

## 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 \$309 million to more than 7,408 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.



[www.sare.org](http://www.sare.org)

## 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](http://sare.org/projects), and do a coordinator search for "Petersson."

## SARE in Rhode Island

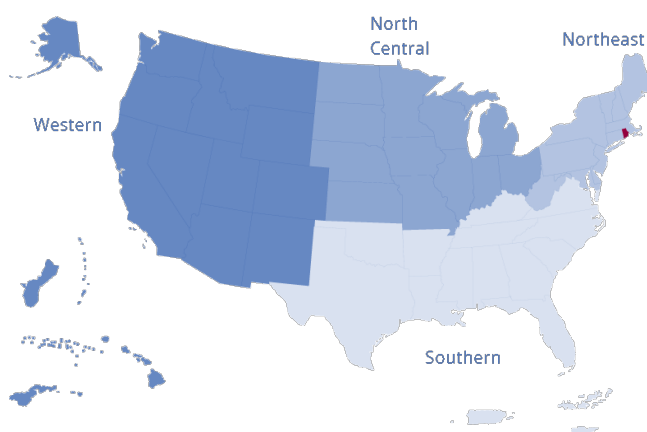
[northeast.sare.org/sare-in-your-state/rhode-island](http://northeast.sare.org/sare-in-your-state/rhode-island)

**\$1,828,222**  
**in total funding**

**37 grant projects**

(since 1988)

For a complete list of grant projects state by state, go to [www.sare.org/state-summaries](http://www.sare.org/state-summaries)



# SARE Grants in Rhode Island

Total awards: 37 grants



15 Farmer/Rancher  
6 Graduate Student  
3 On Farm  
Research/Partnership  
1 Professional Development Program  
12 Research and Education

Total funding: \$1,828,222



\$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

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](http://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](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)

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.



# AGRICULTURE PROJECTS FUNDED IN RHODE ISLAND

by USDA's  
**Sustainable Agriculture Research and Education (SARE) Program**

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

Project #	Project Title	SARE Support	Project Leaders
LNE19-381	Expanding Opportunities for Sustainable Management of Small Ruminant Gastrointestinal Parasites	\$242,071	Katherine Petersson University of Rhode Island
LNE15-342	New approaches for improving integrated parasite control strategies in the Northeast	\$236,815	Katherine Petersson University of Rhode Island
LNE11-311	Rhody Native: Propagation for Sustainable Landscapes	\$122,333	Vanessa Venturini URI Outreach Center
LNE10-300	Improving small ruminant parasite control in New England	\$179,205	Katherine Petersson University of Rhode Island
LNE10-293	Cover cropping strategies for year-round weed control on mixed vegetable farms in southern New England	\$117,360	Dr.Rebecca Brown University of Rhode Island
LNE07-256	Improving Oyster Aquaculture in Rhode Island: Development and Testing of the "Rhodoyster"	\$127,254	Dr.Marta Gomez-Chiarri University of Rhode Island
LNE05-225	Creating a technical support system for Rhode Island small-scale farms	\$149,990	Ernest Morreira URI Cooperative Extension Kristen Castrataro University of Rhode Island
LNE04-208	Rhode Island Agricultural Tourism Project	\$84,980	Stuart Nunnery RI Center for Agricultural Promotion and Education
LNE98-100	Producing Native & Ornamental Wetland Plants in Constructed Wetlands Designed to Reduce Pollution from Agricultural Sources	\$72,840	Brian Maynard University of Rhode Island
LNE90-024	Sustainable SOD Production for the Northeast	\$161,848	Richard A. Casagrande University of Rhode Island

## PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE Support	Project Leaders
ENE10-117	Northeast Pollinator Conservation Planning Short Course	\$104,400	Eric Mader The Xerces Society

## FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
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FNE19-943	Effect of an Indigenous Soil Microbial Inoculant on Soil, Soil Microbial Community and Leaf Nutrient Density	\$12,323	Rebecca Roberts Endless Farm LLC
FNE19-923	Viability of Hogging Down Corn and Peas as Swine Feedstock	\$9,673	Ben Coerper Wild Harmony Farm
FNE19-927	Evaluation of Microclover Black Beauty as a Semi-Permanent Cover Crop and Living Mulch in Organic Tomato Production	\$4,228	John Eidson Sodco, Inc.
FNE15-823	Comparing a centrifuge to a maple syrup filter press	\$2,600	Charles Chase Charlie's Sugarhouse
FNE11-726	Hop Trellis Systems Comparison: High versus Low	\$14,077	Matt Richardson Ocean State Hops
FNE10-683	Marketing Analysis of New State Shaped Maple Candies	\$7,000	Charles Chase Charlie's Sugarhouse
FNE09-675	Compost Windrow as Greenhouse Heat Source	\$9,998	Bruce Vanicek The Rhode Island Nurseries
FNE07-619	A method for overwintering and propagating honeybees in the Northeast	\$10,000	Mark Robar Trail's End Farm
FNE06-586	Problems with sudden-rot syndrome in garlic seed in New England.	\$8,257	Norman S. (Skip) Paul, Jr. Wishing Stone Farm
FNE05-555	Rhode Island pastured poultry association	\$5,250	Patrick McNiff Southside Community Land Trust
FNE05-556	A feasible method for organic fertilization of greenhouse tomatoes through drip irrigation	\$3,430	Arthur Mello
FNE03-470	Grow Organic Vegetables From Western Nigeria	\$4,288	John Kamson Koka Farms
FNE99-237	High Density Maple Sugar Orchard and Tapping of Immature Trees	\$3,000	Charles Chase Charlie's Sugarhouse
FNE93-006	Development and Evaluation of an Alternative Ice House Refrigeration System	\$1,500	Charles Chase Charlie's Sugarhouse
FNE93-008	Flame Weed Control in Cut Flower Production	\$1,350	Paul Pieri Maurolou Farm

#### GRADUATE STUDENT GRANTS

Project #	Project Title	SARE Support	Project Leaders
GNE19-192	Best Management Practices for Small-scale Egg Producers	\$14,901	Becky Sartini, PhD University of Rhode Island Julie Bosland University of Rhode Island
GNE17-145	The effect of season upon the life cycle and development of <i>Haemonchus contortus</i> in experimentally infected lambs	\$14,640	Katherine Petersson University of Rhode Island Marissa Brummett University of Rhode Island

<a href="#">GNE16-136</a>	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
<a href="#">GNE14-071</a>	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
<a href="#">GNE11-026</a>	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
<a href="#">GNE10-013</a>	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

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

#### SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
<a href="#">CNE09-058</a>	The Rhode Island "Market Mobile": Easing channels for distribution for farmers and food buyers	\$21,777	Sheri Griffin Farm Fresh Rhode Island

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

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