Since 1988, the Sustainable Agriculture Research & Education (SARE) program has been the go-to USDA grants and outreach program for farmers, ranchers, researchers and educators who want to develop innovations that improve farm profitability, protect water and land, and revitalize communities. To date, SARE has awarded over $354 million to more than 8,043 initiatives.

SARE is grassroots with far-reaching impact

Four regional councils of expert practitioners set priorities and make grants in every state and island protectorate.

SARE communicates results

SARE shares project results by requiring grantees to conduct outreach and grower engagement; and by maintaining an online library of practical publications, granteeproduced information products and other educational materials.

Project Highlight: Programming Supports Northeast Agritourism

Northeast farmers are relying increasingly on agritourism to expand farm income, create employment for family members and strengthen relationships in the local community. But agritourism also increases a farm’s liability, as farm visitors may be exposed to risks they are not familiar with. Some farmers also lack the experience to market their operation to visitors, make the transition to a retail and hospitality enterprise, and manage the associated risks and liabilities.

In response to these issues, a multistate team of Cooperative Extension faculty, led by Brian Schilling from Rutgers University, used SARE funding to develop a train-the-trainer curriculum on agritourism. Its aim was to equip farm service providers with the knowledge, skills and tools needed to help Northeast farmers minimize risk and liability associated with farm visits, mitigate financial risk, and improve marketing strategies.

The project goal was to train 60 Extension educators and other agricultural service professionals, with at least 30 going on to share information with 200 farmers. But in fact, more than 690 educators and 760 farmers came to this project’s workshops, classroom-style training, webinars and small-group farm assessments throughout New Jersey, Vermont, Delaware, and Maine, surpassing the expected level of participation several times over.

For more information on this project, see sare.org/projects, and search for project number ENE11-121.

SARE in New Jersey

northeast.sare.org/sare-in-your-state/new-jersey

$4,626,053 in total funding

119 grant projects

(since 1988)

For a complete list of grant projects state by state, go to www.sare.org/state-summaries
SARE Grants in New Jersey

Total awards: 119 grants
22 Research and Education
2 Sustainable Community Innovation
15 Professional Development Program
37 Farmer/Rancher
18 Graduate Student
21 On Farm Research/Partnership
4 Research Only

Total funding: $4,626,053
$1,875,983 Research and Education
$24,816 Sustainable Community Innovation
$1,114,179 Professional Development Program
$379,398 Farmer/Rancher
$249,506 Graduate Student
$290,896 On Farm Research/Partnership
$691,275 Research Only

Find a complete list of projects on page 3.

SARE's Impact

53 percent of producers report using a new production technique after reading a SARE publication.

79 percent of producers said they improved soil quality through their SARE project.

64 percent of producers said their SARE project helped them achieve higher sales.

Learn about local impacts at: northeast.sare.org/sare-in-your-state/new-jersey

Contact Your SARE State Coordinator

SARE sustainable ag coordinators run state-level educational programs for Extension and other ag professionals, and many help grant applicants and recipients with planning and outreach. Visit northeast.sare.org/state-pages/new-jersey to learn more.

Michelle Infante-Casella
Rutgers University of New Jersey
856.224.1036
minfante@njaes.rutgers.edu

Stephen Komar
Rutgers University of New Jersey
(973) 948-3040
komar@njaes.rutgers.edu

For detailed information on SARE projects, go to www.SARE.org

SARE is funded by the USDA’s National Institute of Food and Agriculture (NIFA).

This report includes summaries of competitive grant programs only. Some competitive grant programs that are no longer offered may be included or excluded from the totals in this report depending on the grant program and SARE region.
New Jersey has been awarded $4,626,053 grants to support 117 projects, including but not limited to, 20 research and/or education projects, 15 professional development projects and 37 producer-led projects. New Jersey has also received additional SARE support through multi-state projects.

## RESEARCH AND EDUCATION GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNE20-395</td>
<td>Empowering Northeastern Strawberry Growers With Flower Mapping</td>
<td>$137,819</td>
<td>Edward Durner Dept. of Plant Biology, Rutgers University</td>
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<tr>
<td>LNE18-362</td>
<td>Goldenberries (Physalis peruviana): A New Fruit for CSA Farms and Farmers Markets</td>
<td>$102,122</td>
<td>Edward Durner Dept. of Plant Biology, Rutgers University</td>
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<tr>
<td>LNE18-364</td>
<td>An Area-Wide Pest Management Program to Improve Honey Bee Health in Blueberry and Cranberry Pollination Services</td>
<td>$199,975</td>
<td>Dean Polk Rutgers University</td>
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<tr>
<td>LNE08-273</td>
<td>Spatially Based Whole-Farm Integrated Crop Management (ICM) Systems for Northeast Highbush Blueberry Production</td>
<td>$180,000</td>
<td>Dr. Cesar Rodriguez-Saona Rutgers University</td>
</tr>
<tr>
<td>LNE07-253</td>
<td>Mating disruption for the management of oriental beetle in ornamental nurseries: A research and extension effort</td>
<td>$106,876</td>
<td>Dr. James Lashomb Rutgers University</td>
</tr>
<tr>
<td>LNE07-265</td>
<td>An integrated approach to developing nutrient management schemes for container-grown nursery crops</td>
<td>$106,562</td>
<td>Dr. John Dighton Rutgers University, Gladis Zinati Rutgers, The State University</td>
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<tr>
<td>LNE00-132</td>
<td>Alternate Bed Renovation System for Cranberry Production</td>
<td>$157,506</td>
<td>Nicholi Vorsa Marucci Center for Blueberry &amp; Cranberry Research</td>
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<tr>
<td>LNE99-128</td>
<td>The Green House Project: Sustainable Agriculture in Urban Areas</td>
<td>$122,315</td>
<td>Ralph Coolman Rutgers University</td>
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<tr>
<td>LNE99-129</td>
<td>Utilization of Community Leaves for Improving Orchard Soil Quality</td>
<td>$95,535</td>
<td>Robert Belding Rutgers Cooperative Extension, Rutgers University</td>
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<tr>
<td>LNE97-085</td>
<td>Integration of Behavioral, Biological, and Reduced-Risk Chemical Approaches into a Sustainable Insect Management Program for Cranberries</td>
<td>$133,179</td>
<td>Sridhar Polavarapu Dept. of Entomology, Rutgers University</td>
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<tr>
<td>LNE97-093</td>
<td>Sustainable Phosphorous Fertilizer Recommendations for Corn Production in the Northeast USA</td>
<td>$92,780</td>
<td>Joseph R. Heckman Rutgers University, Dept of Plant Science</td>
</tr>
<tr>
<td>LNE97-095</td>
<td>Flowering Plants to Enhance Biological Control in Landscapes</td>
<td>$80,344</td>
<td>Paula M. Shrewsbury Rutgers University</td>
</tr>
</tbody>
</table>
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

LNE95-056  Presidedress Soil Nitrate Test for Fall Cabbage  $45,000  Joseph R. Heckman  Rutgers University, Dept of Plant Science

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

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 Verticillium wilt  $25,000  Dr. James Lashomb  Rutgers University

LNE89-018  Marketability of Low-input Agricultural Produce  $20,000  Clair S. Liptak  Rutgers

RESEARCH ONLY GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNE22-455R</td>
<td>Exploring Novel Natural Products for the Development of Push-Pull Systems to Manage Spotted-Wing Drosophila</td>
<td>$299,868</td>
<td>Dr. Cesar Rodriguez-Saona  Rutgers University</td>
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<tr>
<td>LNE22-449R</td>
<td>Foliar Nickel Fertilizer Nutrition to Enhance Cranberry Yield and Decrease Fungicide Use</td>
<td>$199,993</td>
<td>Joseph Heckman  Rutgers, The State University of New Jersey</td>
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<tr>
<td>LNE20-407R</td>
<td>Reducing Water and Fertilizer Inputs by Incorporating Native Beneficial Bacteria in Sustainable Turfgrass Sod Production</td>
<td>$149,910</td>
<td>Dr. Bingru Huang, PhD  Rutgers University  William Errickson  Rutgers University</td>
</tr>
<tr>
<td>LNE18-369R</td>
<td>Extend and Maximize Postharvest Quality of Strawberry</td>
<td>$41,504</td>
<td>Thomas Gianfagna  Rutgers University</td>
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</table>

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
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<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENE22-174</td>
<td>The Greater Newark Sustainable Farming Practices and Local Entrepreneurship Program</td>
<td>$135,459</td>
<td>Alexandra Chang  Rutgers University-Newark</td>
</tr>
<tr>
<td>ENE19-157</td>
<td>Training Agriculture Service Providers on the Nitty-Gritty Details of No-Till and Cover Crop Practices for Greater Implementation</td>
<td>$148,966</td>
<td>Bridgett Hilshey  North Jersey RC&amp;D</td>
</tr>
<tr>
<td>ENE11-121</td>
<td>Development of Extension Programming to Support the Advancement of Agritourism in the Northeast</td>
<td>$112,616</td>
<td>Dr. Brian Schilling  Rutgers University</td>
</tr>
</tbody>
</table>
### Organic vegetable production weed control strategies: Integrating precision cultivation, weed biology and OMRI herbicides

**Project #:** ENE09-111  
**Project Title:**  
**SARE Support:** $89,211  
**Project Leaders:** Dr. John Grande  
Rutgers University

### Matching small-farm crop sprayer application technology with OMRI and traditional agricultural products

**Project #:** ENE06-096  
**Project Title:**  
**SARE Support:** $48,386  
**Project Leaders:** Dr. John Grande  
Rutgers University

### Sustainable Pasture Management for Horses

**Project #:** ENE04-088  
**Project Title:**  
**SARE Support:** $79,100  
**Project Leaders:** Dr. Carey Williams  
Department of Animal Sciences

### An advanced school addressing integrated crop management of highbush blueberries

**Project #:** ENE03-079  
**Project Title:**  
**SARE Support:** $16,550  
**Project Leaders:** James Barry  
Marucci Center for Blueberry and Cranberry Research

### Educating Agricultural Professionals about USDA National Organic Program Requirements and Approved Materials for Certified Organic Crop Production

**Project #:** ENE02-067  
**Project Title:**  
**SARE Support:** $111,893  
**Project Leaders:** Emily Brown Rosen  
Organic Research Associates

### Development of Ethnic & Specialty Vegetable Production & Marketing Resources

**Project #:** ENE01-064  
**Project Title:**  
**SARE Support:** $122,731  
**Project Leaders:** Richard VanVranken  
Rutgers Cooperative Extension - Atlantic County

### Multi-Media Aids and In-Service Training Program for Using Insecticidal Nematodes

**Project #:** ENE97-031  
**Project Title:**  
**SARE Support:** $59,163  
**Project Leaders:** Sridhar Polavarapu  
Dept. of Entomology, Rutgers University

### Review and Evaluation of Educational and Reference Materials Pertaining to Nutrient Management and Soil Health for Sustainable Agriculture Production.

**Project #:** ENE97-035  
**Project Title:**  
**SARE Support:** $7,000  
**Project Leaders:** Michelle Infante-Casella  
Rutgers New Jersey Agricultural Experiment Station Cooperative Extension

### Teaching to Achieve Sustainable Management of Phytophthora Diseases on Horticultural Crops

**Project #:** ENE96-017  
**Project Title:**  
**SARE Support:** $46,500  
**Project Leaders:** Jack Rabin  
Rutgers Cooperative Extension

### Communication and Outreach for Sustainable Agriculture: A Video Training Program for Extension

**Project #:** ENE96-023  
**Project Title:**  
**SARE Support:** $49,998  
**Project Leaders:** Billie Jo Hance  
Center for Env. Comm., Cook College, Rutgers Univ.

### Information Management Training for Integrated Crop and Pest Management

**Project #:** ENE95-007  
**Project Title:**  
**SARE Support:** $59,508  
**Project Leaders:** Jack Rabin  
Rutgers Cooperative Extension

### Promoting Sustainable Agriculture Through a Systems Approach to Consensus Building and Public Policy Education

**Project #:** ENE95-014  
**Project Title:**  
**SARE Support:** $27,098  
**Project Leaders:** Edmund Tavernier  
Dept of Agriculture

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### FARMER/RANCHER GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| FNE22-003 | Techniques for Growing and Overwintering Japanese Fig Tree Espalier in the Northeast | $30,000 | Craig Boyer  
Boyer Holdings LLC |
| FNE22-011 | Grafting Heritage African Eggplants for Disease Control and Enhanced Production | $26,000 | Morris Gbolo  
World Crops Farm |
| FNE21-974 | Exotic Wild Mushroom Outdoor Cultivation | $7,590 | Sergio Campos  
Merrick Farm |
| FNE21-979 | Demonstration Pilot for Composting of Manure, Wood Chips and Leaves on a Certified-Organic Produce Farm via Aerated Static Pile Composting | $11,133 | Sherry Dudas  
Honey Brook Organic Farm |
<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Title</th>
<th>Grant Amount</th>
<th>Principal Investigator(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FNE21-983</td>
<td>Testing the Efficacy of a Hybrid Floating Bag and Bottom Planting Method to Grow Oysters</td>
<td>$11,912</td>
<td>Matthew Gregg&lt;br&gt;Forty North Oyster Farms&lt;br&gt;Amelia Stanley&lt;br&gt;Stockton University and Forty North Oyster Farms</td>
</tr>
<tr>
<td>FNE21-985</td>
<td>Mobile Oyster Aquaculture Farming Unit</td>
<td>$14,999</td>
<td>TODD KOSTKA&lt;br&gt;Brigantine Oyster Company</td>
</tr>
<tr>
<td>FNE20-952</td>
<td>Chemical-Free Vineyards</td>
<td>$14,813</td>
<td>Steve and Audrey Gambino&lt;br&gt;Villa Milagro Vineyards</td>
</tr>
<tr>
<td>FNE19-931</td>
<td>Cold Storage of Eastern Oysters, Crassostrea virginica, to Reduce Winter Mortality in an Increasingly Variable Environment</td>
<td>$14,845</td>
<td>Betsy Haskin&lt;br&gt;Betsy's Cape Shore Salts</td>
</tr>
<tr>
<td>FNE18-885</td>
<td>Comparison of Five Methods of Crop Thinning in Pinot Noir and their Effects on Fruit Composition and Wine Quality</td>
<td>$14,871</td>
<td>Michael Beneduce&lt;br&gt;Beneduce Vineyards</td>
</tr>
<tr>
<td>FNE18-888</td>
<td>Optimization and Demonstration of Field Nursery Practices for Oyster Seed Cultivation in the Delaware Bay, NJ</td>
<td>$14,240</td>
<td>Lisa Calvo&lt;br&gt;Sweet Amalia Oyster Farm</td>
</tr>
<tr>
<td>FNE18-892</td>
<td>Analyzing the Profitability of Seasonal Wreath Production</td>
<td>$5,223</td>
<td>Monica Drazba&lt;br&gt;Chickadee Creek Farm</td>
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<tr>
<td>FNE16-853</td>
<td>Examining varieties of alternative grain crop: Malt barley and its efficacy in a double-grain cropping system in New Jersey</td>
<td>$14,543</td>
<td>Henry Muehlbauer&lt;br&gt;Swampy Vale Farm</td>
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<tr>
<td>FNE15-821</td>
<td>Design and construction of a low-impact amphibious vehicle for efficient and sustainable oyster farming</td>
<td>$15,000</td>
<td>Gustavo and Lisa Calvo&lt;br&gt;Sweet Amalia Oyster Farm</td>
</tr>
<tr>
<td>FNE15-833</td>
<td>A honeybee IPM program for pollinator health in blueberry production</td>
<td>$15,000</td>
<td>Dennis Wright&lt;br&gt;Fruitwood Orchards Honey&lt;br&gt;Dean Polk&lt;br&gt;Rutgers University</td>
</tr>
<tr>
<td>FNE14-807</td>
<td>Evolving cage design for floating oyster farms in Barnegat Bay, NJ</td>
<td>$11,088</td>
<td>Matthew Gregg&lt;br&gt;Forty North Oyster Farms</td>
</tr>
<tr>
<td>FNE13-780</td>
<td>Methods to control bio-fouling of cultured eastern oysters, Crassostrea virginica, by the tube-building polychaete worm, Polydora cornuta</td>
<td>$13,415</td>
<td>Betsy Haskin&lt;br&gt;Betsy's Cape Shore Salts</td>
</tr>
<tr>
<td>FNE12-747</td>
<td>Improvement and demonstration of subtidal cage culture methods to cultivate oysters in Delaware Bay, New Jersey</td>
<td>$14,910</td>
<td>Barney HOLLINGER&lt;br&gt;Elder Point Oyster Company</td>
</tr>
<tr>
<td>FNE11-708</td>
<td>The effect of two levels of cluster thinning on crop yield and quality for Cabernet Sauvignon and Cabernet Franc grown in the Eastern US</td>
<td>$10,220</td>
<td>Dr.Lawrence Coia&lt;br&gt;Coia Vineyards, LLC</td>
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<tr>
<td>FNE11-716</td>
<td>Adaptation and integration of remote setting, selective breeding and triploid production technologies to revitalize oyster culture in Delaware Bay</td>
<td>$15,000</td>
<td>Thomas Foca&lt;br&gt;Harbor House Seafood, LLC</td>
</tr>
<tr>
<td>FNE11-727</td>
<td>Raising fig trees in high tunnels in the Northeast</td>
<td>$9,799</td>
<td>Maurice sheets&lt;br&gt;woodland Produce</td>
</tr>
</tbody>
</table>
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 bee hives $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 Greenhouse Raspberry Production $6,900 Shirley Kline Happy Valley Berry Farm

FNE02-439 Multi-Farm Garlic Growers Project $2,146 Richard Sisti

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

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

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

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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</thead>
<tbody>
<tr>
<td>FNE11-729</td>
<td>Improving the Quality of Queen Honey Bees produced in the Northeast by Modifying Standard 10-Frame High Body Boxes</td>
<td>$14,971</td>
<td>Karoly Toth Toth Apiaries</td>
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<tr>
<td>FNE11-733</td>
<td>Improving Growing Practices for Processing Tomatoes Using Rodale Roller Crimper</td>
<td>$9,290</td>
<td>Theresa Viggiano First Field LLC</td>
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<tr>
<td>FNE09-672</td>
<td>A Middle Entrance for Beehives II</td>
<td>$3,984</td>
<td>Dave Stewart</td>
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<tr>
<td>FNE08-646</td>
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<td>Dave Stewart</td>
</tr>
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<td>FNE04-516</td>
<td>Pre-sidedress Nitrate Test in Pumpkins</td>
<td>$1,121</td>
<td>Erin Hitchner Grant J. Hitchner Farm</td>
</tr>
<tr>
<td>FNE03-476</td>
<td>Creating No-Till Cover in Newly Established Organic Blueberry Blocks</td>
<td>$6,182</td>
<td>John Marchese Emery's Berry Patch</td>
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<tr>
<td>FNE03-478</td>
<td>An Improved System for Moving and Storing Small Rectangular Bales</td>
<td>$9,949</td>
<td>Richard McDermott Neptune Farm Company</td>
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<tr>
<td>FNE03-493</td>
<td>Event Marketing</td>
<td>$6,693</td>
<td>Richard Sisti</td>
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<tr>
<td>FNE03-501</td>
<td>Mobile Poultry Processing Unit</td>
<td>$4,228</td>
<td>John Wunderlich</td>
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<tr>
<td>FNE02-425</td>
<td>Study of the Chilling Requirements of Four Floracane Raspberry Varieties for Greenhouse Raspberry Production</td>
<td>$6,900</td>
<td>Shirley Kline Happy Valley Berry Farm</td>
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<tr>
<td>FNE02-439</td>
<td>Multi-Farm Garlic Growers Project</td>
<td>$2,146</td>
<td>Richard Sisti</td>
</tr>
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<td>FNE00-297</td>
<td>Adapting a Western style of pruning and tying peach trees in New Jersey to maximize production and tree longevity.</td>
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<td>Sorghum as a finishing grain for bison.</td>
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<td>Erick Doyle</td>
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<td>Native spat collectors for obtaining oyster farm seed.</td>
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<td>FNE96-142</td>
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<td>Abbott Lee</td>
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<tr>
<td>FNE94-062</td>
<td>Solar Heated Aquaculture System</td>
<td>$3,313</td>
<td>Garland Michallis</td>
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<tr>
<td>FNE93-019</td>
<td>Small Farm Biogas Production &amp; Use</td>
<td>$5,096</td>
<td>Ara Lynn Liberty Farm</td>
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</table>
GNE21-273  Development of Value-added Healthy Meal Solutions in Functional Recyclable Packaging to Rebrand and Increase Marketability of New Jersey Squashes
$14,997  Dr. Kit Yam
Rutgers University
Shuo Yuan
Rutgers University

GNE20-226  Honey Bee Responses to Blueberry Fungicides and Varroa Miticides While Used in NJ Blueberry Pollination Services
$15,000  Dean Polk
Rutgers University
Chelsea Abegg
Rutgers, The State University of New Jersey

GNE20-246  Developing a Thermal Shock Method to Control Disease and Biofouling on Oyster Farms
$15,000  Dr. David Bushek, PhD
Haskin Shellfish Research Laboratory, Rutgers University
Heidi Yeh
Rutgers, The State University of New Jersey

GNE19-212  Increasing Consumer Acceptance of Baby Leafy Greens Grown in a Controlled Environment
$15,000  Dr. Beverly Tepper
Rutgers University
Regina O'Brien
Rutgers University

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
Rutgers University

GNE17-141  Breeding for thermal tolerance in farmed atlantic surfclams (Spisula solidissima)
$14,963  Dr. Daphne Munroe
Haskin Shellfish Research Lab (Rutgers University)
Dr. Michael Acquafredda
NOAA NEFSC

GNE17-149  Roles of rhizobacteria from northeast natural ecosystems in improving crop productivity and stress tolerance
$14,848  Bingru Huang
Rutgers University
William Errickson
Rutgers University

GNE17-158  Reclamation of nutrients and irrigation waters from livestock wastewater
$15,000  Ashaki Rouff
Rutgers University Newark
Alon Rabinovich
Rutgers University Newark

GNE17-162  Increasing horse pasture productivity by integrating warm-season grasses into cool-season rotational grazing systems
$14,997  Dr. Carey Williams
Rutgers, The State University of New Jersey
Jennifer Weinert
Rutgers, The State University of New Jersey

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 detection of brown marmorated stink bugs
$14,999  Dr. Julie Lockwood
Rutgers University
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
### ON FARM RESEARCH/PARTNERSHIP GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>ONE20-371</td>
<td>Efficacy of Whole Herbs on Controlling Gastrointestinal Nematodes in an Alpaca Fiber Operation</td>
<td>$13,448</td>
<td>Dr.Erin Masur, DVM&lt;br&gt;Fork You Farms, LLC&lt;br&gt;Dr.Alexia Tsakiris&lt;br&gt;Blue Sage Veterinary Wellness Center</td>
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<tr>
<td>ONE20-373</td>
<td>Application of Shell Hash Cover as a Deterrent of Cownose Ray Predation on Hard Clam Farms</td>
<td>$29,997</td>
<td>Dr.Daphne Munroe&lt;br&gt;Haskin Shellfish Research Lab (Rutgers University)</td>
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<tr>
<td>ONE19-345</td>
<td>Alternative and Organic Management Practices to Control Oriental Beetle in Commercial Blueberries</td>
<td>$29,848</td>
<td>Dean Polk&lt;br&gt;Rutgers University</td>
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<tr>
<td>ONE16-285c</td>
<td>Integrating cover crops for suppression of soil born diseases in blueberries</td>
<td>$10,000</td>
<td>Dr.Peter Oudemans&lt;br&gt;Rutgers, The State University</td>
</tr>
<tr>
<td>ONE15-243</td>
<td>Rediscovering the Rutgers tomato</td>
<td>$14,900</td>
<td>Peter Nitzsche&lt;br&gt;Rutgers Cooperative Extension of Morris County</td>
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<tr>
<td>ONE15-247</td>
<td>Establishment and marketing of hops production in the mid-Atlantic</td>
<td>$14,956</td>
<td>James Simon&lt;br&gt;Rutgers University</td>
</tr>
<tr>
<td>ONE14-201</td>
<td>Minimizing risks of Vibrio bacteria in farm-raised oysters grown in intertidal environments of the Delaware Bay</td>
<td>$14,899</td>
<td>Lisa Calvo&lt;br&gt;Haskin Shellfish Reserach Laboratory, Rutgers University</td>
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<tr>
<td>ONE14-217</td>
<td>Bringing IPM and Natural Enemies Back to the Orchard Post-BMSB</td>
<td>$14,970</td>
<td>Anne Nielsen&lt;br&gt;Rutgers University</td>
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<tr>
<td>ONE13-185</td>
<td>Pepper weevil pathways</td>
<td>$14,914</td>
<td>Joseph Ingerson-Mahar&lt;br&gt;Rutgers University</td>
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<tr>
<td>ONE13-190</td>
<td>Mating disruption and reduced-risk methods to control peach pests and brown marmorated stink bug</td>
<td>$14,833</td>
<td>Dean Polk&lt;br&gt;Rutgers University</td>
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<tr>
<td>ONE12-161</td>
<td>Determining pepper weevil pathways</td>
<td>$14,957</td>
<td>Joseph Ingerson-Mahar&lt;br&gt;Rutgers University</td>
</tr>
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| 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 University |
| 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**

<table>
<thead>
<tr>
<th>Project #</th>
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</thead>
</table>
| 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 |

**Total funding from the USDA SARE program to New Jersey**

$4,626,053

For further information on projects, contact 802-651-8335 or nesare@uvm.edu. Sustainable Agriculture Research and Education (SARE) is funded by USDA’s National Institute of Food and Agriculture (NIFA).