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

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Summary: Pennsylvania has received \$9,509,456 to support 200 projects, including but not limited to, 55 research and/or education projects, 20 extension projects and 87 producer-led projects. Pennsylvania also has received additional SARE support through multi-state projects.

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State sustainable agriculture extension coordinator(s): Charlie White, Penn State

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leader</b>	<b>Organization</b>
LNE11-309	Adding Value to Oilseed Crops by Producing Food Quality Oils	\$138,896.00	Douglas Schaufler	The Pennsylvania State University
LNE10-303	Development and implementation of an equine environmental stewardship program	\$135,000.00	Ann Swinker	The Pennsylvania State University
LNE10-296	Identification, assessment and management of soil-borne plant pathogens in vegetable production systems in the Northeast	\$124,851.00	Beth Gugino	The Pennsylvania State University
LNE10-295	Reducing plastic mulch use by expanding adoption of cover-crop-based no-till systems for vegetable producers	\$144,962.00	Alison Grantham	Rodale Institute
LNE09-288	Non-chemical control of wood boring insects affecting apple and peach	\$103,022.00	Greg Krawczyk	Pennsylvania State University, Department of Entomology, Fruit Research and Extension Center
LNE09-291	Sustainable Cropping Systems for Dairy Farms in the Northeastern US	\$400,000.00	Heather Karsten	The Pennsylvania State University
LNE09-286	Improving the efficiency of nitrogen use and reducing ammonia emissions from Pennsylvania dairies	\$179,940.00	Alexander Hristov	Pennsylvania State University
LNE08-276	On-Farm Training and Participatory Learning: Biologically-based IPM and Sustainable Farming Practices for Amish and Mennonite Vegetable Growers	\$143,991.00	Cathy Thomas	PA Dept. of Agriculture

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LNE08-268	Increasing Cropping System Sustainability through the Adoption of Cover Crop and Rotational No-Till Strategies	\$144,815.00	Paul Hepperly	Rodale Institute
LNE07-251	Enhancing cut flower production and marketing for produce growers: methods of diversification into proven niches, Part II	\$85,900.00	Steven Bogash	Penn State Univ. □ Franklin Cty Coop Ext.
LNE07-258	Empowering dairy farmers to build a cottage industry	\$116,901.00	Allison Shauger	PASA
LNE06-248	Pennsylvania regional organic fruit industry transition	\$99,208.00	James Travis	Penn State University
LNE06-236	Adoption of grass-fed beef management practices	\$58,594.00	John Comerford	Penn State Univ.
LNE06-239	Diversifying with small ruminants for profitability	\$85,340.00	Heather House	PASA
LNE06-247	Teaching farmers to make BioDiesel fuel from waste vegetable oil	\$46,476.00	Matthew Steiman	Wilson College
LNE06-244	Integrated cover crop innovations for biologically-based no-till	\$118,310.00	Jeff Moyer	Rodale Institute
LNE05-219	Farm to Chef: Increasing Farmer and Chef Capacity for Marketing and Purchasing Agricultural Products in Western Pennsylvania	\$96,571.00	David Eson	PASA
LNE05-216	Using Cover Crops and Crop Diversity to Optimize Ecologically-based Weed Management	\$98,732.00	William Curran	Penn State University
LNE05-227	In Search of Sustainable Botrytis Management: An Extension and Research Effort	\$87,374.00	Elsa Sanchez	Penn State Univ.
LNE05-226	WAgN: Sustainable Ag. Network by and for Women Producers	\$138,292.00	Carolyn Sachs	Penn State University
LNE05-234	Focus on Organic Dairy: An Integrated Program for Pennsylvania Producers	\$149,277.00	Leslie Zuck	Pennsylvania Certified Organic
LNE04-209	Pennsylvania Food Education to Increase Consumption of Locally Grown Food	\$61,863.00	Karima Rose	The Food Trust
LNE04-212	Winter harvest: Teaching a Successful Local Food Model from Urban Philadelphia	\$35,756.00	Brian Snyder	PASA

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LNE04-195	Enhancing Cut Flower Production and Marketing for Produce Growers; Methods of Diversification into Proven Niches	\$73,241.00	Steve Bogash	Penn State Coop Ext. Franklin Cty.
LNE04-196	Sustaining Northeast Farms for Future Generations	\$148,500.00	Marion Bowlan	Pennsylvania Farm Link
LNE03-191	Youth Voices in Agriculture	\$49,007.00	Maria van Hekken	The Food Trust
LNE03-188	Sustainable Parasitic Mite Control Program for Honey Bees	\$134,710.00	Nancy Ostiguy	Penn State University
LNE03-179	On-Farm Production of Mycorrhizal Fungus Inocula	\$129,849.00	David Douds, Jr.	USDA-East. Regional Research Ctr.
LNE03-176	Greenhouse IPM for the Amish and Mennonite Community of Lancaster County	\$56,890.00	David Bingaman	PA Dept. of Agriculture
LNE03-181	Compost Tea for Disease Management in Horticultural Crops	\$147,956.00	Paul Hepperly	Rodale Institute
LNE02-164	Biological Control Practices for High Tunnel Crop Production	\$125,314.00	Michael Orzolek	Pennsylvania State University
LNE02-174	Low-Income Community Markets Initiative	\$133,813.00	Duane Perry	The Food Trust
LNE02-159	Use of Horticultural Oils for Mite Management in Fruit Orchards	\$39,281.00	Greg Krawczyk	Penn State University
LNE01-150	Use of Composts in Grapes for Improving Vine Health and Soils	\$149,732.00	James Travis	PSU
LNE00-134	Promoting Sustainable and Locally Grown Farm Products	\$159,253.00	R. Duane Perry	Farmers' Market Trust
LNE98-099	Creating a Farmers-Owned Value-Added Production/Processing Facility for Dairy Farmers in Central PA; A Joint Farmer/Community R&D Project	\$40,000.00	Joe Detelj	Union County Chamber of Commerce
LNE96-077	Sea Change Urban Horticulture Center: Sustainable Agriculture Initiatives	\$156,500.00	Rosalind Johnson	Sea Change Inc.
LNE96-072	Sustaining Grape Production in the Northeast through Farm-tested Information Technologies	\$147,943.00	James Travis	Pennsylvania State University

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LNE96-070	Enhancement of Sustainable Pest Management Techniques through Utilization of Banker Plants and Colored Mulches in Commercial Greenhouses	\$144,774.00	Michael Orzolek	Pennsylvania State University
LNE96-078	Seed Saving and Biodiversity in the Northeastern United States	\$20,000.00	Carolyn Sachs	Pennsylvania State University
LNE93-038	Biodiversity Education through the Pennsylvania Forest Stewardship Program	\$23,508.00	James Finley	Pennsylvania State University
LNE93-037	Integrating Stewardship Forestry into Total Farm Management	\$48,408.00	James Finley	Pennsylvania State University
ANE92-016	Development of a Sustainable Apple Production System for the Northeast (LNE88-01,LNE88-001B)	\$164,200.00	Terry Schettini	Rodale Institute
ANE92-013	Development, Demonstration, and Implementation of a Low Input, Sustainable Potato Integrated Crop Management Program	\$25,000.00	Zane Smilowitz	Pennsylvania State University
LNE92-032	A Living Laboratory/Classroom for the Integration of Research and Education Efforts on Alternative Vegetable Production Systems	\$128,400.00	Michael Dann	Penn State University
LNE92-032B	A Living Laboratory/Classroom for the Integration of Research and Education Efforts on Alternative Vegetable Production Systems	\$171,879.00	Michael Dann	Penn State University
ANE92-011	Alternative Rotation System for Vegetable Production and Soil Conservation	\$74,131.00	Allen G. Matthews	Farmer's Alternative Resource and Market Cooperative (FARM Coop)
LNE90-021	Honeybee Breeding for Tracheal Mite Resistance in the Northeastern United States	\$40,000.00	Bruce A. McPheron	Penn State University
LNE90-022	Novel Rotation Crops as Alternatives to Fumigant Nematicide Treatment in Deciduous Tree Fruit Production	\$58,745.00	John Halbrendt	Penn State University, Fruit Research Laboratory
LNE89-016	Evaluation of Alternative Strategies for Small Fruit Production	\$521,768.00	Barbara L. Goulart	Pennsylvania State University
LNE88-001	Development of a Sustainable Apple Production System for the Northeast (ANE92-16)	\$795,700.00	Terry Schettini	Rodale Institute

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LNE88-011	Taking Charge: Strategies for Sustainable Agriculture in the Northeast (Video Presentations)	\$70,000.00	James O. Morgan	Rodale
LNE88-008	Implementation of Electronic Decision Support Technology for Apple Production	\$110,000.00	Edwin Rajotte	Penn State
LNE88-001B	Northeast Region Sustainable Apple Project	\$220,764.00	Terry Schettini	Rodale Institute
LNE88-007	Weed Control in Reduced Tillage Cropping Systems: Use of Overseeded Cover Crops	\$127,000.00	Rhonda R. Janke	Rodale Research Center

### **PROFESSIONAL DEVELOPMENT PROJECTS**

ENE10-114	Reading the Farm: Discovering whole-farm interactions	\$32,734.00	Mary Barbercheck	The Pennsylvania State University
ENE09-113	Preparing small and mid-size growers of fruits and vegetables for on farm food safety certification	\$162,119.00	Joan Thomson	The Pennsylvania State University
ENE07-104	Whole farm nutrient planning for organic farms	\$96,756.00	Elsa Sanchez	Penn State University
ENE06-100	Developing Labor Management Expertise Among Agricultural Advisors	\$117,070.00	Richard E. Stup	Penn State Univ.
ENE05-089	Soil Quality Workshop: Concepts and Practices	\$43,695.00	Mary Barbercheck	Penn State University
ENE03-076	An Educational Program for Training Extension Professionals and Vocational Ag. Teachers on High Tunnel Technology	\$79,154.00	William J. Lamont Jr.	Pennsylvania State University, Dept. of Horticulture
ENE02-072	Strengthening Communities' Engagement in Sustainable Local Food Systems	\$99,483.00	Joan Thomson	Pennsylvania State University
ENE02-066	Teaching the Entrepreneurial Process	\$28,704.00	John Berry	Pennsylvania State University
ENE02-073	Direct Marketing for Increasing Farm Profitability: Training for Trainers Project	\$53,815.00	Maria van Hekken	The Food Trust
ENE00-055	Establishing a Demonstration and Electronic Media Training Center for Farmer-Educators in Pasture-Based Livestock Production	\$77,579.00	John Comerford	Pennsylvania State University

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ENE00-058	Organic Grains Cropping Systems and Marketing: Inservice Education for the Mid-Atlantic Region	\$95,005.00	Leon Weber	The Rodale Institute
ENE98-040	Diagnostic Team Approach to Enhancing Dairy Farm Sustainability, Phase II	\$50,000.00	William Heald	Penn State University, Dept of Dairy & Animal Science
ENE96-025	Cooperating for Sustainability and Adding Value: A Training Program on Cooperatives and Value Added Marketing for USDA Staff in the Northeast	\$100,000.00	Tim Bowser	Pennsylvania Association for Sustainable Agriculture
ENE96-021	Regionally Based Professional Development Program for Grazing Systems Management	\$92,149.00	Lawrence Muller	Dept. of Dairy & Animal Science, Pennsylvania State University
ENE96-026	Management and Evaluation of Soil Health: Inservice Education for the Mid-Atlantic Region	\$60,000.00	Laurie Drinkwater	Rodale Institute
ENE96-016	A Diagnostic Team Approach to Enhancing Dairy Farm Sustainability	\$34,650.00	Lisa Holden	Pennsylvania State University
ENE95-011	On-farm Research & Extension Education Program	\$90,373.00	Phil Rzewnicki	Pennsylvania State University Cooperative Extension
ENE95-010	Education of Extension Workers in Sustainable Agriculture Practices Utilizing the PASA Conference and Farm Visits	\$35,000.00	James W. Travis	Pennsylvania State University
ENE94-004	Education of Pennsylvania Extension Workers in Sustainable Agriculture Practices	\$21,902.00	James W. Travis	Pennsylvania State University
<b>GRANTS TO FARMERS</b>				
FNE11-730	Evaluation of 12 Yellow Flesh Peach Cultivars for Organic Production in the Northeast	\$14,536.00	James Travis	Apple Tree Vineyard & Farm, LLC
FNE11-732	Dynamic Attachment Frame System	\$14,900.00	Eric Vander Hyde	Barefoot Gardens
FNE11-734	The Use of Plumbagin as an Organic Anthelmintic Against H.contortus in Sheep	\$14,916.00	Samuel Yoder	Green Alchemy

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FNE11-707	Using new frames and foundation as a way to control disease in Honeybee Hives	\$15,000.00	Craig Cella	High Valley Farms
FNE11-706	Feasibility of Shift Trellis Use for Northeastern Blackberry Production	\$3,318.00	Roy Brubaker	Village Acres
FNE11-719	Establishment of Miscanthus (Miscanthus x giganteus) as an Alternate Bedding Supply	\$7,350.00	Steven Harnish	Central Manor Dairy
FNE11-705	Queen Bee Improvement Program-Building on the Foundation of Pennsylvania Survivor Stock	\$14,984.00	Jeffrey Berta	Always Summer Herbs
FNE11-731	Farmer Built Spelt Dehuller	\$7,369.00	Nigel Tudor	Weatherbury Farm
FNE10-681	Honey Bee Hive Equipment Sterilization	\$15,000.00	Craig Cella	
FNE10-702	Comparison of Incorporated and Non-Incorporated Cover Cropping with an Organic Sunflower Fuel Project	\$11,694.00	Samuel Yoder	Yoder's Silver Maple Limousin Beef Farm
FNE10-689	Development of a Low Cost Vertical Patternator	\$5,818.00	Martin Keen	Landey Vineyards
FNE09-658	An Economic Comparison of Grafted Tomato Transplant Production and Utilization in Multi-bay High Tunnels	\$9,976.00	Steve Groff	
FNE09-667	Planting Small Seeded Vegetable Crops into a High Residue, Reduced Tillage Environment	\$6,491.00	Neil Myerov	
FNE08-626	Honeybees: To overwinter or not	\$7,500.00	Craig Cella	
FNE08-634	Rotational Grazing as a Tool for Christmas Tree Producers	\$3,966.00	Jeremy Freymoyer	Natural Resource Advisors - Freymoyer Farm
FNE08-640	Tobacco Treatment for Varroa Mites on Honeybees	\$7,757.00	Robin Kugler	
FNE08-636	Grafting Tomatoes in Multi-Bay high Tunnels as a Way to Ovecome Soilborne Diseases	\$5,992.00	Steve Groff	Cedar Meawdow Farm, LLC
FNE08-639	Control of Grape Root Borer	\$3,182.00	R. Martin Keen	Landey Vineyards

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FNE08-625	Evaluation of Southern Peas as Cash Cover Crop in Pennsylvania	\$5,399.00	Michael Byers	Shelter from the Storm, Inc/dba Demeter's Garden
FNE08-650	Farmer-Built Compost Turner with Hydraulic Drive	\$9,472.00	Nigel Tudor	Weatherbury Farm
FNE08-652	The Viability of Growing and Grazing "High Sugar" Ryegrass in Southwest PA	\$5,215.00	George Wherry	
FNE07-601	Selecting better honeybees for the Northeast	\$7,965.00	Craig Cella	
FNE07-607	Freymoyer Farm - rotational grazing as a management tool for Christmas tree producers	\$4,663.00	Jeremy Freymoyer	
FNE07-610	Control of grape root borer	\$2,719.00	R. Martin Keen	Landey Vineyards
FNE07-611	No-till seeding of cover crops into standing soybeans	\$558.00	Edward Kuckuck	
FNE06-576	Control of Grape Root Borer	\$2,589.00	R. Martin Keen	Landey Vinyards
FNE06-581	Composting bedded pack barn	\$9,975.00	Cory Miles	Helluvahill Farm
FNE06-567	How to make beekeeping more sustainable	\$6,369.00	Craig Cella	
FNE06-575	Field trials to evaluate the benefits of biofumigation as part of a potato cropping system in the Northeast	\$8,079.00	Glenn Hetherington	
FNE06-583	Energy efficient, short-term cold storage for vegetables and herbs	\$7,276.00	Linda Moist	Clan Stewart Farm
FNE05-550	Control of Grape Root Borer	\$2,892.00	R. Martin Keen	Landey Vinyards
FNE04-520	Control of Grape Root Borer	\$2,227.00	R. Martin Keen	Landey Vineyards
FNE04-504	Beekeeping: More Honey with Less Chemicals	\$10,000.00	Craig Cella	
FNE03-471	Control of Grape Root Borer	\$3,031.00	R. Martin Keen	Landey Vineyards

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FNE03-498	Growing Native Ginseng for Conservation and Profit	\$6,786.00	David Thompson	Penn State School of Forestry
FNE03-458	Using Sorghum Sudan Grass and Mega Millet for Summer Grazing Sheep	\$2,110.00	Roger Coulter	Willowmoor Farm
FNE03-496	Comparison of Trellis-Grown Cucumbers and Tomatoes Versus Free-Standing Plants on Three Types of Mulch, With and Without Intercropping for Disease Severity and Yield	\$4,970.00	Kristie Surmick	
FNE03-500	Continuation of an On-Farm Comparison of Fertility Treatments on One Sweet Corn Variety Planted and Harvested at Two Different Times During the Season	\$1,960.00	Brooks Way	Way Fruit Farm
FNE03-450	Think Globally, Eat Locally	\$3,273.00	Kathryn Andersen	Charlestown Cooperative Farm
FNE03-481	Food for Thought	\$3,375.00	Brian Moyer	Green Haven Farm
FNE03-486	Effects of Vermicompost Applied in a High Tunnel	\$3,912.00	Claire Orner	Quiet Creek Herb Farm
FNE03-488	Study of More Cost Effective Ways of Crop Production	\$3,595.00	Jason Pontius	KJ Farm
FNE02-446	An on-farm comparison of fertility treatments on one sweet corn variety planted & harvested at two different times during the season	\$3,813.00	Brooks Way	Way Fruit Farm
FNE02-407	Use of Parasitic Wasp ( <i>Trichogramma ostrinae</i> ) for Bio-Control of European Corn Borer ( <i>Ostrinia nubilalis</i> ) in Sweet Corn	\$2,705.00	James Crawford	New Morning Farm
FNE02-442	Using a Winter Cover Crop of Rye and Hairy Vetch for Soil Conservation and Weed Control in a Mixed Vegetable System	\$2,096.00	Matt Steiman	Fulton Farm/Wilson College
FNE02-404	Construction and Use of Cover Crop Roller for Organic No-Till	\$6,275.00	John Brubaker	
FNE02-411	Developing Sustainable Management Systems for Native Pollinators	\$3,343.00	Maryann Frazier	Singing Creek Farm
FNE01-378	8th Annual Groff Farm Field Day	\$7,340.00	Steve Groff	Cedar Meadow Farm

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FNE01-359	Design and Preparation of Raised Beds for Year-Round Vegetable Production in Urban Agriculture	\$4,214.00	Mat Brener	Greensgrow Farm
FNE01-394	Use of Corn Gluten Meal for Weed Control in Vineyard	\$792.00	Dominic Strohlein	Big Creek Vineyard, Ltd
FNE00-312	Establishing Alfalfa in Existing Pastures	\$1,320.00	Jeff Mamett	
FNE00-307	Hardy Kiwi Pollination and Production	\$7,060.00	David J. Jackson	Kiwi Korner
FNE00-306	Establishment of Cover Crops in Corn and Soybeans	\$461.00	J. Robert Huntsberger	
FNE00-352	Research, Development, and Marketing of Value Added Pork Products	\$9,246.58	Barbara Wiand	
FNE00-301	The Control of Pest Pressure on Cabbages Using Predator Habitats	\$7,948.00	David Fogerty-Harnish	Scarecrow Hill Community Farm
FNE00-320	Slow Release Natural/Organic Fertilizers in Nursery Crop Production	\$618.89	Richard Tregidgo	North Slope Farm
FNE00-338	Farming for the Future Field Day	\$3,900.00	Steve Groff	
FNE00-310	Pasture Aeration	\$600.00	Larry Lemon	
FNE00-318	Pasture Illumination	\$780.00	Richard Stahl	
FW99-079	Rehabilitation of Degraded Savannah Land	\$3,500.00	Kesewaol Bishop	
FNE99-238	Spring Hydroseeding of Switchgrass on Winter Wheat	\$1,830.00	Franklin Chow	
FNE99-233	Evaluation of Forage Soybeans	\$745.00	Tim Brown	
FNE99-259	Mobile Shade Rack	\$1,226.00	Kirk Kreger	
FNE99-275	Promoting Summer Lettuce/Mesclun Growth and Preventing Deer Damage with Shadecloth	\$511.00	Judy Smeltzer	
FNE99-281	Slow Release Natural/Organic Fertilizers in Nursery Crop Production	\$1,590.00	Richard Tregidgo	

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FNE99-273	Improving Soil Micronutrients	\$2,028.00	Bob Russo	
FNE99-248	Pastured Poultry Products	\$3,660.00	Barb Gorski	
FNE99-250	Economic and Environmental Impact of No-Till Processing Tomatoes vs. Conventional Processing Tomatoes	\$1,950.00	Steve Groff	
FNE98-193	Farmers Marketing Strategy for Westmoreland City	\$6,300.00	Paul Sarver	
FNE98-221	Effect of Compost Teas in Controlling Late Blight Damage to Tomatoes in Pennsylvania	\$500.00	Donald Kretschmann	
FNE98-206	Low-input Sustainable Dairy Farming Through Draft Horse Power	\$1,825.00	Dennis Trainor	
FNE97-170	Comparison of Weed control and Soil Erosion Control in 15" row Corn vs 30" row Corn	\$1,495.00	Steve Groff	
FNE96-128	Economic Comparison & Weed Control Observation of 15" Row Corn vs. 30" Row Corn	\$1,040.00	Steve Groff	
FNE96-146	Alternative Rotation System for Vegetables	\$2,960.00	Allen Matthews	
FNE96-120	Minimizing Equipment Costs on a Grazing Farm	\$2,683.00	Marion Bowlan	
FNE95-113	Quick Protein	\$2,610.35	Jim Weaver	
FNE94-075	The Evaluation and Demonstration of the Ability of Garden-Mate(tm) to Afford Adequate Herbicidal Activity in Sweet Corn at Reduced Rates of Atrazine and Metolochlor	\$781.71	Harry K. Zimmerman	Cinnamon Hill Farm
FNE94-057	Evaluation of Water Retaining Soil Amendment, Cropping Systems and an Alternative Labor Source for Vegetable Production	\$5,087.00	Mike Kotz	
FNE94-076	Early Winter Strawberry Production	\$1,943.12	Harry K. Zimmerman	Cinnamon Hill Farm
FNE93-027	A Wetland Demonstration Project for Water Quality Improvement, Wildlife Habitat Creation, and Farmer Education	\$5,000.00	Derek & B.C. Dickson	

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FNE93-015	Evaluation of a Biocontrol Method for Farm Fly Management	\$2,155.00	Diane Mathews-Gehringer	4 Springs Farm
FNE93-036	Reactions of Peracetic Acid to Botrytis cinerea	\$1,830.00	James Perkins	7 Springs Farm
FNE93-033	Evaluation of Integrated and Biological Pest & Disease Controls in Orchards	\$1,839.00	Dwight Mickey	
FNE93-025	Fiber-producing goats as an alternative to chemical weed and brush control in pasture reclamation and management	\$5,000.00	Ellen Reker	
FNE93-016	Stewardship Forestry on the Farm	\$3,890.00	George W. Freeman	

### **Community Innovation**

CNE10-076	PA Food for Profit On-Line Project	\$14,278.00	Winifred McGee	The Pennsylvania State university Cooperative Extension, Southeast Region
CNE10-075	Lehigh Valley Composting Initiative	\$13,584.00	William McFadden	Lehigh County Conservation District
CNE09-063	Mid-Atlantic Small Black Farmers Food Distribution Project	\$21,395.00	Gladys McMichael	Help Ourselves Project, Inc.
CNE09-060	A Mobile Farmers Market for Senior and WIC Farmers Market Nutrition Program Beneficiaries	\$19,498.00	Schirlyn Kamara	Threshold Foundation, Inc.
CNE08-043	Addressing Seasonality Barriers in Farm to College Initiatives with Winter Storage Vegetables	\$9,701.00	Emily Gunther	White Dog Community Enterprises
CNE07-022	Promoting Pennsylvania cheese at farmers' markets	\$9,212.00	Patrick Gorman	The Food Trust
CNE07-033	Regional food infrastructure network	\$25,000.00	David Eson	PASA
CNE07-036	PA Keystone Kitchens Incubator Project	\$19,783.00	Winifred McGee	Pennsylvania State University Office Sponsored Programs

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<b>Graduate Student Grants</b>				
GNE11-028	Bumble bee nest density in diversified farms to ensure pollination services	\$14,968.00	Chanpreet Sidhu	Penn State
GNE11-014	Striving for sustainable pest management in no-till, field-crop systems: Understanding the role of insecticidal seed treatments	\$14,494.00	Maggie Douglas	Pennsylvania State University
GNE11-017	Cover crop cocktails: Harnessing diversity to enhance nitrogen retention in agroecosystems	\$14,998.00	Denise Finney	Penn State University
GNE10-006	Exploiting plant genotypic diversity for sustainable insect pest management	\$13,179.00	Ian Grettenberger	Pennsylvania State University
GNE10-002	Evaluating Normande, U.S. purebreds, and Normande crossbreds on production, reproductive performance, survivability, and partitioning of energy during periods of high and low pasture availability.	\$13,955.00	Dustin Brown	Penn State University
GNE10-009	Self-regulating weed control through the enhancement of beneficial ground dwelling invertebrates	\$15,000.00	Jeffrey Law	Pennsylvania State University
<b>On-Farm Grants</b>				
ONE11-136	A Novel, Laborsaving Trellising System for Grape Tomatoes	\$14,980.00	Steve Bogash	Penn State University (PSU) Cooperative Extension
ONE11-150	Native Bee Habitat Rehabilitation; Encouraging greater adoption of sustainable pollination practices – part III	\$14,934.00	Alex Surcica	Penn State University (PSU) Cooperative Extension
ONE10-129	Native Bee Habitat Rehabilitation; Encouraging Greater Adoption of Sustainable Pollination Practices- Part II	\$14,254.00	Alexandru Surcică	The Pennsylvania State University - Cooperative Extension, Southeast Region
ONE10-128	Assessing Bee Pollination Requirements in Pumpkin	\$14,405.00	Alexandru Surcică	The Pennsylvania State University - Cooperative Extension, Southeast Region

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ONE10-130	Maximizing natural enemy-provided control in no-till, field crop systems	\$10,008.00	John Tooker	The Pennsylvania State University and Penn State Cooperative Extension
ONE09-093	Advanced Trellis Methods and Mechanical Harvesting for Grape Tomatoes	\$9,815.00	Steve Bogash	The Pennsylvania State University, Cooperative Extension Franklin County
ONE09-094	Improving Native Bee Pollination Part 2: Alternative Nest Boxes Building on the Lessons from the Field in 2008	\$9,203.00	Steve Bogash	The Pennsylvania State University, Cooperative Extension Franklin County
ONE09-100	Developing an on-farm method to estimate DM loss in corn silage silos	\$9,572.00	Kenneth E. Griswold	Penn State Cooperative Extension
ONE09-107	Native Bee habitat Rehabilitation; Encouraging greater adoption of sustainable pollination practices	\$9,894.00	Alexadra Surcica	The Pennsylvania State University, Cooperative Extension Franklin County
ONE09-097	Rolled Down Cover Crop Mulch for Pumpkin and Soybean Production	\$6,857.00	Tianna Dupont	Pennsylvania State University
ONE08-083	Use of alternative row covers and pollinators to manage insect pests and improve cucurbit production and profitability	\$9,764.00	Michele Gauger	Pennsylvania Association for Sustainable Agri.
ONE08-079	Improving pollination through bumblebee habitation; Evaluation of nest box types in bumblebee colonization	\$9,833.00	Steve Bogash	Penn State Cooperative Extension, Franklin County
ONE07-077	Promoting sustainable crop pollination by wild bees through farmer outreach and education	\$9,330.00	Neal Williams	Bryn Mawr College
ONE07-068	Enterprise Benchmarks for direct-to-consumer farm marketers	\$9,101.00	John Berry	Penn State Cooperative Extension

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leader</b>	<b>Organization</b>
ONE07-076	Tower hive configuration for the maximization of honey yields and increased efficacy of easy drone brood removal	\$9,458.00	Dennis vanEngelsdorp	Pennsylvania State University Office of Sponsored Programs
ONE07-075	Improving air quality & dairy profitability through reduced protein feeding	\$9,997.00	Eugene Schurman	Pennsylvania State University Office of Sponsored Programs
ONE05-042	Assessment of Regional Organic Alternative Dairy Management Practices (AROADMaP)	\$9,225.00	Hubert Karreman	Penn Dutch Cow Care
ONE05-034	Evaluating Two Colony Hives for Increased Productivity and Varroa Mite Control	\$9,744.00	Maryann Frazier	Penn State University
ONE05-035	Increased Use of Cover Crops in Field and Vegetable Crop Rotations Through Farmer Directed On-Farm Research and Outreach Opportunities	\$9,859.00	Michele Gauger	PASA
ONE04-019	Pastured Pork Marketing -- Cultivating a Meat CSA for Wil-Den Family Farms	\$10,000.00	David Eson	PASA
ONE04-029	Enhancing Dairy Profitability and Reducing Potential Water Pollution Through Lower Dairy Ration Phosphorus Levels	\$9,633.00	Eugene Schurman	Penn State Coop Ext.
ONE04-022	Potato Leafhopper Resistant Alfalfa: The Potential for Improving Organic and Traditional Farming Systems	\$10,000.00	Marvin Hall	Penn State Univ. Coop Ext.
ONE04-024	Selling Grass-Fed Beef to College Market	\$6,909.00	Heather House	PASA
ONE03-010	Sustainable Agriculture and Forestry Demonstration Project	\$10,000.00	Kimberlee Moninger	Sustaining Greene County
ONE03-006	Reducing Herbicide Usage, Minimizing Grazing Downtime and Improving Pasture Productivity With Banded Application of Herbicide During Pasture Renovation	\$9,980.00	Ronald J. Hoover	Pennsylvania State University Cooperative Extension
ONE03-008	Developing a Model for Evaluating Marketing Expense for Value Added Products That Can be Used to More Intelligently Price Core Products	\$9,105.00	Drew Keegan	Center City Proprietors Foundation
ONE03-003	Development of Attract and Kill Technology against the Oriental Fruit Moth in Pennsylvania Apple Orchards	\$9,375.00	Dr. Maya Evenden	West Chester University

## **Total funding from USDA SARE program to Pennsylvania = \$9,509,456**

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For further information on projects, contact Helen Husher, Northeast Region SARE Communications Specialist, 802-656-0554, [helen.husher@uvm.edu](mailto:helen.husher@uvm.edu), or Dena Leibman, SARE National Communications Specialist, [communications@sare.org](mailto: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.