What is SARE?
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 $389 million to more than 8,542 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.

SARE: Advancing the Frontier of Sustainable Agriculture in...

New Jersey

Project Highlight: Reduced-Tillage and Tarping for Small Scale Commercial Potato Growing in New York

Nook & Cranny Farm in Brooktondale, New York, participated in a research project to assess the effects of reduced tillage, tarping and mulching on potato production. To grow potatoes, most farmers depend heavily on tillage for soil preparation and weed management despite the potential negative impacts that deep tillage can have on soil health. Recently, a new method called tarping has gained a lot of attention from potato farmers due to its potential to improve soil health, reduce labor costs and increase productivity. Since tarping is a relatively new method, many farmers do not know how to successfully integrate it into their crop rotation. This inspired Dr. Tuori, the head of Nook & Cranny Farm, to conduct a series of experiments that explore the short- and long-term benefits of tarping on small-scale commercial farms.

Dr. Tuori and his team planted potatoes in a reduced-tillage strip and compared three experimental growing methods: tarping with mulching, tarping without mulching and no tarping with mulching. The researchers analyzed the effects of the different growing methods by measuring biological indicators of the soil. Ultimately, the experiments indicated that the tarping method offers a more environmentally sustainable approach to small-scale potato production than conventional tillage and hillling methods. This research shows that when done correctly, tarping is an accessible and versatile tool that small-scale farmers can use to produce a marketable potato yield while also fostering healthy soils.

For more information on this project, see sare.org/projects and search for project number FNE21-995.

SARE in New Jersey

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

$4,674,593 in total funding
127 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: 127 grants

- 22 Research and Education
- 2 Sustainable Community Innovation
- 15 Professional Development Program
- 40 Farmer/Rancher
- 23 Graduate Student
- 21 On Farm Research/Partnership
- 4 Research Only

Total funding: $4,674,593

- $1,875,983 Research and Education
- $24,816 Sustainable Community Innovation
- $1,114,179 Professional Development Program
- $453,447 Farmer/Rancher
- $324,003 Graduate Student
- $290,896 On Farm Research/Partnership
- $591,269 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
85622410361
minfante@njaes.rutgers.edu

Stephen John 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 $4,674,593 grants to support 125 projects, including but not limited to, 20 research and/or education projects, 15 professional development projects and 40 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</td>
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<tr>
<td></td>
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<td>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</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</td>
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<td>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</td>
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<td>Rutgers University</td>
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<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</td>
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<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</td>
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<td>Gladis Zinati</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</td>
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<td>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</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</td>
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<td>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</td>
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<td>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</td>
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<td>LNE97-095</td>
<td>Flowering Plants to Enhance Biological Control in Landscapes</td>
<td>$80,344</td>
<td>Paula M. Shrewsbury</td>
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<td>Rutgers University</td>
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<td>Project #</td>
<td>Project Title</td>
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<td>Project Leaders</td>
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<tr>
<td>LNE96-073</td>
<td>At-Harvest Stalk Nitrate Testing for Sweet Corn</td>
<td>$4,710</td>
<td>Joseph R. Heckman, Rutgers University, Dept of Plant Science</td>
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<td>LNE96-074</td>
<td>Peach Orchard Ground Cover Management to Reduce Arthropod Damage</td>
<td>$55,000</td>
<td>Peter Shearer, Rutgers University</td>
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<tr>
<td>LNE95-056</td>
<td>Presidedress Soil Nitrate Test for Fall Cabbage</td>
<td>$45,000</td>
<td>Joseph R. Heckman, Rutgers University, Dept of Plant Science</td>
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<td>LNE95-057</td>
<td>Improving the Profitability &amp; Adaptation of the High-Density Strawberry Production System for the Northeast</td>
<td>$96,204</td>
<td>Joseph Fiola, Rutgers University, Rutgers Fruit Research and Education Center</td>
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<tr>
<td>LNE95-059</td>
<td>Implementation of a Disease Forecasting System for Tomatoes in Northern New Jersey</td>
<td>$54,210</td>
<td>Winfred Cowgill, Rutgers University</td>
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<tr>
<td>LNE93-035</td>
<td>Develop Crop Rotational Budgets For Three Cropping Systems in the Northeast</td>
<td>$60,846</td>
<td>Robin G. Brumfield, Ag'l Economics &amp; Marketing, Cook College, Rutgers State U</td>
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<tr>
<td>LNE89-015</td>
<td>Eggplant: A model system for integrating biological control of Colorado potato beetle and Verticillium wilt</td>
<td>$25,000</td>
<td>Dr. James Lashomb, Rutgers University</td>
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<tr>
<td>LNE89-018</td>
<td>Marketability of Low-input Agricultural Produce</td>
<td>$20,000</td>
<td>Clair S. Liptak, Rutgers</td>
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</tbody>
</table>

**RESEARCH ONLY GRANTS**

**PROFESSIONAL DEVELOPMENT PROGRAM GRANTS**

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<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>
EN09-111 Organic vegetable production weed control strategies: Integrating precision cultivation, weed biology and OMRI herbicides $89,211 Dr. John Grande Rutgers University

EN06-096 Matching small-farm crop sprayer application technology with OMRI and traditional agricultural products $48,386 Dr. John Grande Rutgers University

EN04-088 Sustainable Pasture Management for Horses $79,100 Dr. Carey Williams Rutgers University Department of Animal Sciences

EN03-079 An advanced school addressing integrated crop management of highbush blueberries $16,550 James Barry Marucci Center for Blueberry and Cranberry Research


EN01-064 Development of Ethnic & Specialty Vegetable Production & Marketing Resources $122,731 Richard VanVranken Rutgers Cooperative Extension - Atlantic County

EN97-031 Multi-Media Aids and In-Service Training Program for Using Insecticidal Nematodes $59,163 Sridhar Polavarapu Dept. of Entomology, Rutgers University

EN97-035 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

EN96-017 Teaching to Achieve Sustainable Management of Phytophthora Diseases on Horticultural Crops $46,500 Jack Rabin Rutgers Cooperative Extension

EN96-023 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.

EN95-007 Information Management Training for Integrated Crop and Pest Management $59,508 Jack Rabin Rutgers Cooperative Extension

EN95-014 Promoting Sustainable Agriculture Through a Systems Approach to Consensus Building and Public Policy Education $27,098 Edmund Tavernier Dept of Agriculture

FARMER/RANCHER GRANTS

<table>
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<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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<tbody>
<tr>
<td>FNE23-038</td>
<td>Evaluation of Elevated Rack Height to Control Biofouling on an Intertidal Oyster Farm: Efficacy and Economics</td>
<td>$20,088</td>
<td>Lisa Calvo Sweet Amalia Oyster Farm</td>
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<tr>
<td>FNE23-045</td>
<td>Cost-Benefit Analysis of Using a Recirculating Fertigation System as an Alternative to Conventional Drain-to-Waste for Container Food Crop Production.</td>
<td>$29,713</td>
<td>Kate Dix Estell Farms</td>
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<tr>
<td>FNE23-056</td>
<td>Testing Practical Bird Deterrents for Floating Oyster Aquaculture</td>
<td>$29,332</td>
<td>Scott Lennox Barnegat Oyster Holdings</td>
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<tr>
<td>Project Code</td>
<td>Project Title</td>
<td>Funding Amount</td>
<td>Principal Investigator(s)</td>
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<tr>
<td>FNE23-036</td>
<td>Evaluating On Farm Leaf Composting Methods and the Impacts of Composted Leaves on Germination and Weed Suppression in Rye, Corn and Pumpkins</td>
<td>$24,916</td>
<td>Bradley Burke Longmeadow Farm</td>
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<tr>
<td>FNE22-011</td>
<td>Grafting Heritage African Eggplants for Disease Control and Enhanced Production</td>
<td>$26,000</td>
<td>Morris Gbolo World Crops Farm</td>
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<tr>
<td>FNE21-974</td>
<td>Exotic Wild Mushroom Outdoor Cultivation</td>
<td>$7,590</td>
<td>Sergio Campos Merrick Farm</td>
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<tr>
<td>FNE21-979</td>
<td>Demonstration Pilot for Composting of Manure, Wood Chips and Leaves on a Certified-Organic Produce Farm via Aerated Static Pile Composting</td>
<td>$11,133</td>
<td>Sherry Dudas Honey Brook Organic Farm</td>
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<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 Forty North Oyster Farms Amelia Stanley Stockton University and Forty North Oyster Farms</td>
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<tr>
<td>FNE21-985</td>
<td>Mobile Oyster Aquaculture Farming Unit</td>
<td>$14,999</td>
<td>TODD KOSTKA Brigantine Oyster Company</td>
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<tr>
<td>FNE20-952</td>
<td>Chemical-Free Vineyards</td>
<td>$14,813</td>
<td>Steve and Audrey Gambino Villa Milagro Vineyards</td>
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<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 Betsy's Cape Shore Salts</td>
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<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 Beneduce Vineyards</td>
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<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 Sweet Amalia Oyster Farm</td>
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<td>FNE18-892</td>
<td>Analyzing the Profitability of Seasonal Wreath Production</td>
<td>$5,223</td>
<td>Monica Drazba Chickadee Creek Farm</td>
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<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 Swampy Vale Farm</td>
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<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 Sweet Amalia Oyster Farm</td>
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<td>FNE15-833</td>
<td>A honeybee IPM program for pollinator health in blueberry production</td>
<td>$15,000</td>
<td>Dennis Wright Fruitwood Orchards Honey Dean Polk Rutgers University</td>
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<td>FNE14-807</td>
<td>Evolving cage design for floating oyster farms in Barnegat Bay, NJ</td>
<td>$11,088</td>
<td>Matthew Gregg Forty North Oyster Farms</td>
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<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 Betsy's Cape Shore Salts</td>
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<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</td>
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<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</td>
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<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</td>
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<td>FNE11-727</td>
<td>Raising fig trees in high tunnels in the Northeast</td>
<td>$9,799</td>
<td>Maurice sheets</td>
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<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</td>
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<td>FNE11-733</td>
<td>Improving Growing Practices for Processing Tomatoes Using Rodale Roller Crimper</td>
<td>$9,290</td>
<td>Theresa Viggiano</td>
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<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>
<td>A middle entrance for beehives</td>
<td>$4,816</td>
<td>Dave Stewart</td>
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<td>FNE04-516</td>
<td>Pre-sidedress Nitrate Test in Pumpkins</td>
<td>$1,121</td>
<td>Erin Hitchner</td>
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<td>FNE03-476</td>
<td>Creating No-Till Cover in Newly Established Organic Blueberry Blocks</td>
<td>$6,182</td>
<td>John Marchese</td>
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<td>FNE03-478</td>
<td>An Improved System for Moving and Storing Small Rectangular Bales</td>
<td>$9,949</td>
<td>Richard McDermott</td>
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<td>FNE03-493</td>
<td>Event Marketing</td>
<td>$6,693</td>
<td>Richard Sisti</td>
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<td>FNE03-501</td>
<td>Mobile Poultry Processing Unit</td>
<td>$4,228</td>
<td>John Wunderlich</td>
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<td>FNE02-425</td>
<td>Study of the Chilling Requirements of Four Floracane Raspberry Varieties for Greenhouse Raspberry Production</td>
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<td>FNE02-439</td>
<td>Multi-Farm Garlic Growers Project</td>
<td>$2,146</td>
<td>Richard Sisti</td>
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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>
<td>$4,255</td>
<td>Rolf Decou</td>
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<tr>
<td>FNE00-298</td>
<td>Sorghum as a finishing grain for bison.</td>
<td>$3,298</td>
<td>Erick Doyle</td>
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</table>
### Native spat collectors for obtaining oyster farm seed.
**Project #:** FNE00-321  
**SARE Support:** $4,885  
**Project Leaders:** James Tweed

### Comparison of Drainage Methods for Phytophthora Root Rot Control
**Project #:** FNE96-142  
**SARE Support:** $3,500  
**Project Leaders:** Abbott Lee

### Solar Heated Aquaculture System
**Project #:** FNE94-062  
**SARE Support:** $3,313  
**Project Leaders:** Garland Michallis

### Small Farm Biogas Production & Use
**Project #:** FNE93-019  
**SARE Support:** $5,096  
**Project Leaders:** 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>
</table>
| GNE22-288  | Insecticide Efficacy Trial in Vineyards Against Spotted Lanternfly Adults.                         | $14,969      | Anne Nielsen  
Rutgers University  
Katarzyna Madalinska  
Rutgers University |
| GNE22-299  | Standardizing Farming Practices of Leafy Green Amaranth in the Northeast to Ensure Cultural Availability and Nutrient Density. | $14,685      | Dr. James Simon  
Rutgers University  
Tori Rosen  
Rutgers University |
| GNE22-305  | Monitoring beneficial insects with plant volatiles: a landscape approach                           | $14,984      | Dr. Cesar Rodriguez-Saona  
Yahel Ben-Zvi  
Rutgers University |
| GNE22-292  | Surveying an insect collection from a 17th-century Northeastern agrarian settlement to determine changes in beneficial insects, pests, and climate | $14,859      | George Hamilton  
Rutgers University  
Michael Monzon  
Rutgers University, New Jersey Agricultural Experiment Station |
| GNE22-306  | Influences of habitat-level crop diversity on community dynamics of pentatomids and their parasitoids in New Jersey | $15,000      | Anne Nielsen  
Rutgers University  
Emma Waltman  
Rutgers University |
| 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 |
<table>
<thead>
<tr>
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</thead>
</table>
| 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 |
| 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  
Dr. 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 |
Efficacy of Whole Herbs on Controlling Gastrointestinal Nematodes in an Alpaca Fiber Operation  
Dr. Erin Masur, DVM  
Fork You Farms, LLC  
Dr. Alexia Tsakiris  
Blue Sage Veterinary Wellness Center  
$13,448

Application of Shell Hash Cover as a Deterrent of Cownose Ray Predation on Hard Clam Farms  
Dr. Daphne Munroe  
Haskin Shellfish Research Lab (Rutgers University)  
$29,997

Alternative and Organic Management Practices to Control Oriental Beetle in Commercial Blueberries  
Dean Polk  
Rutgers University  
$29,848

Integrating cover crops for suppression of soil born diseases in blueberries  
Dr. Peter Oudemans  
Rutgers, The State University  
$10,000

Rediscovering the Rutgers tomato  
Peter Nitzsche  
Rutgers Cooperative Extension of Morris County  
$14,900

Establishment and marketing of hops production in the mid-Atlantic  
James Simon  
Rutgers University  
$14,956

Minimizing risks of Vibrio bacteria in farm-raised oysters grown in intertidal environments of the Delaware Bay  
Lisa Calvo  
Haskin Shellfish Reserach Laboratory, Rutgers University  
$14,899

Bringing IPM and Natural Enemies Back to the Orchard Post-BMSB  
Anne Nielsen  
Rutgers University  
$14,970

Pepper weevil pathways  
Joseph Ingerson-Mahar  
Rutgers University  
$14,914

Mating disruption and reduced-risk methods to control peach pests and brown marmorated stink bug  
Dean Polk  
Rutgers University  
$14,833

Determining pepper weevil pathways  
Joseph Ingerson-Mahar  
Rutgers University  
$14,957

Impact of Production System and Cultivar on Yields of Roselle (Hybiscus sabdariffa) Leaves and Calyces  
Richard VanVranken  
Rutgers Cooperative Extension - Atlantic County  
$14,155

Hazelnuts: A New Sustainable Crop for the Northeastern United States  
Dr. Thomas Molnar  
Rutgers University  
$10,000

Integrating Cover crops into Sustainable Highbush Blueberry Production in New Jersey  
Dr. Zsofia Szendrei  
Michigan State University  
$10,000

Asian Pears, an alternative crop for Northeast fruit growers – Developing a Plant Growth Regulator Thinning Program to Ensure Profitability  
Daniel Ward  
Rutgers University  
$9,997

Low-input management practices for container Ericaceous nursery crops  
Gladis Zinati  
Rutgers, The State University  
$9,985

Evaluating the effects of production system and cultivar on the development of silvering in bell pepper fruit  
Nancy Maxwell  
New Jersey Agricultural Experiment Station  
$9,860
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<tr>
<td>ONE06-054</td>
<td>Increasing the sustainability of northeastern goat farms via the establishment of value-added goat meat products in new, nontraditional markets</td>
<td>$9,973</td>
<td>H. Louis Cooperhouse&lt;br&gt;Rutgers, The State University of New Jersey</td>
</tr>
<tr>
<td>ONE06-066</td>
<td>Evaluating the effects of variety and production system on the development of silverying in bell pepper fruit</td>
<td>$9,824</td>
<td>Andy Wyenandt&lt;br&gt;New Jersey Agricultural Experiment Station</td>
</tr>
<tr>
<td>ONE05-043</td>
<td>Implementation of an integrated peach rusty spot disease management program in commercial orchards</td>
<td>$10,000</td>
<td>Norman Lalancette&lt;br&gt;Rutgers University</td>
</tr>
<tr>
<td>ONE03-016</td>
<td>Ratcheting up commercial organic high-bush blueberry production systems</td>
<td>$9,380</td>
<td>William Sciarappa&lt;br&gt;Rutgers Cooperative Extension</td>
</tr>
</tbody>
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**SUSTAINABLE COMMUNITY INNOVATION GRANTS**

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<tr>
<td>CNE12-101</td>
<td>Improving the Sustainability of the Horse Industry through Equine-Related Business Planning</td>
<td>$14,816</td>
<td>Dr.Carey Williams&lt;br&gt;Rutgers University Department of Animal Sciences</td>
</tr>
<tr>
<td>CNE06-009</td>
<td>Seeds to Success Youth Farm Stand project: Using social marketing to increase community presence and create a self-supporting project</td>
<td>$10,000</td>
<td>Luanne Hughes&lt;br&gt;Rutgers Cooperative Extension</td>
</tr>
</tbody>
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**Total funding from the USDA SARE program to New Jersey**

$4,674,593

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).