



# AGRICULTURE PROJECTS FUNDED IN MASSACHUSETTS

by USDA's  
Sustainable Agriculture Research and Education (SARE) Program  
1988-2018

Massachusetts has been awarded \$7,954,327 grants to support 203 projects, including but not limited to, 43 research and/or education projects, 13 professional development projects and 86 producer-led projects. Massachusetts has also received additional SARE support through multi-state projects.

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## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">LNE18-365</a>	Increasing Grower Adoption of Ecologically-based Pest Management Strategies to Improve Quality and Yield of Brassica Crops	\$198,754	Susan Scheufele UMass Extension Vegetable Program
<a href="#">LNE18-370</a>	Extending the Season: New Frozen Products for a New Market	\$199,524	Prof.Amanda Kinchla University of Massachusetts Amherst
<a href="#">LNE15-340</a>	Building resilience and sustainability in dairy forage systems in New England	\$194,161	Masoud Hashemi University of Massachusetts Amherst
<a href="#">LNE12-315</a>	Towards sustainable disease management in northeastern apples using risk forecasts and cultural controls	\$201,078	Daniel Cooley Stockbridge School of Agriculture
<a href="#">LNE12-316</a>	Tile drainage in Massachusetts cranberry production: Implementation and best management practices	\$205,836	Dr.Carolyn DeMoranville UMass Amherst Cranberry Station
<a href="#">LNE11-310</a>	Farm Financing: Measuring Profitability and Success	\$79,720	Dorothy Suput The Carrot Project
<a href="#">LNE10-297</a>	Expanding winter harvest and sales for New England vegetable crops	\$193,557	Ruth Hazzarad University of Massachusetts
<a href="#">LNE09-284</a>	Outreach, training, and education for small-scale poultry producers using MPPUs in Massachusetts	\$142,072	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">LNE09-285</a>	Nutrient management on organic vegetable farms: A research and education program for sustainable soil fertility management in southern New England	\$148,375	Dr.Beth Hooker Hampshire College Beth Hooker Mount Holyoke College

<a href="#">LNE08-270</a>	Northeast Organic Wheat; an extension program for on-farm crop improvement in organic systems and local market partnerships	\$162,845	Eli Rogosa Northeast Organic Wheat
<a href="#">LNE07-255</a>	On-farm workstays: Creating safe and lawful on-farm training opportunities in the Northeast	\$63,171	Judith Fuller New England Small Farm Institute
<a href="#">LNE07-257</a>	Assessing pasture grasses, legumes and pasture blends for varying soil conditions in New England and Pennsylvania	\$211,989	Dr.Stephen Herbert UMass
<a href="#">LNE07-259</a>	Farms Forever: A partnership approach to increasing farm transfer and succession in southeastern Massachusetts	\$122,212	Bridget Alexander Southeastern Massachusetts Agricultural Partnership, Inc. Sarah Kelley SE Mass. Agricultural Partnership (SEMAP) Jay Coburn Southeastern Massachusett
<a href="#">LNE06-238</a>	Conserving end-of-season N with effective seeding dates for cover crops based on fall growing degree days	\$85,953	Dr.Stephen Herbert UMass
<a href="#">LNE06-250</a>	Strengthening farmstead cheese businesses through risk assessment, reduction, monitoring, testing, and technical support	\$151,682	Dr.Lynda Brushett Cooperative Development I
<a href="#">LNE05-217</a>	Increasing the sustainability of Massachusetts cranberry production through cultural management of the bog habitat	\$169,885	Dr.Carolyn DeMoranville UMass Amherst Cranberry Station
<a href="#">LNE05-220</a>	Increasing the use of sustainable forestry by farmers who have woodlots	\$112,625	Arthur Eve Massachusetts Woodlands Cooperative, LLC
<a href="#">LNE05-223</a>	New Entry Sustainable Farming Project transitioning farmer program	\$133,468	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">LNE05-229</a>	Implementing a sustainable greenhouse health maintenance program	\$83,637	Tina Smith University of Massachusetts
<a href="#">LNE04-198</a>	Integrated and Sustainable Wine Grape Production in Southern New England	\$100,000	William Coli University of Massachusetts Extension
<a href="#">LNE04-202</a>	Achieving High Quality Brassica Crops on Diversified Vegetable Farms	\$126,956	Ruth Hazzarad University of Massachusetts Kimberly Stoner Connecticut Agricultural Experiment Station
<a href="#">LNE02-165</a>	Marketing Ecologically Grown Produce in the Mainstream Marketplace	\$150,000	Michael Rozyne Red Tomato
<a href="#">LNE02-169</a>	Northeast Organic Farming Association Organic Practices Handbook Series	\$33,014	Jonathan von Ranson
<a href="#">LNE02-157</a>	Educating Northeast New Farmers	\$119,491	Judith Fuller

	about Farm Equipment & Mechanization		New England Small Farm Institute
<a href="#">LNE02-161</a>	Nutrient Recycling in Urban Agriculture	\$92,230	Judy Lieberman Brookwood Community Farm
<a href="#">LNE02-163</a>	Energy & Small Farm Sustainability	\$88,548	Nancy Nylan CET (Center for Ecological Technology)
<a href="#">LNE01-142</a>	Providing Farmers with New Brassica Species & Management Options of Flea Beetles for Expanding Markets in Mass. & Conn.	\$135,632	Frank Mangan University of Massachusetts
<a href="#">LNE00-135</a>	Toward Sustainability in Northeastern Apple Production: Orchard Ecosystem Architecture, Key Pests, and Cultivar Selection	\$134,030	Daniel Cooley Stockbridge School of Agriculture
<a href="#">LNE00-136</a>	CSA in the Northeast: Growing the Movement	\$49,063	Kathy Ruhf New England Small Farm Institute
<a href="#">LNE99-118</a>	Implementing a Biointensive Strategy for Caterpillar Control in Sweet Corn	\$68,265	Ruth Hazzarad University of Massachusetts
<a href="#">LNE99-119</a>	Training & Supporting the Next Generation of Northeast Sustainable Farmers	\$108,449	Kathy Ruhf New England Small Farm Institute
<a href="#">LNE98-107</a>	Integrated Management of Cranberry Insect, Weed & Disease Pests Using Fall & Spring Floods	\$130,000	Dr.Carolyn DeMoranville UMass Amherst Cranberry Station
<a href="#">LNE98-112</a>	Strengthening CSA in the Northeast: Next Steps	\$57,733	Kathryn Ruhf Northeast Sustainable Agriculture Working Group
<a href="#">LNE97-090</a>	Integrating High-Density Orchards and Biointensive Integrated Pest Management Methods in Northeastern Apple Production	\$121,535	Daniel Cooley Stockbridge School of Agriculture
<a href="#">LNE97-092</a>	Chinese Medicinal Herbs as Crops for the Northeast	\$60,716	Lyle E. Craker University of Massachusetts
<a href="#">LNE96-076</a>	Outreach and Training for On-farm Composting	\$60,091	John Majercak Center for Ecological Technology
<a href="#">LNE95-063</a>	Community Supported Agriculture: Research and Education for Enhanced Viability and Potential in the Northeast	\$159,000	Daniel A. Lass University of Massachusetts
<a href="#">LNE94-050</a>	Water Management to Minimize Pesticide Inputs in Cranberry Production (ANE94.21)	\$96,940	Dr.Carolyn DeMoranville UMass Amherst Cranberry Station
<a href="#">ANE94-021</a>	Water Management to Minimize Pesticide Inputs in Cranberry Production (LNE94-050)	\$96,940	Dr.Carolyn DeMoranville UMass Amherst Cranberry Station

<a href="#">LNE92-031</a>	Demonstrating the Economic and Environmental Advantages of Legume Cover Crops to New England Growers	\$100,000	Dr.Stephen Herbert UMass
<a href="#">LNE91-028</a>	The Northeastern Farmer-to-Farmer Information Exchange	\$48,168	Margaret Christie NOFA Interstate Council
<a href="#">LNE90-026</a>	Alternative Strategies for Cranberry Production in the Northeast	\$128,458	Anne Averill University of Massachusetts
<a href="#">LNE88-005</a>	Cover Crops for New England Vegetable Growers: On-Farm Research, Economic Analysis and Outreach	\$170,000	Ralph DeGregorio New Alchemy Institute

### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">ENE15-140</a>	Unifying resistance management education for vegetable and fruit production in the Northeast	\$91,512	Dr.Hilary Sandler UMass Cranberry Station
<a href="#">ENE14-132</a>	Improving the viability of beginning farm enterprises by strengthening Northeastern farm incubator projects	\$163,342	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">ENE08-106</a>	Beginning Farmer Business Training and Education Partnership Project	\$135,630	Judith Fuller New England Small Farm Institute
<a href="#">ENE05-090</a>	Strengthening Farmers' Markets Through Advanced Business Training and Mentoring	\$62,600	Dr.Lynda Brushett Cooperative Development I
<a href="#">ENE05-092</a>	Northeast Network of Immigrant Farming Projects	\$80,904	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">ENE05-093</a>	Demonstrating effective grass farming practices	\$82,720	Matthew LeRoux New England Livestock Alliance
<a href="#">ENE04-087</a>	Building Professional Support for Institutional Purchasing & Buy Local Campaign Programs	\$124,376	Kathryn Ruhf Northeast Sustainable Agriculture Working Group
<a href="#">ENE02-065</a>	Cooperation Works Professional Development Program	\$62,600	Lynn Benander Cooperative Development Institute
<a href="#">ENE02-071</a>	Leadership Training on Farmland Conservation for New England and New York	\$57,513	Julia Freedgood American Farmland Trust
<a href="#">ENE01-060</a>	Neighborhood Open Spaces Training	\$30,000	Elizabeth Johnson Boston Natural Areas Network
<a href="#">ENE01-062</a>	Training Agricultural Professionals to Meet the Needs of Small Farmers—phase II	\$112,539	David Smith Cornell University Kathy Ruhf New England Small Farm Institute
<a href="#">ENE98-039</a>	Northeast Training & Support Network	\$132,392	Kathryn Ruhf

for Agriculture Development

Northeast Sustainable Agriculture  
Working Group

<a href="#">ENE97-034</a>	CSA – Building a Future for Farming in the Northeast	\$25,190	Elizabeth Keen Community Supported Agriculture of North America (CSANA)
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**FARMER/RANCHER GRANTS**

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">FNE18-893</a>	Laser Scarecrow Prototype	\$14,973	Kenneth Elliot Elliot Farm
<a href="#">FNE18-902</a>	Adaptation of No-Till Transplanting as an Innovative Method to Improve Cranberry Farm Sustainability	\$14,903	Jeffrey LaFleur Mayflower Cranberries, LLC
<a href="#">FNE18-904</a>	Determining Proper Feeder Space Requirements for Pasture-Raised Laying Hens and Broilers	\$9,566	Peter Lowy Codman Community Farms
<a href="#">FNE18-912</a>	Effectiveness of Mixed Perennial Groundcovers in Establishing Hazelnut Hedgerow Systems in the Northeast	\$15,000	Seva Tower Nutwood Farm
<a href="#">FNE18-913</a>	System Modifications and Varieties for Extending the Organic Strawberry Plasticulture Ripening Season in MA	\$12,303	Ryan Voiland Red Fire Farm
<a href="#">FNE18-890</a>	Developing Commercial Cordyceps Production	\$14,996	Willie Crosby Fungi Ally
<a href="#">FNE17-866</a>	Combining insecticide bait with visual traps for apple maggot control	\$8,509	Dana Clark Clark Brothers Orchard
<a href="#">FNE16-861</a>	Expanding sustainable shellfish aquaculture: Optimizing growth and survival in a bay scallop nursery system	\$14,940	Dr.Daniel Ward Ward Aquafarms, LLC
<a href="#">FNE16-847</a>	Improving yields of shiitake cultivation in the Northeast by selecting appropriate strains	\$14,976	Willie Crosby Fungi Ally
<a href="#">FNE16-852</a>	Effective use of alfalfa as a trap crop for potato leafhoppers in hops	\$14,535	Nathan L'Etoile Four Star Farms, Inc.
<a href="#">FNE16-859</a>	Pigs on pasture: An assessment of pasture health, pork quality, and ecosystem rebound after rotational grazing	\$14,752	Pete Solis Hampshire College
<a href="#">FNE15-818</a>	A performance comparison of three honeybee nucleus colony configurations in Massachusetts	\$14,987	Daniel Berry Invisible Cities Apiary
<a href="#">FNE15-825</a>	Alternative growing practices for oyster mushroom cultivation in the Northeast	\$14,095	Willie Crosby Fungi Ally
<a href="#">FNE15-827</a>	Bringing local back to kosher: A new pathway for sustainable poultry processing	\$13,475	Robert Friedman Robariah Farms

<a href="#">FNE15-835</a>	Evaluating Malting Barley Production in New England Using a Winterkill Cover Crop Cocktail Combined With Flame Weeding and No Till Planting	\$14,936	Matthew Zarif Carter & Stevens Farm
<a href="#">FNE14-805</a>	Evaluating the efficacy of multiple foliar sprays for soil health, pasture quality, and cow productivity	\$14,913	Suzanna Konecky Cricket Creek Farm
<a href="#">FNE14-792</a>	A comparison of traditional nitrogen and nutrient-dense fertilization regimes in organic potato production	\$12,058	Jeremy Barker Plotkin Simple Gifts Farm
<a href="#">FNE14-795</a>	Cultivation of gourmet mushrooms using brewer's spent grain	\$14,997	Julia Coffey Mycoterra Farm
<a href="#">FNE13-772</a>	Breeding program for novel disease-resistant cider apple cultivars	\$8,060	Jonathan Carr Carr's Ciderhouse
<a href="#">FNE13-778</a>	Martha's Vineyard fibershed project	\$6,987	Rebecca Gilbert Native Earth Teaching Farm Elizabeth Toomey
<a href="#">FNE13-790</a>	Sugar kelp and triploid oyster production to promote sustainable integrated multitrophic aquaculture	\$14,970	Dr.Daniel Ward Ward Aquafarms, LLC
<a href="#">FNE12-765</a>	Wireless greenhouse monitor and alarm	\$9,992	Benjamin Shute Hearty Roots Community Farm
<a href="#">FNE12-766</a>	Annual artemisia as a high-value crop and for weed control	\$7,168	Dwight Sipler small farm
<a href="#">FNE12-769</a>	Subtidal oyster aquaculture: Creating safe and efficient production techniques through sustainable innovations	\$13,222	Dr.Daniel Ward Ward Aquafarms, LLC
<a href="#">FNE12-748</a>	Evaluation of inexpensive wireless sensor networks for managing small vegetable farms	\$14,951	Larry Manire Databasics Dan Kaplan Brookfield Farm
<a href="#">FNE12-750</a>	Ivermectin residue in vegetable plants and compost	\$8,976	Amylynn Kemp Alpaca Obsession, LLC
<a href="#">FNE12-751</a>	Effects of controlled disturbance within early-successional northeastern forest habitat: Evaluating soil quality, plant production, and economic feasibility	\$14,976	Kathleen Kerivan Bug Hill Farm
<a href="#">FNE12-761</a>	Mas-D-Tec mastitis tool for dairy goats	\$9,950	Elizabeth Mulholland Valley View Farm
<a href="#">FNE11-728</a>	Winter Grazing in the Northeast	\$10,322	Ridge Shinn Out of the Woods Farm
<a href="#">FNE10-677</a>	Soil and Plant Properties in Cardboard Mulch Prepared No-Till Beds	\$6,107	Rachel Scherer Heritage Fields Farm

			Richard Baruc Seeds of Solidarity Farm
<a href="#">FNE10-685</a>	"Turfing" in renovation of cranberry bogs	\$12,700	Jennifer Friedrich The Edible Yard
<a href="#">FNE10-686</a>	Entrust vs. Pyganic Insecticide in Perimeter and Internal Trap Crops in Organic Winter Squash	\$5,207	Nancy Hanson Hampshire College
<a href="#">FNE09-659</a>	Perimeter and Internal Trap Cropping in Organic Winter Squash	\$4,271	Nancy Hanson Hampshire College
<a href="#">FNE08-637</a>	Perimeter and internal trap cropping in organic winter squash	\$4,846	Nancy Hanson Hampshire College
<a href="#">FNE08-642</a>	Integrating poultry and sheep on vegetable cropping land for increased economic return and enhanced fertility	\$7,807	Peter Lowy Pete and Jens Backyard Birds
<a href="#">FNE07-596</a>	Greenhouse Ginger Cultivation in the Northeast – Part II	\$8,800	Melissa Bahret Old Friends Farm
<a href="#">FNE06-564</a>	Greenhouse ginger cultivation in the Northeast	\$7,282	Melissa Bahret Old Friends Farm
<a href="#">FNE06-574</a>	Winter squash perimeter trap cropping for the organic grower	\$5,258	Nancy Hanson Hampshire College
<a href="#">FNE06-578</a>	Innovative methods of capturing solar heat for earlier harvests	\$6,963	Paul Lacinski Sidehill Farm
<a href="#">FNE06-585</a>	Proposal to study the influence of winter hive humidity on honey bee survival in western Massachusetts	\$8,455	Jonathan Parrott
<a href="#">FNE05-542</a>	Sub-tidal aquaculture of surf clams	\$9,365	John Baldwin Seafood Divers, Inc
<a href="#">FNE05-543</a>	Control of chalkbrood in honeybees with essential oils	\$6,671	Daniel Conlon Warm Colors Apiary
<a href="#">FNE05-552</a>	Cover crops for improving soil health in sweet corn	\$2,186	Peter Lowy Pete and Jens Backyard Birds
<a href="#">FNE05-560</a>	Effects of hive wrapping strategies on honey bee survival in western Massachusetts	\$4,500	Jonathan Parrott
<a href="#">FNE04-506</a>	Testing Three Methods of Introducing Russian Honeybee Queens into Italian Honeybee Packages	\$9,530	Daniel Conlon Warm Colors Apiary
<a href="#">FNE04-535</a>	Development of an Intertidal Upweller Nursery for Shellfish Aquaculture	\$5,730	Bethany Walton Sunken Treasures Shellfish Company

<a href="#">FNE03-490</a>	Performance Evaluation of Different Strains of Honeybees in the Northeast	\$1,845	M. Spensley Rickert
<a href="#">FNE03-499</a>	Sheep Pasture Improvement and Planting for Drought Resistance	\$2,522	Richard Tripp
<a href="#">FNE03-452</a>	Selecting Heirloom Tomato Varieties for Disease Resistance	\$5,150	Jeremy Barker-Plotkin
<a href="#">FNE03-463</a>	Bay Scallop Aquaculture and Market Development	\$9,224	Robert Garrison Wampanoag Aquinnah Shellfish Hatchery
<a href="#">FNE03-474</a>	Comparative Study of Weed Management Tools in Vegetables and Berries: Old and New	\$3,642	Timothy Laird MA Audubon Society, Inc
<a href="#">FNE03-480</a>	Evaluation of Liquefied Manure from the Cranberry Bog/Partitioned Aquaculture System Fish Farm Applied as a Fertilizer for Land-Based Crops	\$5,500	Brad Morse DoubleM Cranberry Company, Inc
<a href="#">FNE03-484</a>	Silvopasture in the Northeast	\$6,243	John O'Meara O'Meara Family Farm
<a href="#">FNE02-418</a>	High-Density: Container-Grown Raspberry Production	\$9,493	William Hamilton
<a href="#">FNE02-433</a>	Sustainable Practices for the Field Grown Perennial Cut Flower Grower	\$6,630	Cary Quigley
<a href="#">FNE02-443</a>	Production of Nutrient Enhanced Compost and Compost Tea Using Vermiculture Technology	\$7,905	Ed Stockman Summit Farm
<a href="#">FNE01-355</a>	Heirloom Tomato Variety Trials	\$2,600	Jeremy Barker-Plotkin
<a href="#">FNE01-372</a>	Comparison of Standard Broiler Chicken Breeds on Pasture	\$2,750	Don Franczyk
<a href="#">FNE01-386</a>	Education About Sustainable Pest Management with Hmong Farmers	\$5,100	Maria Moreira Manny's Dairy Farm
<a href="#">FNE01-387</a>	Using Hardwood Ramial Woodchips as a Time-Saving Mulch for Weed Control	\$3,908	Michael Pollitt
<a href="#">FNE01-388</a>	Low-Input Vine Crop Production	\$1,915	M. Spensley Rickert
<a href="#">FNE01-393</a>	Economic Feasibility of Growing Organic Cherry Tomatoes in High Poly tunnels for Direct Market Venues	\$1,300	Ed Stockman Summit Farm



<a href="#">FNE01-399</a>	Field Testing of Modified New Zealand Oyster Cylinders	\$6,400	Rulon Wilcox
<a href="#">FNE00-350</a>	Enhancing the growth of lavender.	\$3,839	Denise Schwartz
<a href="#">FNE00-292</a>	Biological control of tomato foliar diseases	\$1,320	Jeremy Barker-Plotkin
<a href="#">FNE00-325</a>	Multipurpose windbreaks for the protection of vegetable crops and production of fruit and nut crops.	\$3,500	Jeremy Barker-Plotkin
<a href="#">FNE00-347</a>	Marketing database for ethnic markets.	\$5,200	Shannon Rice
<a href="#">FNE99-234</a>	"Green" Greenhouse: An Affordable, Energy Efficient Greenhouse for Cold Climates	\$2,511	Colleen Caffery
<a href="#">FNE99-256</a>	Growing Cranberry Specific Parasitoids for Application on Organic Cranberry Bogs	\$2,675	Kristine Keese Cranberry Hill Farm
<a href="#">FNE99-280</a>	A Low-Cost Method of Trapping Out Apple Maggot Flies	\$1,062	Maurice Tougas
<a href="#">FNE98-215</a>	Testing-Wetness Hour Models to Predict Need for Summer Fungicide in New England	\$1,223	Thomas Clark
<a href="#">FNE97-160</a>	Echinacea Field Trials	\$1,730	Angela Baker
<a href="#">FNE97-164</a>	High Tunnel Strawberries for New England	\$2,720	Doug Coldwell
<a href="#">FNE97-174</a>	Regulation of lateral branching in Genovese Basil ( <i>Ocimum basilicum</i> ) via application of bacterial spray	\$1,152	George Kellett
<a href="#">FNE97-184</a>	Using Dogs to Control Bird Depredation of Blueberries	\$2,900	Arthur and Rudolph Valonen
<a href="#">FNE96-131</a>	High Density Planting for Weed, Disease and Pest Management in Commercial Strawberry Production	\$8,381	Clifford Hatch
<a href="#">FNE96-141</a>	The Use of Ethylene as a Chemical Pinching Agent on Floricultural Crops	\$5,000	Peter Konjoian
<a href="#">FNE96-153</a>	Commercializing State-of-the-Art Thermal Aquatic Technology for Orchard Weed, Fungi, and Insect Control	\$5,670	Timothy Smith

<a href="#">FNE95-087</a>	Organic Weed Management in Commercial Strawberry Production	\$6,215	Clifford Hatch
<a href="#">FNE95-094</a>	The Use of Ethylene as a Chemical Pinching Agent on Floricultural Crops	\$3,750	Peter Konjoian
<a href="#">FNE95-102</a>	Development of Woodlands Growing Method for New England Native Wildflowers & Medicinal Plants	\$1,850	Susan Minnich Coles Brook Farm
<a href="#">FNE94-049</a>	Demonstration of Reduced Fungicides for Control of Cranberry Fruit Rot	\$1,180	Clark Griffith
<a href="#">FNE94-070</a>	Organic "Bag Culture" of Greenhouse Peppers	\$5,000	Miranda Smith
<a href="#">FNE94-041</a>	Trough Sub-Irrigation Versus Traditional Overhead Watering	\$2,712	Stacey Chapley
<a href="#">FNE93-003</a>	Integrated Crop Management for Greenhouse Bedding Plants with Emphasis on Biological Control	\$1,199	Don Ziegler
<a href="#">FNE93-020</a>	Demonstrating a Sustainable Agricultural System by Using Beneficial Insects	\$1,306	James I. Munger

#### GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">GNE17-161</a>	Parasite mitigation strategies in bay scallop aquaculture	\$14,575	Dr.Jennifer Koop University of Massachusetts Dartmouth Harrison Tobi University of Massachusetts Dartmouth
<a href="#">GNE16-114</a>	Improving basil downy mildew control with cultural and biological methods	\$14,999	Dr.Robert Wick University of Massachusetts Amherst Kelly Allen University of Massachusetts Amherst
<a href="#">GNE15-102</a>	Dual purpose cover crops for grazing season extension, nematode management, and improved resiliency on dairy farms	\$15,000	Masoud Hashemi University of Massachusetts Amherst Sam Corcoran University of Massachusetts
<a href="#">GNE14-080</a>	Integrating no-till and forage radish cover crops for sustainable early sweet corn production	\$14,955	Masoud Hashemi University of Massachusetts Amherst Julie Fine Univ. of Massachusetts, Amherst
<a href="#">GNE14-075</a>	Physiochemical and soil biota response to biochar in agricultural soils	\$13,022	Masoud Hashemi University of Massachusetts Amherst Dr.Baoshan Xing University of Massachusetts Amherst Emily Cole University of Massachusetts Amherst
<a href="#">GNE14-078</a>	Fava beans: A new multipurpose crop for New England	\$14,995	Masoud Hashemi University of Massachusetts Amherst Fatemeh Etemadi umass

<a href="#">GNE13-058</a>	Costs and returns to New England farmers in the farm-to-institution supply chain	\$14,745	Daniel A. Lass University of Massachusetts Dr.Nathalie Lavoie University of Massachusetts, Amherst Jill Fitzsimmons University of Massachusetts Amherst
<a href="#">GNE13-061</a>	Reducing nitrate contamination of groundwater using cover crop mixtures and tailoring nitrogen fertilizer	\$14,943	Dr.Allen V. Barker University of Massachusetts Dr.Emad Jahanzad Pennsylvania State University
<a href="#">GNE13-066</a>	Management practices for production of local malting barley in Northeast	\$13,967	Masoud Hashemi University of Massachusetts Amherst Caroline Wise University of Massachusetts, Amherst
<a href="#">GNE12-040</a>	Developing a sustainable automated spring frost cycling protection method in cranberry production	\$14,223	Dr.Peter Jeranyama UMass Cranberry Station Faith Ndlovu University of Massachusetts Amherst
<a href="#">GNE12-048</a>	Community supported agriculture and the complexities of survival	\$15,000	Dr.Juliet Schor Boston College Robert Wengronowitz Boston College
<a href="#">GNE11-018</a>	Hand-held Flame Cultivation: Developing a sustainable weed control method in cranberry production	\$14,992	Dr.Hilary Sandler UMass Cranberry Station Katherine Ghantous UMass Cranberry Station

#### ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">ONE18-311</a>	Massachusetts Employee Manual Template: A Tool for Improving Employee Management on Farms	\$15,000	Margaret Christie Community Involved in Sustaining Agriculture (CISA)
<a href="#">ONE18-314</a>	Training Beginning Farmers in Crop Production Skills to Build Climate Resilience	\$15,000	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">ONE18-324</a>	The Weed Weasel Prototype: Electric Walking Tractor	\$14,480	Jan Yoder Woodmetalcanvas
<a href="#">ONE18-325</a>	Improving Ground Cover Selection and Competition Management in the Establishment of Productive Riparian Agricultural Buffers	\$14,995	Keith Zaltzberg Regenerative Design Group
<a href="#">ONE17-290</a>	Legal guidelines for on-farm labor and learning	\$15,000	Lindsay Davies New Entry Sustainable Farming Project
<a href="#">ONE17-300</a>	Evaluating the methods, effects, and economics of interplanting oyster mushrooms with vegetable crops	\$14,877	Geunhwa Jung University of Massachusetts Amherst
<a href="#">ONE16-255</a>	Building loyalty: Testing the efficacy of farmers market loyalty programs to engage the community and enhance sales	\$14,999	Margaret Christie Community Involved in Sustaining Agriculture (CISA)
<a href="#">ONE16-281c</a>	Nitrogen contribution from cover crops for vegetable crop uptake	\$11,067	Katie Campbell-Nelson University of Massachusetts

<a href="#">ONE16-261</a>	Connecting with institutional markets for World PEAS Food Hub participants	\$15,000	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">ONE16-277</a>	Grain bikes: Human-powered seed processing tools for small farms	\$13,734	Jan Yoder Woodmetalcanvas
<a href="#">ONE15-236</a>	Crop quality and food safety support for World PEAS Food Hub participants	\$15,000	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">ONE15-248</a>	Making it happen: Profitability and success	\$14,973	Dorothy Suput The Carrot Project
<a href="#">ONE15-231</a>	Evaluation of biological fungicides to control diseases of spinach in winter high tunnels	\$14,982	Katie Campbell-Nelson University of Massachusetts Susan Scheufele UMass Extension Vegetable Program
<a href="#">ONE15-233</a>	Supplying Demand: Optimizing Improvements to the Local Food Value Chain in Western Massachusetts	\$14,974	Margaret Christie Community Involved in Sustaining Agriculture (CISA)
<a href="#">ONE14-207</a>	Expanding the Beginning Farmer Network of Massachusetts	\$14,982	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">ONE14-209</a>	Coppicing for Northeastern farms: Farmer feedback and coppice system case studies	\$14,996	Dave Jacke Dynamics Ecological Design
<a href="#">ONE14-227</a>	Profitability in farm-to-institution sales in Massachusetts	\$14,891	Lisa Damon Mass. Farm to School
<a href="#">ONE13-183</a>	Pastured poultry enterprise: Profits, production, and processing support with new and diversifying small-scale farms	\$14,987	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">ONE13-193</a>	Evaluation of corn gluten meal for preemergence weed management in cranberry	\$10,578	Dr.Hilary Sandler UMass Cranberry Station
<a href="#">ONE12-159</a>	Comparative influences of hive architecture in Apis mellifera fitness.	\$14,999	Dr.James Harding Green Mountain College Valerie Hetzel Green Mountain College
<a href="#">ONE11-147</a>	Raw Milk Producers Manual	\$8,563	Winton Pitcoff NOFA/Massachusetts
<a href="#">ONE10-131</a>	Irrigation and Nutrient Management to Maximize Vegetable Yield and Minimize Pollution	\$14,986	Dr.Jed Waddell Smart Farming
<a href="#">ONE09-096</a>	Appletesters.net, A grower directed research tool for growers to access apple variety characteristics in order to better make planting decisions	\$9,999	Winfred Cowgill Rutgers University
<a href="#">ONE06-059</a>	Troubleshooting concerns associated with direct long cut vacuum grass silage	\$7,572	Sue Ellen Johnson New England Small Farm Institute

<a href="#">ONE03-001</a>	Sharing our advances: Evaluating the use of plastic mulch and trickle irrigation systems in Asian vegetable production	\$9,789	Amy Carrington New Entry Sustainable Farming Project
<a href="#">ONE03-013</a>	Impacts and comparisons of pruning and sanding on cranberry uprights and yield production	\$4,864	Dr.Hilary Sandler UMass Cranberry Station

### SUSTAINABLE COMMUNITY INNOVATION GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">CNE13-102</a>	Community INVESTED in Sustaining Agriculture: Building the Network for Investment in a Local Food System	\$15,000	Margaret Christie Community Involved in Sustaining Agriculture (CISA)
<a href="#">CNE13-105</a>	Helping farmers create group-owned farm businesses	\$14,996	Faith Gilbert The Greenhorns
<a href="#">CNE12-094</a>	Finding Common Ground to Protect Public Health: Convening Town Board of Health Officials and Local Farmers to Support Direct Marketing and Value-added Production	\$14,999	Kelly Coleman Community Involved in Sustaining Agriculture
<a href="#">CNE12-098</a>	The Farm Institute's Pilot Parcels Project	\$14,520	Jonathan Previant The Farm Institute
<a href="#">CNE12-100</a>	Community Farmland Connections through a Targeted GIS Identification and Outreach Approach	\$14,953	Jennifer Hashley New Entry Sustainable Farming Project
<a href="#">CNE11-085</a>	Improving Technical Assistance for Emerging Food-Based Businesses	\$15,000	Margaret Christie Community Involved in Sustaining Agriculture (CISA)
<a href="#">CNE11-088</a>	Many Hands Farm Corps	\$14,995	Ryan Karb Many Hands Farm Corps
<a href="#">CNE10-078</a>	Enhancing Farmer Access to Sustainable Shellfish Aquaculture Areas: An Ecosystem Approach	\$15,000	Owen Nichols Provincetown Center for Coastal Studies
<a href="#">CNE10-071</a>	Pioneer Valley Heritage Grain Project	\$14,883	Ben Lester Pioneer Valley Heritage Grains
<a href="#">CNE09-057</a>	Building a case for local agricultural infrastructure	\$24,968	Margaret Christie Community Involved in Sustaining Agriculture (CISA)
<a href="#">CNE08-039</a>	Island Grown Initiative Poultry Program on Martha's Vineyard	\$9,397	Alice Berlow Island Grown Initiative Richard Andre Island Grown Initiative
<a href="#">CNE08-041</a>	Connecting farmers and community to grow year-round sales of local agriculture products	\$9,968	Kelly Coleman Community Involved in Sustaining Agriculture
<a href="#">CNE08-042</a>	Target: Hunger farmers' markets (Springfield and North Berkshire)	\$7,457	Lori-Anne Russo The Food Bank of Western Massachusetts

<a href="#">CNE08-045</a>	Bringing us together: A project to develop and strengthen the connections to our farms	\$7,178	June House Rehoboth Agricultural Commission
<a href="#">CNE08-048</a>	Gaining Ground in Maine	\$10,000	Jim Oldham Equity Trust
<a href="#">CNE08-053</a>	Pilot Investment Project	\$10,000	Dorothy Suput The Carrot Project
<a href="#">CNE07-019</a>	Building the skills: Strengthening farm-to-school relationships, strengthening communities	\$9,861	Kelly Coleman Community Involved in Sustaining Agriculture
<a href="#">CNE07-024</a>	Growing Carver community connections	\$9,800	Jack Hunter Department of Planning and Community Development
<a href="#">CNE07-025</a>	Mattapan food system project	\$10,000	Judy Lieberman Brookwood Community Farm
<a href="#">CNE07-028</a>	The Carrot Project: Farmers' financing needs assessment	\$10,000	Dorothy Suput The Carrot Project
<a href="#">CNE06-010</a>	Building partnerships and support for a regional farm-link effort in southeastern Massachusetts	\$8,902	Sarah Kelley SE Mass. Agricultural Partnership (SEMAP)

#### PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">NEMA17-001</a>	Mentoring for Extension Educators in Integrated Crop Management	\$19,426	Katie Campbell-Nelson University of Massachusetts
<a href="#">NEMA14-001</a>	Nutrient Management Guidelines and Cover Crop Practices for Soil Health	\$56,812	Katie Campbell-Nelson University of Massachusetts

**Total funding from the USDA SARE program to  
Massachusetts  
\$7,954,327**



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).

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