AGRICULTURE PROJECTS FUNDED IN NEW JERSEY

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2018

New Jersey has been awarded $3,451,386 grants to support 98 projects, including but not limited to, 20 research and/or education projects, 13 professional development projects and 29 producer-led projects. New Jersey has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinator:

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RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
LNE18-362	Goldenberries (Physalis peruviana): A New Fruit for CSA Farms and Farmers Markets	$102,122	Edward Durner Dept. of Plant Biology, Rutgers University
LNE18-364	An Area-Wide Pest Management Program to Improve Honey Bee Health in Blueberry and Cranberry Pollination Services	$199,975	Dean Polk Rutgers University
LNE18-369	Extend and Maximize Postharvest Quality of Strawberry	$41,504	Thomas Gianfagna Rutgers University
LNE08-273	Spatially Based Whole-Farm Integrated Crop Management (ICM) Systems for Northeast Highbush Blueberry Production	$180,000	Dr.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	Dr.James Lashomb Rutgers University
LNE07-265	An integrated approach to developing nutrient management schemes for container-grown nursery crops	$106,562	Dr.John Dighton Rutgers Universuty Gladis Zinati Rutgers, The State University
LNE00-132	Alternate Bed Renovation System for Cranberry Production	$157,506	Nicholi Vorsa Marucci Center for Blueberry & Cranberry Research
LNE99-129	Utilization of Community Leaves for Improving Orchard Soil Quality	$95,535	Robert Belding Rutgers Cooperative Extension, Rutgers University
LNE99-128	The Green House Project: Sustainable Agriculture in Urban Areas	$122,315	Ralph Coolman Rutgers University

LNE97-085	Integration of Behavioral, Biological, and Reduced-Risk Chemical Approaches into a Sustainable Insect Management Program for Cranberries	$133,179	Sridhar Polavarapu Dept. of Entomology, Rutgers University
LNE97-093	Sustainable Phosphorous Fertilizer Recommendations for Corn Production in the Northeast USA	$92,780	Joseph R. Heckman Rutgers University, Dept of Plant Science
LNE97-095	Flowering Plants to Enhance Biological Control in Landscapes	$80,344	Paula M. Shrewsbury Rutgers University
LNE96-073	At-Harvest Stalk Nitrate Testing for Sweet Corn	$4,710	Joseph R. Heckman Rutgers University, Dept of Plant Science
LNE96-074	Peach Orchard Ground Cover Management to Reduce Arthropod Damage	$55,000	Peter Shearer Rutgers University
LNE95-057	Improving the Profitability & Adaptation of the High-Density Strawberry Production System for the Northeast	$96,204	Joseph Fiola Rutgers University, Rutgers Fruit Research and Education Center
LNE95-059	Implementation of a Disease Forecasting System for Tomatoes in Northern New Jersey	$54,210	Winfred Cowgill Rutgers University
LNE95-056	Presidedress Soil Nitrate Test for Fall Cabbage	$45,000	Joseph R. Heckman Rutgers University, Dept of Plant Science
LNE93-035	Develop Crop Rotational Budgets For Three Cropping Systems in the Northeast	$60,846	Robin G. Brumfield Ag'l Economics & Marketing, Cook College, Rutgers State U
LNE89-015	Eggplant: A model system for integrating biological control of Colorado potato beetle and Verticillim wilt	$25,000	Dr.James Lashomb Rutgers University
LNE89-018	Marketability of Low-input Agricultural Produce	$20,000	Clair S. Liptak Rutgers

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ENE11-121	Development of Extension Programming to Support the Advancement of Agritourism in the Northeast	$112,616	Dr.Brian Schilling Rutgers University
ENE09-111	Organic vegetable production weed control strategies: Integrating precision cultivation,weed biology and OMRI herbicides	$89,211	Dr.John Grande Rutgers University
ENE06-096	Matching small-farm crop sprayer application technology with OMRI and traditional agricultural products	$48,386	Dr.John Grande Rutgers University
ENE04-088	Sustainable Pasture Management for Horses	$79,100	Dr.Carey Williams Rutgers University Department of Animal Sciences
ENE03-079	An advanced school addressing	$16,550	James Barry

	integrated crop management of highbush blueberries		Marucci Center for Blueberry and Cranberry Researc
ENE02-067	Educating Agricultural Professionals about USDA National Organic Program Requirements and Approved Materials for Certified Organic Crop Production	$111,893	Emily Brown Rosen Organic Research Associates
ENE01-064	Development of Ethnic & Specialty Vegetable Production & Marketing Resources	$122,731	Richard VanVranken Rutgers Cooperative Extension - Atlantic County
ENE97-031	Multi-Media Aids and In-Service Training Program for Using Insecticidal Nematodes	$59,163	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	Michelle Infante-Casella Rutgers New Jersey Agricultural Experiment Station Cooperative Extension
ENE96-017	Teaching to Achieve Sustainable Management of Phytophthora Diseases on Horticultural Crops	$46,500	Jack Rabin Rutgers Cooperative Extension
ENE96-023	Communication and Outreach for Sustainable Agriculture: A Video Training Program for Extension	$49,998	Billie Jo Hance Center for Env. Comm., Cook College, Rutgers Univ.
ENE95-007	Information Management Training for Integrated Crop and Pest Management	$59,508	Jack Rabin Rutgers Cooperative Extension
ENE95-014	Promoting Sustainable Agriculture Through a Systems Approach to Consensus Building and Public Policy Education	$27,098	Edmund Tavernier Dept of Agriculture

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FNE18-892	Analyzing the Profitability of Seasonal Wreath Production	$5,223	Monica Drazba Chickadee Creek Farm
FNE18-885	Comparison of Five Methods of Crop Thinning in Pinot Noir and their Effects on Fruit Composition and Wine Quality	$14,871	Michael Beneduce Beneduce Vineyards
FNE18-888	Optimization and Demonstration of Field Nursery Practices for Oyster Seed Cultivation in the Delaware Bay, NJ	$14,240	Lisa Calvo Sweet Amalia Oyster Farm
FNE16-853	Examining varieties of alternative grain crop: Malt barley and its efficacy in a double-grain cropping system in New Jersey	$14,543	Henry Muehlbauer Swampy Vale Farm
FNE15-821	Design and construction of a low-impact amphibious vehicle for efficient and sustainable oyster farming	$15,000	Gustavo and Lisa Calvo Sweet Amalia Oyster Farm
FNE15-833	A honeybee IPM program for pollinator health in blueberry production	$15,000	Dennis Wright Fruitwood Orchards Honey Dean Polk Rutgers University

FNE14-807	Evolving cage design for floating oyster farms in Barnegat Bay, NJ	$11,088	Scott Lennox Forty North Oyster Farms
FNE13-780	Methods to control bio-fouling of cultured eastern oysters, Crassostrea virginica, by the tube-building polychaete worm, Polydora cornuta	$13,415	Betsy Haskin Betsy's Cape Shore Salts
FNE12-747	Improvement and demonstration of subtidal cage culture methods to cultivate oysters in Delaware Bay, New Jersey	$14,910	Barney HOLLINGER Elder Point Oyster Company
FNE11-708	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	Dr.Lawrence Coia Coia Vineyards, LLC
FNE11-716	Adaptation and integration of remote setting, selective breeding and triploid production technologies to revitalize oyster culture in Delaware Bay	$15,000	Thomas Foca Harbor House Seafood, LLC
FNE11-727	Raising fig trees in high tunnels in the Northeast	$9,799	Maurice sheets woodland Produce
FNE11-729	Improving the Quality of Queen Honey Bees produced in the Northeast by Modifying Standard 10-Frame High Body Boxes	$14,971	Karoly Toth Toth Apiaries
FNE11-733	Improving Growing Practices for Processing Tomatoes Using Rodale Roller Crimper	$9,290	Theresa Viggiano First Field LLC
FNE09-672	A Middle Entrance for Beehives II	$3,984	Dave Stewart
FNE08-646	A middle entrance for beehives	$4,816	Dave Stewart
FNE04-516	Pre-sidedress Nitrate Test in Pumpkins	$1,121	Erin Hitchner Grant J. Hitchner Farm
FNE03-476	Creating No-Till Cover in Newly Established Organic Blueberry Blocks	$6,182	John Marchese Emery's Berry Patch
FNE03-478	An Improved System for Moving and Storing Small Rectangular Bales	$9,949	Richard McDermott Neptune Farm Company
FNE03-493	Event Marketing	$6,693	Richard Sisti
FNE03-501	Mobile Poultry Processing Unit	$4,228	John Wunderlich
FNE02-425	Study of the Chilling Requirements of Four Floracane Raspberry Varieties for	$6,900	Shirley Kline Happy Valley Berry Farm

	Greenhouse Raspberry Production		
FNE02-439	Multi-Farm Garlic Growers Project	$2,146	Richard Sisti
FNE00-298	Sorghum as a finishing grain for bison.	$3,298	Erick Doyle
FNE00-321	Native spat collectors for obtaining oyster farm seed.	$4,885	James Tweed
FNE00-297	Adapting a Western style of pruning and tying peach trees in New Jersey to maximize production and tree longevity.	$4,425	Rolf Decou
FNE96-142	Comparison of Drainage Methods for Phytophthora Root Rot Control	$3,500	Abbott Lee
FNE94-062	Solar Heated Aquaculture System	$3,313	Garland Michallis
FNE93-019	Small Farm Biogas Production & Use	$5,096	Ara Lynn Liberty Farm

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GNE18-181	Evaluating Native American Hazelnuts for Use as Cold Hardy Pollenizers in European Hazelnut Orchards	$10,048	Dr.Thomas Molnar Rutgers University Alex Mayberry
GNE17-162	Increasing horse pasture productivity by integrating warm-season grasses into cool-season rotational grazing systems	$14,997	Carey Williams Rutgers, The State University of New Jersey Jennifer Weinert Rutgers, The State University of New Jersey
GNE17-141	Breeding for thermal tolerance in farmed atlantic surfclams (Spisula solidissima)	$14,963	Dr.Daphne Munroe Haskin Shellfish Research Lab (Rutgers University) Michael Acquafredda Rutgers University - Haskin Shellfish Research Laboratory
GNE17-149	Roles of rhizobacteria from northeast natural ecosystems in improving crop productivity and stress tolerance	$14,848	Bingru Huang Rutgers University William Errickson
GNE17-158	Reclamation of nutrients and irrigation waters from livestock wastewater	$15,000	Ashaki Rouff Rutgers University Newark Alon Rabinovich Rutgers University Newark
GNE16-132	Identifying realized predation on BMSB (Halyomorpha halys, Stål) and host plant impacts	$13,639	Anne Nielsen Rutgers University John Pote Rutgers University
GNE15-112	Development of a high-resolution surveillance protocol using eDNA for	$14,999	Dr.Julie Lockwood Rutgers University

	detection of brown marmorated stink bugs		Dr.Dina Fonseca Rutgers University Rafael Valentin Rutgers, The State University of New Jersey
GNE14-084	Evaluating the biological control agent Trichoderma: Enhancement of plant growth and development through biostimulatory volatile treatment	$10,248	Dr.Joan Bennett Rutgers, The State University of New Jersey Samantha Lee Rutgers, The State University of New Jersey
GNE13-054	Halyomorpha halys in peaches: improved detection for IPM scouting	$14,850	George Hamilton Rutgers University John Cambridge Rutgers University
GNE13-064	Optimization of adventitious rooting of hazelnut stem cuttings to expedite on-farm commercialization trials	$8,376	Dr.Thomas Molnar Rutgers University Megan Muehlbauer Rutgers, The State University of New Jersey
GNE13-070	Biological Control of Blueberry Anthracnose and Cranberry Fruit Rot: Exploiting Fungal Responses to Blueberry and Cranberry Bloom in Biocontrol Treatments	$13,369	Dr.Peter Oudemans Rutgers, The State University Timothy Waller Rutgers University
GNE12-038	Landscape effects on spatial distribution and movement of brown marmorated stink bug in peach orchards	$14,179	Dr.Cesar Rodriguez-Saona Rutgers University George Hamilton Rutgers University Noel Hahn Rutgers University
GNE11-027	Assessing Nematode Diversity in Natural and Managed Blueberry Habitats	$14,993	Albrecht Koppenhöfer Rutgers University Dr.Cesar Rodriguez-Saona Rutgers University Monique Rivera Rutgers University
GNE10-003	Improving the Sustainability of Switchgrass Establishment Through the Development of Cultivars with Improved Germination	$15,000	Dr.Stacy Bonos Rutgers, The State University of New Jersey Laura Cortese Rutgers, The State University of New Jersey

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
ONE16-285c	Integrating cover crops for suppression of soil born diseases in blueberries	$10,000	Dr.Peter Oudemans Rutgers, The State University
ONE15-243	Rediscovering the Rutgers tomato	$14,900	Peter Nitzsche Rutgers Cooperative Extension of Morris County
ONE15-247	Establishment and marketing of hops production in the mid-Atlantic	$14,956	James Simon Rutgers University
ONE14-201	Minimizing risks of Vibrio bacteria in farm-raised oysters grown in intertidal	$14,899	Lisa Calvo

	environments of the Delaware Bay		Haskin Shellfish Reserach Laboratory, Rutgers University
ONE14-217	Bringing IPM and Natural Enemies Back to the Orchard Post-BMSB	$14,970	Anne Nielsen Rutgers University
ONE13-185	Pepper weevil pathways	$14,914	Joseph Ingerson-Mahar Rutgers University
ONE13-190	Mating disruption and reduced-risk methods to control peach pests and brown marmorated stink bug	$14,833	Dean Polk Rutgers University
ONE12-161	Determining pepper weevil pathways	$14,957	Joseph Ingerson-Mahar Rutgers University
ONE11-151	Impact of Production System and Cultivar on Yields of Roselle (Hybiscus sabdariffa) Leaves and Calyces	$14,155	Richard VanVranken Rutgers Cooperative Extension - Atlantic County
ONE09-106	Hazelnuts: A New Sustainable Crop for the Northeastern United States	$10,000	Dr.Thomas Molnar Rutgers University
ONE09-108	Integrating Cover crops into Sustainable Highbush Blueberry Production in New Jersey	$10,000	Dr.Zsofia Szendrei Michigan State University
ONE08-090	Asian Pears, an alternative crop for Northeast fruit growers – Developing a Plant Growth Regulator Thinning Program to Ensure Profitability	$9,997	Daniel Ward Rutgers University
ONE08-092	Low-input management practices for container Ericaceous nursery crops	$9,985	Gladis Zinati Rutgers, The State University Dr.John Dighton Rutgers Universuty
ONE07-078	Evaluating the effects of production system and cultivar on the development of silvering in bell pepper fruit	$9,860	Nancy Maxwell New Jersey Agricultural Experiment Station Andy Wyenandt New Jersey Agricultural Experiment Station Wesley Kline New Jersey Agricultural Experiment Station
ONE06-054	Increasing the sustainability of northeastern goat farms via the establishment of value-added goat meat products in new, nontraditional markets	$9,973	H. Louis Cooperhouse Rutgers, The State University of New Jersey
ONE06-066	Evaluating the effects of variety and production system on the development of silvering in bell pepper fruit	$9,824	Andy Wyenandt New Jersey Agricultural Experiment Station
ONE05-043	Implementation of an integrated peach rusty spot disease management program in commercial orchards	$10,000	Norman Lalancette Rutgers University
ONE03-016	Ratcheting up commercial organic high-bush blueberry production systems	$9,380	William Sciarappa Rutgers Cooperative Extension

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
CNE12-101	Improving the Sustainability of the Horse Industry through Equine-Related Business Planning	$14,816	Dr.Carey Williams Rutgers University Department of Animal Sciences
CNE06-009	Seeds to Success Youth Farm Stand project: Using social marketing to increase community presence and create a self-supporting project	$10,000	Luanne Hughes Rutgers Cooperative Extension

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
NENJ17-001	Using Demographic Information to Identify Specialty Crop Markets	$38,050	Michelle Infante-Casella Rutgers New Jersey Agricultural Experiment Station Cooperative Extension
NENJ14-001	On-Farm Direct Marketing SWOT Analysis Training	$123,880	Michelle Infante-Casella Rutgers New Jersey Agricultural Experiment Station Cooperative Extension

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$3,451,386

For further information on projects, contact Deb Heleba, Northeast SARE communications specialist, at 802-651-8335, ext 552 or debra.heleba@uvm.edu.

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