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 $312 million to more than 7,507 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...

Rhode Island

Project Highlight: Integrated Strategies for Managing Parasites

Gastrointestinal parasites pose one of the top challenges in raising sheep and goats. A common management strategy is to regularly treat an entire herd with dewormers, without distinguishing sick animals from healthy ones. This represents an unnecessary cost and risks the development of resistance to dewormers.

To help farmers manage parasites in a cost-effective manner that does not overuse dewormers, University of Rhode Island’s Katherine Petersson is leading widespread research and education efforts on integrated control strategies. These include techniques for managing pastures to reduce the incidence of parasites and tools for monitoring animals to identify which ones actually need treatment.

With a 2010 SARE grant, Petersson and a team of New England Extension specialists held dozens of workshops and site visits over three years. They reached hundreds of small ruminant producers and veterinarians. According to a survey of the farmers they worked with, 82 percent adopted new parasite control practices within a year. Most reported reducing their dewormer costs by at least 50 percent.

Petersson’s project, which was expanded with a 2015 SARE grant, included a research component that found vitamin E and cranberry powder can have an antiparasitic effect when added to animals’ diet.

For more information, see sare.org/projects, and do a coordinator search for “Petersson.”

SARE in Rhode Island

northeast.sare.org/sare-in-your-state/rhode-island

$1,849,999 in total funding

38 grant projects

(since 1988)

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

Total awards: **38 grants**
- 15 Farmer/Rancher
- 6 Graduate Student
- 3 On Farm Research/Partnership
- 1 Professional Development Program
- 12 Research and Education
- 1 Sustainable Community Innovation

Total funding: **$1,849,999**
- $96,974 Farmer/Rancher
- $87,268 Graduate Student
- $44,884 On Farm Research/Partnership
- $104,400 Professional Development Program
- $1,494,696 Research and Education
- $21,777 Sustainable Community Innovation

Find a complete list of projects on page 3.

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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/rhode-island](http://northeast.sare.org/sare-in-your-state/rhode-island)

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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/rhode-island](http://northeast.sare.org/state-pages/rhode-island) to learn more.

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For detailed information on SARE projects, go to [www.SARE.org](http://www.SARE.org)

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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.
Rhode Island has been awarded $1,849,999 grants to support 36 projects, including but not limited to, 10 research and/or education projects, 1 professional development project and 15 producer-led projects. Rhode Island 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>LNE19-381</td>
<td>Expanding Opportunities for Sustainable Management of Small Ruminant Gastrointestinal Parasites</td>
<td>$242,071</td>
<td>Katherine Petersson University of Rhode Island</td>
</tr>
<tr>
<td>LNE15-342</td>
<td>New approaches for improving integrated parasite control strategies in the Northeast</td>
<td>$236,815</td>
<td>Katherine Petersson University of Rhode Island</td>
</tr>
<tr>
<td>LNE11-311</td>
<td>Rhody Native: Propagation for Sustainable Landscapes</td>
<td>$122,333</td>
<td>Vanessa Venturini URI Outreach Center</td>
</tr>
<tr>
<td>LNE10-293</td>
<td>Cover cropping strategies for year-round weed control on mixed vegetable farms in southern New England</td>
<td>$117,360</td>
<td>Dr. Rebecca Brown University of Rhode Island</td>
</tr>
<tr>
<td>LNE10-300</td>
<td>Improving small ruminant parasite control in New England</td>
<td>$179,205</td>
<td>Katherine Petersson University of Rhode Island</td>
</tr>
<tr>
<td>LNE07-256</td>
<td>Improving Oyster Aquaculture in Rhode Island: Development and Testing of the &quot;Rhodoyster&quot;</td>
<td>$127,254</td>
<td>Dr. Marta Gomez-Chiarri University of Rhode Island</td>
</tr>
<tr>
<td>LNE05-225</td>
<td>Creating a technical support system for Rhode Island small-scale farms</td>
<td>$149,990</td>
<td>Ernest Morreira URI Cooperative Extension Kristen Castrataro University of Rhode Island</td>
</tr>
<tr>
<td>LNE04-208</td>
<td>Rhode Island Agricultural Tourism Project</td>
<td>$84,980</td>
<td>Stuart Nunnery RI Center for Agricultural Promotion and Education</td>
</tr>
<tr>
<td>LNE98-100</td>
<td>Producing Native &amp; Ornamental Wetland Plants in Constructed Wetlands Designed to Reduce Pollution from Agricultural Sources</td>
<td>$72,840</td>
<td>Brian Maynard University of Rhode Island</td>
</tr>
<tr>
<td>LNE90-024</td>
<td>Sustainable SOD Production for the Northeast</td>
<td>$161,848</td>
<td>Richard A. Casagrande University of Rhode Island</td>
</tr>
</tbody>
</table>

### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>ENE10-117</td>
<td>Northeast Pollinator Conservation Planning Short Course</td>
<td>$104,400</td>
<td>Eric Mader The Xerces Society</td>
</tr>
</tbody>
</table>

### FARMER/RANCHER GRANTS

<table>
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</tr>
</thead>
</table>

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### AGRICULTURE PROJECTS FUNDED IN RHODE ISLAND

by USDA's Sustainable Agriculture Research and Education (SARE) Program
Viability of Hogging Down Corn and Peas as Swine Feedstock

Evaluation of Microclover Black Beauty as a Semi-Permanent Cover Crop and Living Mulch in Organic Tomato Production

Effect of an Indigenous Soil Microbial Inoculant on Soil, Soil Microbial Community and Leaf Nutrient Density

Comparing a centrifuge to a maple syrup filter press

Hop Trellis Systems Comparison: High versus Low

Marketing Analysis of New State Shaped Maple Candies

Compost Windrow as Greenhouse Heat Source

A method for overwintering and propagating honeybees in the Northeast

Problems with sudden-rot syndrome in garlic seed in New England.

Rhode Island pastured poultry association

A feasible method for organic fertilization of greenhouse tomatoes through drip irrigation

Grow Organic Vegetables From Western Nigeria

High Density Maple Sugar Orchard and Tapping of Immature Trees

Development and Evaluation of an Alternative Ice House Refrigeration System

Flame Weed Control in Cut Flower Production

Best Management Practices for Small-scale Egg Producers

The effect of season upon the life cycle and development of Haemonchus contortus in experimentally infected lambs

Graduate Student Grants

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>GNE19-192</td>
<td>Best Management Practices for Small-scale Egg Producers</td>
<td>$14,901</td>
<td>Becky Sartini, PhD University of Rhode Island, Julie Bosland University of Rhode Island</td>
</tr>
<tr>
<td>GNE17-145</td>
<td>The effect of season upon the life cycle and development of Haemonchus contortus in experimentally infected lambs</td>
<td>$14,640</td>
<td>Katherine Peterssson University of Rhode Island, Marissa Brummett University of Rhode Island</td>
</tr>
</tbody>
</table>
GNE16-136  Developing production protocols and connecting producers to consumers of vegetable amaranth  $14,638  Dr. Rebecca Brown  University of Rhode Island  Sarah Schweig  University of Rhode Island

GNE14-071  Anthelmintic efficacy of pelleted cranberry leaf powder against experimental Haemonchus contortus infection in lambs  $14,488  Katherine Petersson  University of Rhode Island  Carly Barone  University of Rhode Island

GNE11-026  Using green seaweed (Ulva spp.) as a soil amendment: Effects on soil quality and yield of sweet corn (Zea mays L.)  $13,853  Dr. Steven Alm  University of Rhode Island  Dr. Jose Amador  University of Rhode Island  Dr. Rebecca Brown  University of Rhode Island  Angela Possinger  University of Rhode Island

GNE10-013  Inclusion of soybean meal into summer flounder (Paralichthys dentatus) feeds: An environmentally-friendly protein alternative to fish meal and a potential immunostimulant  $14,748  Dr. David Bengtson  University of Rhode Island  Dr. Marta Gomez-Chiarri  University of Rhode Island  Dr. Daniel Ward  Ward Aquafarms, LLC

ON FARM RESEARCH/PARTNERSHIP GRANTS

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>ONE17-291</td>
<td>Testing laser scarecrows for neighbor-friendly bird damage reduction in sweet corn on periurban farms</td>
<td>$14,925</td>
<td>Dr. Rebecca Brown  University of Rhode Island</td>
</tr>
<tr>
<td>ONE17-304</td>
<td>Efficacy and cost effectiveness of foliar nutrient applications to vegetable crops on a large Rhode Island farm</td>
<td>$14,963</td>
<td>Andy Radin  University of Rhode Island Cooperative Extension</td>
</tr>
<tr>
<td>ONE13-191</td>
<td>Realizing the potential of high tunnel tomato production and income in southern New England</td>
<td>$14,996</td>
<td>Andy Radin  University of Rhode Island</td>
</tr>
</tbody>
</table>

SUSTAINABLE COMMUNITY INNOVATION GRANTS

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</tr>
</thead>
<tbody>
<tr>
<td>CNE09-058</td>
<td>The Rhode Island “Market Mobile”: Easing channels for distribution for farmers and food buyers</td>
<td>$21,777</td>
<td>Sheri Griffin  Farm Fresh Rhode Island</td>
</tr>
</tbody>
</table>

Total funding from the USDA SARE program to Rhode Island $1,849,999

For further information on projects, contact Deb Heleba, Northeast SARE communications specialist, at 802-651-8335, ext 552 or debra.heleba@uvm.edu. Sustainable Agriculture Research and Education (SARE) is funded by USDA’s National Institute of Food and Agriculture (NIFA).