parasite Control	\$1,892.00	Karen Taylor	All Seasons Farm
FNE02-402	Use of Corn Gluten Meal to Reduce Weeds in Beet Fields	\$2,356.00	David Barylski	
FNE02-427	Indoor Raspberry Production	\$7,633.00	Wayne Lockwood, Sr.	Lockbriar Farms
FNE02-447	Determination of Omega-3 Fatty Acid in Pastured Raised Meat Rabbits		Robin Way	Rumbleway Farm
FNE02-426	Production of Strawberries in November and December	\$9,927.00	David Lankford	Davon Crest Farm LLC
FNE02-424	Effect of Straw, Leguminous and Non-Leguminous Cover Crops on Productivity and Weed Suppression in Organically Managed Asparagus Beds	\$864.00	Michael & Michelle Klein	Good Fortune Farm
FNE01-374	Evaluate Standard Turkeys for the Small Scale Producer	\$751.00	David Fritz	
FNE01-376	Maximizing Nitrogen and Phosphorous Efficient in a Managed Intensive Grazing	\$4,481.00	Judy Gifford	St. Brigid's Farm
FNE01-382	Effect of Wood Chip Mulch, Leguminous and Non-Leguminous Cover Crops on Productivity and Weed Suppression n Organically Managed Asparagus Beds	\$3,583.00	Michael Klein	Good Fortune Farm
FNE01-357	Performance and Economics of Feeding Meat Goats in old Poultry Houses	\$1,420.00	Richard Blevins	Twin Oak Farms

Project #	Project Title	SARE support	Project Leader	Organization
FNE00-336	Direct Marketing Alternatives	\$3,900.00	Alan Girard	Pickering Creek Audobon Center
FNE00-311	Use of Predacious Phytoselid Mite, Amblyselus Cucumeris, and the Entomopathogenic Fungus, Beauveria Bassiana, for Control of Western Flower Thrips in a Commercial Bedding Plant Production	\$2,874.00	Gary Magnum	
FNE00-296	On-Site Demonstration for Replacing Broadcast Herbicide with Cultivation of Banded Herbicide in Corn	\$5,426.00	Ray Crow	Caw-Croft Farm
FNE00-299	Row Crop Flamer Weed Control	\$4,500.00	Edwin Fry	Fair Hill Farms, Inc.
FNE00-305	Wine Grape Production in Harford County	\$822.00	Robert D. Halman	Ole 9 Vineyard
FNE99-267	Amending Soils to Produce Blueberries in Maryland	\$1,523.00	Guy & Lynn Moore	
FNE99-278	Warm-Season Grass Demonstration for Dairy Farms	\$2,520.00	Harry Strite	
FNE99-265	Mulching with Black Plastic Drainage Pipe	\$2,390.00	Lawrence MacDonald	
FNE99-263	No-till Transplanted Watermelons in Rye Cover Crop	\$5,308.00	Mike Malone	
FNE99-268	Improving Protein Utilization in Grazing Dairy Cows by Supplementing the Diet with Liquid Molasses	\$4,175.00	Ginger Myers	
FNE99-271	Phosphorus Content of Composts	\$7,055.00	Eric Rice	
FNE99-257	Dairying in Harford County, Maryland: Transition to Intensive Grazing	\$6,050.00	David Keyes	
FNE99-251	Sustainable Organic Production of Blueberries in Maryland	\$4,384.00	Robert G. Hamilton	Hybridoma Farm
FNE99-287	Ginseng Dead-Heading: Determining the Effects of Removing Seed-Producing Flowers from Woods-Grown Ginseng	\$2,363.00	Steve & Karen Galloway	

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FNE99-269	Evaluating a No-till Transplanter for Organic Vegetable Production	\$3,072.00	Drew Norman	
FNE99-261	Garlic Based Spray on Cabbage Worms	\$1,040.00	David Lever	Mary's Delight Farm
FNE98-207	Development of a Potting Media Utilizing Composted Poultry Litter	\$1,744.00	Jay Martin	Silver Seed Greenhouses
FNE98-202	Evaluating Raised Beds and Various Mulches for Vegetable Production	\$3,120.00	Ed Armacost	
FNE97-187	Mixed Field Forage	\$2,230.00	Darryl Walker	
FNE96-148	Improving Aquaculture Productivity & Safety with Dockside Elevator Systems	\$3,869.00	Richard Pels	
FNE95-104	Season Extension Through Annual Organic Strawberry Production & Fall Vegetable Production	\$4,705.00	Eric Rice	
FNE93-012	Bio-Control of Corn Earworm and European Corn Borer in Sweet Corn	\$1,510.00	Nicholas C. Maravell	Nick's Organic Farm

Community Innovation

CNE08-047	Expanding and Strengthening a Network of Farmers to Support a Local Foodshed	\$5,660.00	Laura Hunsberger	Lower Eastern Shore Sustainable Organic Network
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On-Farm Grants

ONE09-104	Developing a Cost Effective Energy Efficient Greenhouse Using Solar Heating to Extend the Growing Season	\$6,960.00	Willie Lantz	Maryland Cooperative Extension
ONE08-086	Organic Dried Bean Production in Mid-Atlantic	\$7,395.00	Laura Hunsberger	UMD Extension - Worcester County Extension
ONE06-060	Short cycling an approach to successful organic strawberry production	\$4,654.00	William Lantz	Garrett-Preston RC&D
ONE05-045	Promoting Pollinators on Maryland's Working Landscapes	\$9,535.00	Annette Meredith	Univ. of Maryland

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ONE03-015	Double-Crop Forage Systems for Dairy Farms	\$9,970.00	Don Schwartz	Maryland Cooperative Extension

Total funding from USDA SARE program to Maryland = \$3,119,086

For further information on projects, contact Helen Husher, Northeast Region SARE Communications Specialist, 802-656-0554, helen.husher@uvm.edu, 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.