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.

SARE
Sustainable Agriculture Research & Education

www.sare.org

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

Maine

Project Highlight: *Interpersonal Relationships Farm Viability*

Small-scale and beginning farmers are vital to Maine's agriculture. According to the Maine Farm Bureau, 61 percent of the state's producers farm one to 99 acres. Additionally, the number of beginning farmers, those who have been in the business 10 years or fewer, has grown. However, the total number of farms in Maine is decreasing. An increase in farm retention is needed–and is possible by targeting education to small-scale and beginning farmers and the professionals who support them. The University of Maine Cooperative Extension is leading a SARE-funded project to meet this need.

The project sought to expand farm educators' training materials with information on interpersonal communication and relationships. It initially aimed to train 45 service providers, many of whom participate in the Beginning Farmer Resource Network of Maine. Instead, 53 people took part. The program included farmer focus groups, working groups, one and a half days of training and a webinar. A toolkit, one-on-one consultation checklist and a decision-making tool were also developed.

The 53 trained service providers will apply their newly developed skills in one-on-one consultations with 90 farmers, who manage a combined 10,755 acres, with an aim to improve farm retention and farmer lifestyle satisfaction.

For more information on this research, see sare.org/projects, and search for project number ENE16- 142.

SARE in Maine

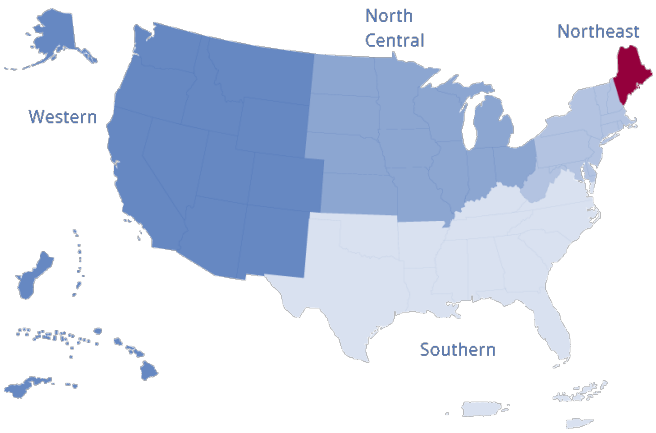
northeast.sare.org/sare-in-your-state/maine

$6,367,374 in total funding

211 grant projects

(since 1988)

For a complete list of grant projects state by state, go to www.sare.org/state-summaries



SARE Grants in Maine

Total awards: 211 grants

114 Farmer/Rancher
14 Graduate Student
30 On Farm Research/Partnership
12 Professional Development Program
41 Research and Education

Total funding: $6,367,374

$858,163 Farmer/Rancher
$180,163 Graduate Student
$433,944 On Farm Research/Partnership
$880,487 Professional Development Program
$4,014,617 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/maine

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/maine to learn more.

Ellen Mallory
University of Maine
(207) 581-2942
ellen.mallory@maine.edu

Tom Molloy
University of Maine
(207) 581-3213
thomas.molloy@maine.edu

USDA SARE Sustainable Agriculture Research & Education

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 offrered may be included or excluded from the totals in this report depending on the grant program and SARE region.

AGRICULTURE PROJECTS FUNDED IN MAINE

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

Maine has been awarded $6,520,233 grants to support 219 projects, including but not limited to, 37 research and/or education projects, 12 professional development projects and 114 producer-led projects. Maine has also received additional SARE support through multi-state projects.

RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
LNE19-377	Building Social Sustainability on Farms through Online and In-Person Education	$197,676	Leslie Forstadt University of Maine Cooperative Extension
LNE19-374	Nutrient and Weed Management Strategies for Organic Wild Blueberry Growers	$199,828	Dr.Lily Calderwood University of Maine
LNE17-358	Developing Best Management Practices for pulse and oilseed crops in the Northeast	$105,527	Jake Dyer Maine Potato Board
LNE14-336	Best management practices for the control of blister worm on oyster farms	$61,742	Dr.Paul Rawson University of Maine
LNE14-337	Control of Haemonchus contortus in northern New England sheep and goats through manipulation of its winter ecology	$200,161	Dr.James Weber University of Maine
LNE13-325	Improving winter grain yields, grain quality, and nitrogen use efficiency in New England using adaptive management	$236,931	Ellen Mallory UMaine Coop Extension
LNE11-306	Increased profits from disease-free garlic planting stock	$121,340	Dr.Steve Johnson University of Maine
LNE10-294	Eliminating the effects of footrot on sheep flocks in the Northeast	$184,760	Dr.Richard Brzozowski University of Maine Cooperative Extension
LNE09-287	Reducing fuel and fertilizer costs for corn silage in the Northeast with cover crops and no-till	$149,755	Richard Kersbergen University of maine Cooperative Extension
LNE08-275	Integrating Organic Crop Management Practices with Permitted Pest Control Materials: IPM for Organic Farms	$158,403	Dr.Eric Sideman Maine Organic Farmers and Gardeners Association
LNE07-264	Canola as an oilseed crop for New England	$78,867	Peter Sexton University of Maine Cooperative Extension Andrew Plant University of Maine Coope
LNE06-237	Managing weed seed rain: A new paradigm for organic and low-input farmers	$156,520	Dr.Eric Gallandt University of Maine
LNE06-240	Expanding grain production and use on organic dairy farms in Maine and Vermont	$143,626	Richard Kersbergen University of maine Cooperative Extension

LNE06-242	Building connections: Creating a broader public base for CSAs	$151,655	Russell Libby MOFGA
LNE05-228	Maine Organic Farmers and Gardeners Association (MOFGA)	$24,999	Dr.Eric Sideman Maine Organic Farmers and Gardeners Association
LNE04-203	Hybrid Mulching Effects on Vegetable Crop Productivity, Weed Dynamics and Soil Quality	$131,302	Dr.Mark Hutton University of Maine Coope
LNE04-210	Developing a Support Network for Grass Based Livestock Producers	$90,400	Diane Schivera Maine Organic Farmers and Gardeners Association
LNE03-178	Katahdin Hair Sheep Upgrade Project – Phase II	$105,690	Dr.Richard Brzozowski University of Maine Cooperative Extension
LNE02-160	Restoring Our Seed: Extension Program to Train Farmers in Ecological Seed Crop Production	$135,000	CR Lawn MOFGA Eli Kaufman MOFGA
LNE02-166	Integration of a Brassica Green Manure into the Potato-Barley Rotation	$77,503	Peter Sexton University of Maine Cooperative Extension
LNE01-141	Diversity & Intensity of Cover Crop Systems: Managing Weed Seed Bank & Soil Health	$155,937	Dr.Eric Gallandt University of Maine
LNE01-146	Farms for Maine's Future: Comprehensive, Sustainable Strategies Using Teams	$145,000	John Piotti Coastal Enterprises, Inc./Maine Farms Project
LNE00-138	Katahdin Hair Sheep Upgrade Project	$135,167	Dr.Richard Brzozowski University of Maine Cooperative Extension
LNE99-122	Establishing Integrated Systems Baseline & Educational & Mentoring Programs	$56,833	Stewart Smith Maine Sustainable Agriculture Society
LNE98-103	Soil Amendment & Crop Rotation Effects on Productivity & Soil Properties Within Potato Production Systems	$100,126	Gregory A. Porter University of Maine
LNE98-113	Alternate Grain/Bean Rotations for Optimized Economic Yield in Northeast Organic Farming	$68,604	William Brinton Woods End Agricultural Institute
LNE96-064	Impact of Herbicides on Beneficial Insects of Blueberry & Cranberry	$150,000	Frank A. Drummond University of Maine, Dept of Biological Sciences
LNE96-071	Compost Laboratory Education Project	$51,650	William Brinton Woods End Agricultural Institute
ANE95-027	Utilization of a Neem Product in a Reduced Synthetic Chemical Insecticide Management Program for Colorado Potato Beetle	$18,245	Kathleen Murray Dept. of Biological Sciences, University of Maine
LNE94-041	Farmer-to-Farmer Directory and Field Days (LNE91-29)	$28,000	Dr.Eric Sideman Maine Organic Farmers and Gardeners Association
ANE94-020	Nutrient Management on Maine Dairy Farms	$107,000	Timothy S. Griffin New England Plant, Soil and Water Research Lab

LNE94-046	Improving Pollination for the Northeast: On-Farm Testing, Demonstration and Management of the Alfalfa Leafcutting Bee	$120,000	Frank A. Drummond University of Maine, Dept of Biological Sciences
LNE93-036	Ecological Management of Potato Cropping Systems (ANE93.018)	$11,870	Gregory A. Porter University of Maine
LNE92-030	Decision Making in Sustainable Agriculture Systems — Planning Grant	$5,000	Michell Hutt University of Southern Maine
LNE91-029	Farmer-to-Farmer Directory and Conference (LNE94-41)	$21,500	Dr.Eric Sideman Maine Organic Farmers and Gardeners Association
LNE90-023	The Integration of Crop (Potato) and Livestock Production Systems	$43,000	Barbara Barton University of Maine
LNE89-012	Ruminant Animal Production Using Tyfon Forage Brassica	$85,000	Mary Weidenhoeft University of Maine

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE Support	Project Leaders
ENE20-164	The Northeast Climate Adaptation Fellowship to Support Vegetable and Fruit Farmers	$149,000	Dr.Rachel Schattman University of Maine School of Food and Agriculture
ENE17-146	Professional Development in Calibrating Pesticide and Nutrient Application Equipment for Agricultural Service Providers	$90,743	Caragh Fitzgerald University of Maine
ENE17-147	Training the Trainers; Enhancing Extension Resources for Beginning Farmers	$47,107	Jason Lilley University of Maine Cooperative Extension
ENE16-142	Focusing on interpersonal relationships for greater farm viability	$61,002	Leslie Forstadt University of Maine Cooperative Extension
ENE14-131	Applied Poultry Science Professional Development Project – Phase II	$70,715	Donna Coffin UMaine Extension Dr.Richard Brzozowski University of Maine Cooperative Extension
ENE11-119	Management Practices to Reduce Agricultural Emissions: A Workshop for Professionals	$33,098	Susan Gammon Androscoggin Valley Soil and Water Conservation District
ENE08-108	Sustainable Livestock Mortality Management	$169,425	Mark Hutchinson University of Maine Extension
ENE04-084	Eat Local Foods Coalition: Connecting Nutritionists and Farmers	$9,973	Russell Libby MOFGA
ENE02-068	Sustainable Farm Forest Management Using Small-Scale Logging Methods	$98,744	Andrew Egan University of Maine
ENE01-063	Farmer Interviews as a Tool for Educating Agricultural Support Personnel and Other Farmers	$42,120	Stewart Smith Maine Sustainable Agriculture Society
ENE97-029	University of Maine Cooperative Extension Compost School	$101,560	Neal D. Hallee University of Maine Cooperative Extension

ENE96-027	In-Service Training on Sustainable Animal Agriculture	$7,000	Calvin Walker University of Maine

FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
FNE20-955	Determining optimal seed-clam size for littleneck/oyster polyculture	$14,922	Jordan Kramer Winnegance Oyster Farm
FNE20-958	Introducing Value-Added Cornmeal into Liberation Farm's agricultural Production	$10,527	Muhidin Libah Somali Bantu Community Association
FNE20-947	Effect of Container Depth on Taprooted Seedling Root Morphology & Post-Transplant Establishment Success	$14,908	Anson Biller Full Fork Farm
FNE20-965	Developing management options for Staph aureus on organic dairies	$13,149	Katie Webb Clark Reed Farm
FNE19-921	Evaluating Alternative Malting Barley Varieties and their Acceptance in the Northeast Craft Brewing Community	$14,509	Jacob Buck Maine Malt House
FNE19-932	European Corn Borer Detection in Local Hopyards	$6,247	ryan houghton The Hop Yard
FNE19-936	Using Shading to Control Algal Bio-fouling on a Floating Oyster Farm	$12,805	Jordan Kramer Winnegance Oyster Farm
FNE19-940	Development of a New Seaweed Growing System for Nori Production in the Northeast	$15,000	Sarah Redmond Springtide Seaweed, LLC
FNE19-946	Developing Management Options for Staph aureus on Organic Dairies	$13,157	Katie Webb Clark Reed Farm
FNE18-897	Tree Leaf Fodder for Livestock: Transitioning Farm Woodlots to ‘Air Meadow’ for Climate Resilience	$15,000	Shana Hanson 3 Streams Farm
FNE18-901	Littleneck Clam and American Oyster Polyculture: Economic Viability and Nursery Technique	$12,273	Jordan Kramer Winnegance Oyster Farm
FNE18-905	High Density Hybrid Plums: Innovation and Efficient Fruit Production for the Northeast	$7,508	John O'Meara O'Meara Family Farm
FNE17-864	Building soil fertility with spent brewers grains	$11,272	Anson Biller Full Fork Farm
FNE17-868	The effect of crowning and weed management practices on hop yield and downy mildew	$12,206	Krista Delahunty Aroostook Hops
FNE17-876	Developing a breed registry for Polwarth sheep using imported semen and radio-frequency technology	$15,000	Nanne Kennedy Seacolors Yarnery at Meadowcroft Farm
FNE17-877	Integrated oyster and littleneck clam aquaculture to increase seafarm yield	$14,942	Jordan Kramer Winnegance Oyster Farm

FNE16-845	Taking no-till corn a step (or two) further	$14,800	Mary Ann Hayes Ward Dairy Farm
FNE16-848	Using tidal energy to clean and tumble oysters	$15,000	Jordan Kramer Winnegance Oyster Farm
FNE16-854	Pallet-mounted plastic grain bin for drying and long-term weatherproof storage	$7,732	Sean O'Donnell Rusted Rooster Farm
FNE16-856	Viability of directly sown paddy rice	$14,632	Samuel Rooney Wild Folk Farm
FNE16-857	Using forage radish to combat compaction in hay and pasture land	$10,671	Abby Sadauckas Apple Creek Farm, LLC
FNE15-820	Evaluating sheep as a sustainable approach to reducing reliance on herbicides, fungicides, and commercial fertilizer in hop yards	$6,954	Peter Busque The Hop Yard ryan houghton The Hop Yard
FNE15-826	Viability of integrating field peas into organic cereal grain rotations in Maine	$11,365	Jake Dyer Benedicta Grain Co.
FNE14-797	Evaluation of hardy fig varieties in a northern New England high tunnel	$14,992	Bill Errickson Singing Nettle Farm
FNE14-808	Study of ramial chip mulch and organic fertilizers on wild blueberries	$14,706	Nicolas Lindholm Blue Hill Berry Co.
FNE14-810	Brassicas and small grains: Sustainable feed for Northeast dairy farms	$11,078	John O'Meara O'Meara Family Farm
FNE14-796	Investigating Best Practices for the Timing and Amount of Organic Soluble Nitrate Fertigation of Hops in the Northeast	$14,920	Krista Delahunty Aroostook Hops Dr.Jason Johnston Aroostook Hops
FNE13-782	Allium white rot biostimulation project-Part 2	$8,104	Amy LeBlanc Whitehill Farm
FNE12-742	Evaluating Cover Cropping and Non-Herbicide Weed Management Strategies in Hops, a Perennial Crop	$12,654	Krista Delahunty Aroostook Hops Dr.Jason Johnston Aroostook Hops
FNE12-756	A comparison of strength and survivability of honeybee colonies started with conventional versus northern requeened packages	$14,997	Erin MacGregor-Forbes Overland Apiaries
FNE11-711	An Experiment on the Effectiveness of Irrigation and Cover Cropping to Produce Sustainable Hops in Maine	$10,197	Dr.Jason Johnston Aroostook Hops Krista Delahunty Aroostook Hops
FNE11-712	Feeding Minerals and Supplements to a Organic Pastured Poultry Operation	$14,007	Carly DelSignore Tide Mill Organic Farm
FNE11-714	Amending pasture soil to decrease weed presence while improving forage species composition and quality	$10,706	Bill Errickson Singing Nettle Farm

FNE11-721	Management of Allium White Rot	$8,301	Amy LeBlanc Whitehill Farm
FNE10-690	The Analysis of the Cost and Quality of Direct Cut Vacuum Silage for the Northeast	$8,442	Seth Kroeck Crystal Spring Community Farm
FNE10-694	A Comparison of Honey Bee Colony Strength and Survivability between Nucleus and Package Started Colonies	$14,993	Erin MacGregor-Forbes Overland Apiaries
FNE10-696	Sulfur Application for Weed Specific Suppression	$5,812	Kristen McGovern Berry Brook Blueberry Farm
FNE10-698	Buckwheat Hay – A Quality Feed for Dairies in the Northeast?	$7,314	John O'Meara O'Meara Family Farm
FNE10-699	Evaluating Suitability of Open-Pollinated Melon Varieties for Intensive Organic Production	$4,093	Alice Percy Treble Ridge Farm
FNE09-671	Using Chickens and a Cover Crop Barrier for Weed Control in Organic Asparagus	$7,175	Marilyn Stanley Chick Farm
FNE09-673	The effect of biochar applications on soil fertility and crop production on a small vegetable farm in the Northeast US	$8,262	Sue Straubing Morgan Bay Farm
FNE09-674	Pasturing Hogs on Field Peas and Barley	$9,973	Hanne Tierney Cornerstone Farm
FNE09-656	Pressing Spent Brewers Grains to improve its use as alternative feed: A Study of its effect on Dairy Sheep and Meat lambs	$9,992	Ells Perry Ellsfarm
FNE09-663	Exploring Husbandry and Equipment Solutions to Infestations of Polydora sp. on a Maine Oyster Farm	$9,365	Jesse Leach Bagaduce River Oyster Co.
FNE09-665	A Comparison of Honey Bee Colony Strength and Survivability between Nucleus and Package Started Colonies	$9,993	Erin MacGregor-Forbes Overland Apiaries
FNE09-668	Testing New Dwarfing Apple Rootstocks for the Northern Grower	$5,363	John O'Meara O'Meara Family Farm
FNE08-627	Production and nutrition of no-till drilling	$9,315	Gabe Clark Cold Spring Ranch
FNE08-643	Growing and pressing sunflowers for organic livestock protein supplements	$9,273	Mia Morrison
FNE08-644	Reduction of Imidacloprid resistance of Colorado potato beetles with an organic integrated pest management program	$5,110	Megan Patterson Green Thumb Farms
FNE07-623	Improving forage quality by seeding through liquid manure applications	$4,146	Roger Whitney

FNE07-600	Crop planning software for small diversified farms	$9,054	Clayton Carter
FNE06-565	Corn silage pellet production	$6,000	David Barker Barker Farm, Inc.
FNE06-587	Growing winter spelt as an organic grain or forage for dairy cows	$4,172	Henry Perkins
FNE05-548	Tarnished plant bug scouting and control in organic annual day-neutral strawberry production in the Northeast	$9,160	Mark Jacoby
FNE05-557	Evaluating organic feed quality for dairies	$10,000	Mia Morrison Maine Organic Milk Producers
FNE05-558	Integration of winter barley with management intensive grazing	$3,859	Mia Morrison Maine Organic Milk Producers
FNE05-559	Cedar: a control for varroa mites	$5,215	John O'Meara O'Meara Family Farm
FNE05-561	Monitored study of broomcorn growth in Hancock County, Maine	$3,682	Susan Sharpe
FNE05-540	Sunflowers as a methionine source for organic poultry production, sunflower hulling processes, and sunflower variety trial	$9,419	Catherine Albert Jalko Farm
FNE04-507	Using Ramial Wood Chips to Improve Fertility in a Fruit Tree Nursery	$2,232	Ann Currier
FNE04-521	Evaluation, Comparison and Feasibility Study of Current Options in Cheese Aging Caves	$5,315	Warren Knight Smiling Hill Farm, Inc.
FNE04-527	Measuring the Effectiveness of Treating Lambs With Garlic at Various Rates for Internal Parasites Using the FAMACHA System	$6,000	Jean Noon Noon Family Sheep Farm
FNE04-528	Growing Weed-Free Strawberries	$1,989	David Pike
FNE04-530	Use of a Polypropylene Fabric Cover as a Barrier to Egg-Deposition by Cranberry Fruitworm Acrobasis vaccinii (Riley)	$1,593	Ted Sparrow Sparrow Farm
FNE03-485	Controlling Varroa Mites with Walnut Leaf Smoke	$8,682	John O'Meara O'Meara Family Farm
FNE03-495	Feasibility of a Farmer Marketing Group in Piscataquis County	$7,740	Lorraine Stultzman
FNE03-455	Broadcast Planting Techniques for Large Ginseng Acreage	$4,000	Felix Blinn Haven Farm

FNE03-460	Determination of the Productive Capacity of the Damariscotta River for Farm-Raised Oysters (Crassostrea virginica)	$8,255	Christopher Davis Pemaquid Oyster Co., Inc.
FNE03-469	New England Comprehensive Beef and Livestock Production	$5,190	Eric Jensen Wolfe's Neck Farm Foundation, Inc.
FNE03-479	Portable Sheep Dairy	$9,611	Claire Mikolayunas University of Wisconsin-Madison
FNE03-482	A Controlled Experiment to Measure the Effectiveness on Lambs of Wormers that Conform to the New Organic Standards	$7,600	Jean Noon Noon Family Sheep Farm
FNE03-483	Maine Mountain Creamery Advertising Project	$5,605	Dion Olmstead
FNE02-401	Designing an Affordable Silage Wrapper for Small Farmers	$763	Benjamin Albert
FNE02-432	Optimizing Forage Quality and Production on Depleted Farmland to Extend the Grazing Season Increase Yields	$7,283	David Potter
FNE02-403	Alternative Feed Source Guide	$9,191	Scott Bowdridge Kelmscott Rare Breeds Foundation
FNE02-441	Comparing the Input Costs and Economic Returns of a Planted Windbreak in Central Maine	$5,657	Ted Sparrow Sparrow Farm
FNE02-406	Quinoa Introduction in the River Valley	$5,169	Norris Conant
FNE02-416	Project Aawre	$4,692	Jennifer Gunderman-King Dawa Farm
FNE02-422	Silvopasture	$8,000	Brad Hunt
FNE02-423	Fish Waste Utilization Project	$9,618	Robert Johanson Goranson Farm
FNE02-429	Green Manure Mulch and Cover Crop for Orchards	$2,691	Marilyn Meyerhans
FNE02-400	Evaluating Grains Grown in Aroostook County, Maine to Determine the Feasibility of Producing a Locally Grown Poultry Feed	$2,134	Catherine Albert Jalko Farm
FNE02-431	Grazing Sheep in Organic Lowbush Blueberry Fields to Control Weeds and Increase Yields	$3,602	Kevin Poland
FNE01-390	Comparison of Green Manure Mixes in Relation to Nitrogen Immobilization & Release	$3,450	Lucian Smith Beech Hill Farm/College of the Atlantic

FNE00-328	Improving Financial Returns Early in an Orchard's Life Through Alley Cropping.	$11,100	Jack Kertesz
FNE00-331	"Bird, Blossom, and Berry" subscription program.	$7,583	Madeline Cantwell
FNE99-244	Winter Wheat Trials with Response to Composts for Maine	$4,900	Mark Fulford
FNE99-239	Farmer-to-Market Website: A Meat Processing and Delivery Resource Survey	$2,480	Perry Ells Kelmscott Rare Breed Foundation
FNE98-198	An Alternative to Flooding for the Winter Protection of Cranberries in ME	$4,938	Bert-Sid Look
FNE98-204	Raspberry Mulch Evaluation	$1,895	Chris Bailey The Morris Farm
FNE98-209	Timing and Intensity of Cultivation and Effects on Weed Control	$2,770	Gerald Fortin
FNE98-213	Goldenseal Production for Sustainable Woodlot Management	$4,125	Tom Griffin Woods End Farm
FNE98-216	Integrated Approach in Controlling Japanese Beetles Project	$4,117	George Joseph
FNE97-177	Field Trials of Ag Covers to Reduce Cranberry Fruitworm Damage	$1,770	Michael McFarlane
FNE97-189	Improving Production Methods for Shiitake Mushrooms	$2,225	Carlton Woodward
FNE97-167	Establishing and Enlarging on Maine Ginseng Production	$6,000	Stephen Drane
FNE97-171	Successful Marketing Through Product Identification/Packaging	$3,500	Chris Holmes
FNE97-175	Conservation of Wild Blueberry and Cranberry Pollinators	$3,950	Sanford E. Kelley, Jr.
FNE96-135	The Development of Rhubarb Agriculture in Maine	$3,200	Mark Jacoby
FNE96-136	The Efficacy of Red Oak Sawdust as a Mulch to Control Grass and Weeds in Organic Wild Blueberries	$2,827	Douglas Johnson
FNE96-137	Dairy Farm Diversification/Waldo County, Maine	$3,000	Jeffery Keene
FNE96-138	Sustainable Pollination of Wild Blueberry and Cranberry	$4,880	Sanford E. Kelley, Jr.

FNE96-143	Broad Based Organic Control of Cranberry Fruit Worm	$2,950	Michael McFarlane
FNE96-127	Using Composted Paper Mill Wood Fiber Residual as a Mulch/Soil Amendment in Potato Production	$2,974	Donald Fitzpatrick
FNE95-079	Developing a Sustainable Approach to Hop Production in Northeast	$5,970	Jonathan Blumberg
FNE95-099	Best Methods of Establishing Newly Planted Cranberry Vine	$2,080	Michael MacFarlane
FNE95-112	Once Daily Milking – Organic Dairy Herd	$4,990	Gloria and Greg Varney
FNE94-037	Comparison of Organic Mulches for Perennial Quackgrass Control in Orchard Floor Management	$642	Cynthia Anthony
FNE94-038	Minor Breed Turkeys – Growth Rate and Eating Qualities	$980	Anne Bossi
FNE94-053	Feasibility and Propagation of Leafcutter Bee in Maine	$922	John Russell
FNE93-024	Cranberry 2000	$6,250	Darin Hammond
FNE93-009	Evaluation of the Economic and Environmental Impact of Amino Acid Based Laying Rations	$660	Charles Wallace
FNE93-010	Nutrient Management For Potatoes Used for Potato Chips	$5,000	Carl D. Smith
FNE93-011	Evaluation of a Fiber Flax Production System as a Low Input, Alternative Crop for Northern New England	$5,000	Greg Ward

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE Support	Project Leaders
GNE19-218	Automated Net Return Mapping: Using Inexpensive Technology for Maximizing Profit of Small-Scale Farms	$14,806	Dr.Eric Gallandt University of Maine Johnny Sanchez University of Maine
GNE19-194	Analyzing Early Growth Characteristics and Anchorage Force to Improve Cultivation Tolerance in Carrots	$14,683	Dr.Eric Gallandt University of Maine Rebecca Champagne The University of Maine
GNE18-172	Improving Productivity of Casco Bay Kelp Farms Using Spatiotemporal Analysis of Coastal Nutrient Data	$14,754	Dr.Damian Brady University of Maine Gretchen Grebe University of Maine
GNE18-184	Innovative Resources for Small Ruminant Health	$15,000	Anne Lichtenwalner, DVM PhD University of Maine Sarah Paluso University of Maine

GNE15-110	Bioactive compounds in farm-raised sea vegetables	$7,616	Dr.Denise Skonberg University of Maine Dhriti Nayyar University of Maine
GNE14-074	Genetic comparisons of temperature tolerances of a candidate sea vegetable crop, Alaria esculenta	$14,992	Susan Brawley University of Maine Charlotte Quigley University of Maine
GNE14-076	Increasing parameter accuracy of an agriculturally focused, spatially-explicit bee abundance model	$14,652	Frank A. Drummond University of Maine, Dept of Biological Sciences Dr.Cynthia Loftin University of Maine Brianne Du Clos University of Maine
GNE14-072	Balancing economy and ecology: A systems comparison of leading organic weed management strategies	$13,147	Dr.Eric Gallandt University of Maine Dr.Jianjun Hao University of Maine Dr.Aaron Hoshide University of Maine Bryan Brown University of Maine
GNE13-053	The effects of dietary imidacloprid on bumblebee health in lowbush blueberry fields in Maine	$14,082	Frank A. Drummond University of Maine, Dept of Biological Sciences Kalyn Bickerman University of Maine Orono
GNE13-055	Integrating social and natural science to improve pollination outreach and education for farmers	$13,545	Dr.Samuel Hanes University of Maine Kourtney Collum University of Maine
GNE13-069	Factors contributing to low embryo survival in Atlantic salmon (Salmo salar)	$14,989	LeeAnne Thayer University of Maine
GNE11-016	Farm-Grown Microbial Soil Inoculants: Effects on Bread Wheat Yield and Quality	$9,767	Dr.Eric Gallandt University of Maine Aaron Englander University of Maine
GNE10-001	Assessing the Direct Effect of Disease-Suppressive Soil Amendments on Rhizoctonia solani	$9,430	Stellos Tavantzis University of Maine Edward Bernard University of Maine
GNE10-004	Improving Weed Control on the Small Farm: Evaluation of Scale-Appropriate Cultivation Tools	$8,700	Dr.Eric Gallandt University of Maine Benjamin Costanzi University of Maine

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE Support	Project Leaders
ONE20-356	Development of Integrated Seaweed and Green Sea Urchin Aquaculture for Diversification of Sea Farms in the Northeast	$29,985	Andrea Angera, Jr. Maine Seaweed Exchange
ONE20-359	Improving Shelf Life of Fresh Pack Maine Wild Blueberries	$28,270	Dr.Lily Calderwood University of Maine Marjorie Peronto University of Maine Cooperative Extension
ONE20-364	Biosecurity Preparedness, Infectious Disease Prevention, and Farmer Training on Northern New England Swine Farms	$29,270	Carolyn Hurwitz Maine Department of Agriculture, Conservation and Forestry Carol Delaney, M.S. Maine Department of Agriculture, Conservation and Forestry

ONE20-366	Comparing Alternative Weed Management Practices to Black Plastic in CBD Hemp Production	$29,993	Dr.John Jemison, Jr. University of Maine Cooperative Extension
ONE19-334	Maine Climate Resilience Training Program	$29,787	Ryan Dennett Maine Organic Farmers and Gardeners Association
ONE19-341	Expanding Quahog and Oyster Polyculture in Maine	$29,575	Dr.Marissa McMahan Manomet
ONE18-322	More Maine Meat Chain of Custody Project	$14,998	Tanya Swain Maine Sustainable Agriculture Society
ONE17-306	A histopathological-biochemical health and condition assessment of farmed blue mussels in a changing Gulf of Maine	$14,233	Adam St.Gelais University of New England
ONE16-283c	Investigating methods of preventing soil loss in a potato:grain rotation system using cover and nurse crops	$9,866	Dr.John Jemison, Jr. University of Maine Cooperative Extension
ONE16-268	Pilot aquaculture production of sea scallops (Placopecten magellanicus) in Maine, Japanese technique	$14,665	Dana Morse Maine Sea Grant and University of Maine Cooperative Extension
ONE16-270	Effects of non-NPK organic soil amendments on yield and quality of vegetable crops	$10,197	John Paul Rietz Organic Growers Supply (Fedco)
ONE14-203	High-tannin pasture plantings	$9,758	Diane Schivera Maine Organic Farmers and Gardeners Association
ONE14-204	Hancock County Gleaning Initiative	$14,850	Katie Freedman Healthy Acadia
ONE13-187	Potential of coppiced alder as an on-farm source of fertility for vegetable production	$14,896	Dr.Suzanne Morse College of the Atlantic
ONE13-195	Linking limited-resource immigrant farmers to EQIP programs	$14,565	Daniel Ungier Cultivating Community
ONE12-164	Farm-based control measures for caseous lymphadenitis in small ruminants: Offering a choice to the producer	$14,969	Anne Lichtenwalner, DVM PhD University of Maine
ONE11-141	Fall Flame Weeding: Targeting weed seeds before they enter the seedbank	$12,238	Dr.Eric Gallandt University of Maine
ONE09-098	Evaluation of Scale-Appropriate Weed Control Tools for the Small Farm	$9,236	Dr.Eric Gallandt University of Maine
ONE09-103	Grafting hoophouse tomatoes for improved yields and profitability	$9,525	Dr.Mark Hutton University of Maine Coope
ONE09-109	On-farm Colonization of tomatoes by Mycorrhizal Fungi, phase 2	$8,307	Frank Wertheim UMaine Cooperative Extension
ONE08-088	Oregano oil for internal parasite control in sheep, goats, and beef cattle	$9,914	Diane Schivera Maine Organic Farmers and Gardeners Association

ONE08-091	On-Farm Colonization of Tomatoes by AM Fungi	$4,055	Frank Wertheim UMaine Cooperative Extension
ONE07-073	Evaluation of various recipes and ingredients for composting aquaculture fish waste to attain a stable, high-nitrogen end product	$9,995	Dr.Mike Pietrak USDA National Cold Water Marine Aquaculture Center
ONE05-044	MOFGA's Farm Training Project: Workshops for Farm Apprentices and Other New and Beginning Farmers	$6,560	Andrew Marshall Maine Organic Farmers and Gardeners Association
ONE05-048	Pilot production of biodiesel from canola in New England	$9,925	Peter Sexton University of Maine Cooperative Extension
ONE05-038	Adopting pre-sidedress nitrogen testing to minimize nitrate application in sweet corn and pumpkins	$8,010	David Handley University of Maine Cooperative Extension
ONE05-040	Evaluation of forage soybeans to provide simultaneous benefits: A high-protein dairy forage and a legume cover crop?	$9,800	Mark Hutchinson University of Maine Extension
ONE05-041	Evaluation of silver reflective mulch, white inter-row mulch, and plant spacing for increasing yields of bell pepper	$9,167	Dr.Mark Hutton University of Maine Coope
ONE04-025	Managing Smooth Bedstraw (Galium mollugo L.) in Forage Crops	$7,405	Richard Kersbergen University of maine Cooperative Extension
ONE03-007	The effect of food processing waste on cover crop growth and subsequent cash crop production in a certified organic vegetable operation	$9,930	Mark Hutchinson University of Maine Extension

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
CNE13-109	Maine Grain Alliance Farmer/Baker/Miller Workshops	$6,574	Amber Lambke Maine Grain Alliance Dr.Harold Dowse Maine Grain Alliance
CNE12-095	Southern Somerset Local Foods Connection	$15,000	Paula Day Maine Alternative Agriculture Association
CNE10-068	School-Supported Agriculture for Downeast Maine	$14,957	Katie Freedman Healthy Acadia
CNE09-062	Maine Fiberarts Online Tour Map: Studios and Farms, 2009-2012	$24,378	Christine Macchi Maine Fiberarts
CNE09-061	Recipes for success: Empowering farmers, leveraging resources, building community	$23,446	Craig Lapine Cultivating Community
CNE08-046	Maine Beef Producers Association executive director position	$10,000	Pamela Harnden Maine Beef Producers' Association
CNE08-050	Downeast Maine Farm to School	$10,000	Doug Michael Healthy Acadia Coalition

CNE08-054	Get Fresh Net	$9,658	Tanya Swain Western Mountains Alliance
CNE07-030	Lots to gardens	$10,000	Kirsten Walter Lots to Gardens
CNE06-005	Town of Rumford community and economic development planning for agriculture	$10,000	Mark Hews Threshold To Maine RC&D Area
CNE06-012	Farm to School in Hancock County	$9,965	Doug Michael Healthy Acadia Coalition Heather Albert-Knopp Healthy Acadia Coalition
CNE06-016	Passamaquoddy youth wild berry package development	$8,881	Deirdre Whitehead Passamaquoddy Tribe

Total funding from the USDA SARE program to Maine
$6,520,233

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).