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

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Summary: New Jersey has received \$2,628,991 to support 67 projects, including but not limited to, 19 research and/or education projects, 14 extension projects and 21 producer-led projects. New Jersey also has received additional SARE support through multi-state projects.

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State sustainable agriculture extension coordinator(s): Jack Rabin, Rutgers Cooperative Extension

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leader</b>	<b>Organization</b>
LNE08-273	Spatially Based Whole-Farm Integrated Crop Management (ICM) Systems for Northeast Highbush Blueberry Production	\$180,000.00	Cesar Rodriguez-Saona	Rutgers University
LNE07-253	Mating disruption for the management of oriental beetle in ornamental nurseries: a research and extension effort	\$106,876.00	Valerie Fournier	Rutgers Univ./Cook College Dept. of Entomology
LNE07-265	An integrated approach to developing nutrient management schemes for container-grown nursery crops	\$106,562.00	Gladis Zinati	Rutgers University
LNE00-132	Alternative Bed Renovation System for Cranberry Production	\$157,506.00	Nicholi Vorsa	Marucci Center, Rutgers, the State University of New Jersey
LNE99-128	The Green House Project: Sustainable Agriculture in Urban Areas	\$122,315.00	Michael Hamm	Rutgers University
LNE99-129	Utilization of Community Leaves for Improving Orchard Soil Quality	\$95,535.00	Robert D. Belding	Rutgers Coop Ext
LNE97-095	Flowering Plants to Enhance Biological Control in Landscapes	\$80,344.00	Paula M. Shrewsbury	Rutgers University
LNE97-085	Integration of Behavioral, Biological, and Reduced-Risk Chemical Approaches into a Sustainable Insect Management Program for Cranberries	\$133,179.00	Sridhar Polavarapu	Dept. of Entomology, Rutgers University
LNE97-093	Sustainable Phosphorous Fertilizer Recommendations for Corn Production in the Northeast USA	\$92,780.00	Joseph Heckman	Rutgers University, Dept of Plant Science

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LNE96-073	At-Harvest Stalk Nitrate Testing for Sweet Corn	\$4,710.00	Joseph Heckman	Rutgers University, Dept of Plant Science
ANE96-030	Working Toward Implementation of a Disease Forecasting System for Fresh Market Tomatoes in Northern New Jersey	\$54,210.00	Winfred Cowgill	Rutgers Cooperative Extension of Hunterdon County
LNE96-074	Peach Orchard Ground Cover Management to Reduce Arthropod Damage	\$55,000.00	Peter Shearer	Rutgers University
LNE95-059	Implementation of a Disease Forecasting System for Tomatoes in Northern New Jersey	\$54,210.00	Winfred Cowgill	Rutgers Cooperative Extension
LNE95-057	Improving the Profitability & Adaptation of the High-Density Strawberry Production System for the Northeast	\$96,204.00	Joseph Fiola	Rutgers University, Rutgers Fruit Research and Education Center
LNE95-056	Presidedress Soil Nitrate Test for Fall Cabbage	\$45,000.00	Joseph R. Heckman	Rutgers University, Dept of Plant Science
LNE93-035	Develop Crop Rotational Budgets For Three Cropping Systems in the Northeast	\$60,846.00	Robin G. Brumfield	Ag'l Economics & Marketing, Cook College, Rutgers State U
ANE91-004	Extension of the Pre - Sidedress Soil Nitrate Test for New Jersey Field and Sweet Corn Growers	\$15,986.00	Joseph R. Heckman	Rutgers University, Dept of Plant Science
LNE89-015	Eggplant: A model system for integrating biological control of Colorado potato beetle and Verticillium wilt	\$25,000.00	James Lashomb	Rutgers
LNE89-018	Marketability of Low-input Agricultural Produce	\$20,000.00	Clare S. Liptak	Rutgers
<b>PROFESSIONAL DEVELOPMENT PROJECTS</b>				
ENE11-121	Development of Extension Programming to Support the Advancement of Agritourism in the Northeast	\$112,609.00	Brian Schilling	Rutgers, The State University of New Jersey

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ENE09-111	Organic Vegetable Production Weed Control Strategies: Integrating Precision Cultivation, Weed Biology and OMRI Herbicides	\$89,211.00	John Grande	Rutgers, The State University of New Jersey, Snyder Research & Extension Farm
ENE09-096	Appletesters.net, A grower directed research tool for growers to access apple variety characteristics in order to better make planting decisions	\$9,999.00	Win Cowgill	Rutgers New Jersey Agricultural Experiment Station
ENE06-096	Matching Small Farm Crop Sprayer Application Technology with "OMRI" and "Traditional" Agricultural Products	\$48,386.00	John Grande	Rutgers University
ENE04-088	Sustainable Pasture Management for Horses	\$79,100.00	Carey Williams	Rutgers University
ENE03-079	An Advanced School Addressing Integrated Crop Management of Highbush Blueberries	\$16,550.00	Sridhar Polavarapu	Rutgers University, PMC Blue & Cranberry Res. & Ext. Ctr.
ENE02-067	Educating Agricultural Professionals about USDA National Organic Program Requirements and Approved Materials for Certified Organic Crop Production	\$111,893.00	Emily Brown-Rosen	Organic Materials Review Institute
ENE01-064	Development of Ethnic and Specialty Vegetable Production and Marketing Resources	\$122,731.00	Richard VanVarnken	Rutgers Coop Ext - Atlantic Co.
ENE97-031	Multi-Media Aids and In-Service Training Program for Using Insecticidal Nematodes	\$59,163.00	Sridhar Polavarapu	Dept. of Entomology, Rutgers University
ENE97-035	Review and Evaluation of Educational and Reference Materials Pertaining to Nutrient Management and Soil Health for Sustainable Agriculture Production.	\$7,000.00	Michelle Infante	Rutgers Cooperative Extension
ENE96-023	Communication and Outreach for Sustainable Agriculture: A Video Training Program for Extension	\$49,998.00	Billie Jo Hance	Center for Env. Comm., Cook College, Rutgers Univ.
ENE96-017	Teaching to Achieve Sustainable Management of Phytophthora Diseases on Horticultural Crops	\$46,500.00	Jack Rabin	Rutgers Cooperative Extension
ENE95-007	Information Management Training for Integrated Crop and Pest Management	\$59,508.00	Jack Rabin	Rutgers University

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ENE95-014	Promoting Sustainable Agriculture Through a Systems Approach to Consensus Building and Public Policy Education	\$27,098.00	Edmund Tavernier	Dept of Agriculture

### **GRANTS TO FARMERS**

FNEII-708	The effect of two levels of cluster thinning on crop yield and quality for Cabernet Sauvignon and Cabernet Franc grown in the Eastern US	\$10,220.00	Lawrence Coia	Coia Vineyards
FNEII-716	Adaptation and integration of remote setting, selective breeding and triploid production technologies to revitalize oyster culture in Delaware Bay	\$15,000.00	Thomas Foca	Harbor House Seafood, LLC
FNEII-733	Improving Growing Practices for Processing Tomatoes Using Rodale Roller Crimper	\$9,290.00	Theresa Viggiano	First Field LLC
FNEII-727	Raising fig trees in high tunnels in the Northeast	\$9,799.00	Maurice Sheets	Woodland Produce
FNEII-729	Improving the Quality of Queen Honey Bees produced in the Northeast by Modifying Standard 10-Frame High Body Boxes	\$14,971.00	Karoly Toth	Toth Apiaries
FNE09-672	A Middle Entrance for Beehives II	\$3,984.00	Dave Stewart	Stewarts Apiaries
FNE08-646	A Middle Entrance for Beehives	\$4,816.00	David Stewart	
FNE04-516	Pre-sidedress Nitrate Test in Pumpkins	\$1,121.00	Erin Hitchner	Grant J. Hitchner Farm
FNE03-493	Event Marketing	\$6,693.00	Richard Sisti	
FNE03-476	Creating No-Till Cover in Newly Established Organic Blueberry Blocks	\$6,182.00	John Marchese	Emery's Berry Patch
FNE03-478	An Improved System for Moving and Storing Small Rectangular Bales	\$9,949.00	Richard McDermott	Neptune Farm Company
FNE03-501	Mobil Poultry Processing Unit	\$4,228.00	John Wunderlich	
FNE02-439	Multi-Farm Garlic Growers Project	\$2,146.00	Richard Sisti	Catalpa Ridge Farm
FNE02-425	Study of the Chilling Requirements of Four Floracane Raspberry Varieties for Greenhouse Raspberry Production	\$6,900.00	Shirley Kline	Happy Valley Berry Farm

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FNE00-321	Native Spat Collectors for Obtaining Oyster Farm Feed	\$4,885.00	James Tweed	
FNE00-298	Sorghum as a Finishing Grain for Bison	\$3,298.00	Erick Doyle	Readington River Buffalo Co
FNE00-297	Adapting Western Style of Pruning and Tying Peach Trees in NJ to Maximize Production and Tree Longevity	\$4,425.00	Eugenia DeCou	DeCou Hilltop Orchards, Inc.
FNE96-142	Comparison of Drainage Methods for Phytophthora Root Rot Control	\$3,500.00	Abbott Lee	
FNE94-062	Solar Heated Aquaculture System	\$3,313.00	Garland Michallis	
FNE93-019	Small Farm Biogas Production & Use	\$5,096.00	Ara Lynn	Liberty Farm

### **Community Innovation**

CNE06-009	Seeds to Success Youth Farmstand Project: Using social marketing to increase community presence and create a self-supporting project	\$10,000.00	Luanne Hughes	Main Street Glassboro
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### **Graduate Student Grants**

GNE11-027	Assessing Nematode Diversity in Natural and Managed Blueberry Habitats	\$14,993.00	Monique Rivera	Rutgers University
GNE10-003	Improving the Sustainability of Switchgrass Establishment Through the Development of Cultivars with Improved Germination	\$15,000.00	Laura Cortese	Rutgers

### **On-Farm Grants**

ONE11-151	Impact of Production System and Cultivar on Yields of Roselle ( <i>Hybiscus subtiflora</i> ) Leaves and Calyxes	\$14,155.00	Richard VanVranken	Rutgers Cooperative Extension - Atlantic County
ONE09-096	Appletesters.net, A grower directed research tool for growers to access apple variety characteristics in order to better make planting decisions	\$9,999.00	Winfred P. Cowgill, Jr.	Rutgers New Jersey Agricultural Experiment Station, Cooperative Extension

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ONE09-106	Hazelnuts: A New Sustainable Crop for the Northeastern United States	\$10,000.00	Thomas Molnar	Plant Biology and Pathology Department, New Jersey Agricultural Experiment Station, Rutgers University
ONE09-108	integrating Cover crops into Sustainable Highbush Blueberry Production in New Jersey	\$10,000.00	Zsofia Szendrei	Rutgers, The State
ONE08-090	Asian Pears, an Alternative Crop for Northeast Fruit Growers	\$9,997.00	Dan Ward	Rutgers- New Jersey Argicultural Experiment
ONE08-092	Low-input Management Practices for Container Ericaceous Nursery Crops	\$9,985.00	Gladis Zinati	Rutgers university
ONE07-078	Evaluating the effects of production system and cultivar on the development of silvering in bell pepper fruit	\$9,860.00	Andy Wyenandt	Rutgers University Office of Research & Sponsored Programs
ONE06-066	Evaluating the effects of variety and production system on the development of silvering in bell pepper fruit	\$9,824.00	Andy Wyenandt	Rutgers Coop Ext.
ONE06-054	Increasing the sustainability of Northeast goat farms via the establishment of value-added goat meat products in new, non-traditional markets	\$9,973.00	H. Louis Cooperhouse	Rutgers Food Innovation Ctr.
ONE05-043	Implementation of an Integrated Peach Rusty Spot Disease Management Program in Commercial Orchards	\$10,000.00	Norman Lalancette	Rutgers Ag. Res. & Ext. Ctr
ONE03-016	Ratcheting Up Commercial Organic High Bush Blueberry Production Systems	\$9,380.00	William Sciarappa	Rutgers Cooperative Extension

**Total funding from USDA SARE program to New Jersey = \$2,628,991**

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.