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 $332 million to more than 7,748 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, grantee-produced information products and other educational materials.

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

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 Grants in Rhode Island

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

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

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/rhode-island

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 to learn more.

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(401) 874-2967
hhf@uri.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.
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>LNE10-300</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>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>LNE07-256</td>
<td>Improving Oyster Aquaculture in Rhode Island: Development and Testing of the “Rhodoyster”</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>
<thead>
<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>
<thead>
<tr>
<th>Project #</th>
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</tr>
</thead>
</table>


Viability of Hogging Down Corn and Peas as Swine Feedstock

FNE19-923

Ben Coerper
Wild Harmony Farm

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

FNE19-927

John Eidson
Sodco, Inc.

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

FNE19-943

Rebecca Roberts
Endless Farm LLC

Comparing a centrifuge to a maple syrup filter press

FNE15-823

Charles Chase
Charlie’s Sugarhouse

Hop Trellis Systems Comparison: High versus Low

FNE11-726

Matt Richardson
Ocean State Hops

Marketing Analysis of New State Shaped Maple Candies

FNE10-683

Charles Chase
Charlie’s Sugarhouse

Compost Windrow as Greenhouse Heat Source

FNE09-675

Bruce Vanicek
The Rhode Island Nurseries

A method for overwintering and propagating honeybees in the Northeast

FNE07-619

Mark Robar
Trail’s End Farm

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

FNE06-586

Norman S. (Skip) Paul, Jr.
Wishing Stone Farm

Rhode Island pastured poultry association

FNE05-555

Patrick McNiff
Southside Community Land Trust

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

FNE05-556

Arthur Mello

Grow Organic Vegetables From Western Nigeria

FNE03-470

John Kamson
Koka Farms

High Density Maple Sugar Orchard and Tapping of Immature Trees

FNE99-237

Charles Chase
Charlie’s Sugarhouse

Development and Evaluation of an Alternative Ice House Refrigeration System

FNE93-006

Charles Chase
Charlie’s Sugarhouse

Flame Weed Control in Cut Flower Production

FNE93-008

Paul Pieri
Maurolou Farm

GRADUATE STUDENT GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
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<th>Project Leaders</th>
</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</td>
</tr>
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<td></td>
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<td>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 Petersson University of Rhode Island</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Marissa Brummet University of Rhode Island</td>
</tr>
<tr>
<td>Project #</td>
<td>Project Title</td>
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<td>Project Leaders</td>
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</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&lt;br&gt;University of Rhode Island Cooperative Extension</td>
</tr>
<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&lt;br&gt;University of Rhode Island</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&lt;br&gt;University of Rhode Island</td>
</tr>
</tbody>
</table>

### SUSTAINABLE COMMUNITY INNOVATION GRANTS

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>CNE09-058</td>
<td>The Rhode Island &quot;Market Mobile&quot;: Easing channels for distribution for farmers and food buyers</td>
<td>$21,777</td>
<td>Sheri Griffin&lt;br&gt;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).