



AGRICULTURE PROJECTS FUNDED IN VERMONT

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

Vermont has been awarded \$8,275,965 grants to support 242 projects, including but not limited to, 43 research and/or education projects, 18 professional development projects and 97 producer-led projects. Vermont has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinator:

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RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
LNE18-368	Potential for a Pheromone Mating Disruption Program for the Invasive Swede Midge within Complex Annual Rotational Systems	\$199,854	Dr.Yolanda Chen University of Vermont
LNE18-361	Developing Corn Silage Systems to Meet the Needs of Cover Crops	\$196,108	Dr.Heather Darby University of Vermont Extension
LNE17-355	Improving pasture resource management with farmer-engaged planning	\$91,852	Cheryl Cesario UVM Extension
LNE16-347	The "In-Between": Precooling and curing fruits and vegetables for improved quality and profit	\$129,514	Christopher Callahan University of Vermont Extension
LNE16-348	Development of pest and nutrient management strategies for hop production in the Northeast	\$161,412	Dr.Heather Darby University of Vermont Extension
LNE15-339	Developing best management practice for growing grain suitable for malt in the Northeast	\$177,442	Dr.Heather Darby University of Vermont Extension
LNE13-326	Improving profits for maple producers through tubing sanitation	\$175,726	Dr.Timothy Perkins University of Vermont
LNE12-317	Using winter canola and high-glucosinolate mustards to protect and improve soil resources and enhance on-farm profitability	\$146,890	Dr.John Jemison, Jr. University of Maine Cooperative Extension
LNE11-309	Adding Value to Oilseed Crops by Producing Food Quality Oils	\$143,131	Dr.Douglas Schaufler The Pennsylvania State University

LNE10-299	Novel approaches to improve energy efficiency in northern New England greenhouses	\$195,781	Dr.Bruce L. Parker University of Vermont
LNE09-278	Northeast SARE program evaluation, Sustainable Community Grants	\$15,000	Susan Smalley
LNE09-280	Marketing on-farm compost for sustainability and economic viability	\$43,258	Athena Bradley Northeast Recycling Council, Inc.
LNE09-282	Improving oilseed production and harvesting practices in New England: A farmer-to-Farmer exchange	\$109,306	Dr.Heather Darby University of Vermont Extension
LNE09-283	Integrated learning courses for organic and sustainable vegetable production	\$158,961	Enid Wonnacott Northeast Organic Farming Association of Vermont Dr.Wendy Sue Harper Northeast Organic Farming Association of Vermont
LNE08-267	Increasing Farm Profitability through Agritourism Product Development and Marketing	\$89,563	Dr.Lisa Chase University of Vermont Ext
LNE07-260	Burlington Food Hub: Innovative direct marketing opportunities	\$98,429	Glenn McRae Intervale Center Travis Marcotte Intervale Center
LNE07-266	Vegetable seed growing handbook	\$26,441	John Navazio SEEDS Margo Baldwin Chelsea Green Publishing
LNE07-254	Improving pasture management for horses	\$60,210	Rachel Gilker UVM Center for Sustainable Agriculture
LNE06-243	Dairy stewardship alliance: On-farm assessment for sustainable practices	\$86,157	Allen Matthews UVM Center for Sustainable Agriculture Allen Matthews Chatham University
LNE05-233	Community market project	\$94,746	Enid Wonnacott Northeast Organic Farming Association of Vermont
LNE04-200	Implementing Dairy Goat Nutrition Programs on Farms for Improved Sustainability	\$135,246	Carol Delaney, Carol Delaney University of Vermont, Northeast SARE
LNE04-205	Developing Sustainable Local Food Sales to a College Institutional Market	\$51,500	Lisa Johnson Vital Communities
LNE03-185	Pasture forage quality and yield response to irrigation, N fertilizer, and organic amendments	\$69,852	William Murphy University of Vermont
LNE03-186	Seed Growers' Handbook: Producing Vegetable Seeds for Sustainable Agriculture	\$62,925	John Navazio SEEDS
LNE03-187	Vermont Food Education Every Day	\$131,547	Abbie Nelson

	(VTFEED)		Northeast Organic Farming Association of VT
LNE03-184	Integrated learning courses for sustainable livestock production	\$123,216	Lisa McCrory Northeast Organic Farming Association of Vermont
LNE99-124	VT Forest Products Industry Conference	\$10,000	Mary Jeanne Packer VT Wood Manufacturers Association
LNE98-104	Controlling Pests of Pastured Livestock on Organic Farms	\$32,590	William Murphy University of Vermont
LNE97-087	Managed Riparian Buffer Zones and Cover Crops to Minimize Phosphorus and Nitrogen Runoff Losses from Corn Fields	\$142,448	Bill Jokela University of Vermont
LNE97-097	Documentation of Organic and Transitional Dairy Production Practices	\$43,986	Enid Wonnacott Northeast Organic Farming Association of Vermont
LNE97-086	Evaluation and Documentation of Homeopathic Nosodes in Organic and Conventional Dairy Production	\$161,026	Lisa McCrory Northeast Organic Farming Association of Vermont
LNE96-066	Evaluating a Heat Therapeutic Control of the Honey Bee Mite <i>Varroa jacobsoni</i>	\$20,000	Jeffrey T. Cunningham Honeyhunter Apiaries and Farm
LNE96-075	Northeast Kingdom Nutrient Management Project	\$18,920	David Machell Caledonia County NRCD
LNE96-079	New England Sustainable Agriculture Conference – 1997	\$36,478	Kate Duesterberg Center for Sustainable Agriculture, University of Vermont
LNE95-053	An Economic Analysis of Community Supported Agriculture Consumers	\$2,960	Jane Kolodinsky University of Vermont
ANE95-023	Development of Fungal Entomopathogens for Greenhouse IPM (LNE95-058)	\$231,931	Dr. Bruce L. Parker University of Vermont
LNE95-054	Expanding Profits for Sheep Production Through Intensive Pasture Management	\$82,427	Kate Duesterberg Center for Sustainable Agriculture, University of Vermont
LNE95-058	Development of Fungal Entomopathogens for Greenhouse IPM (ANE95-23)	\$217,763	Dr. Bruce L. Parker University of Vermont
LNE94-047	Expanding Profits for Vermont Sheep Production through Intensive Pasture Management	\$10,000	Kate Duesterberg Center for Sustainable Agriculture, University of Vermont
LNE93-039	Systems Analysis of Organic and Transitional Dairy Production	\$165,000	Enid Wonnacott Northeast Organic Farming Association of Vermont
LNE92-033	Fungal Pathogens for Biocontrol of Western Flower Thrips and Green	\$79,709	Dr. Bruce L. Parker University of Vermont

Peach Aphids in Greenhouses

LNE89-017	Improving Milk Quality and Animal Health By Efficient Pasture Management	\$58,000	J. Woodrow Pankey UVM
LNE88-002	Improving Farm Profitability by Efficiently Using the Pasture Resource	\$537,265	William Murphy University of Vermont

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ENE18-149	Developing Technical Skills of Service Providers in the Northeast to Assist Farmers with Transition to No-Till	\$171,222	Dr.Heather Darby University of Vermont Extension
ENE14-130	Professional development project in weed and forage identification and management	\$98,303	Dr.Sid Bosworth University of Vermont
ENE13-127	Breaking Barriers: Building Capacity to Provide Tractor Education	\$89,681	Beth Holtzman UVM Extension - New Farmer Project & Women's Agricultural Network
ENE08-107	Focusing on Beginning Farmers	\$71,640	Beth Holtzman UVM Extension - New Farmer Project & Women's Agricultural Network
ENE06-097	A video on sustainable tillage practices for vegetable farms	\$99,504	Dr.Vern Grubinger University of Vermont
ENE06-098	Education to extension agents, veterinarians, and other professionals in complementary treatments and preventive management for organic livestock farms	\$116,962	Lisa McCrory Northeast Organic Farming Association of Vermont
ENE05-091	Climate change and agriculture: Preparing educators to promote practical and profitable responses	\$113,106	Dr.Vern Grubinger University of Vermont
ENE04-083	A Legal Guide to the Business of Farming in Vermont	\$59,069	Debra Heleba Northeast SARE Annette Higby
ENE03-074	A video on vegetable farmers and their innovative cover crop techniques	\$62,027	Dr.Vern Grubinger University of Vermont
ENE01-059	A Professional Development Conference on Organic Agriculture	\$82,695	Dr.Vern Grubinger University of Vermont
ENE99-047	A Video on Ecological Sweet Corn Production	\$33,803	Dr.Vern Grubinger University of Vermont
ENE97-030	Video of Innovations in On-Farm Marketing in New England	\$18,233	Dr.Vern Grubinger University of Vermont
ENE97-036	A Comprehensive Training in Sustainable Agriculture	\$122,000	Dr.Vern Grubinger University of Vermont

ENE96-018	Development of Dairy Farm Management Groups in Vermont and New Hampshire	\$22,300	Louise Calderwood University of Vermont
ENE95-008	New England Extension Sustainable Agriculture Training Program	\$119,613	Kate Duesterberg Center for Sustainable Agriculture, University of Vermont
ENE95-009	A Video Training on Cultivation Featuring Talented Farmers & Their Weed Control Machines	\$14,560	Dr.Vern Grubinger University of Vermont
ENE94-005	Developing a Northeast Pasture User Support Group Network to Sustain Agriculture	\$165,796	William Murphy University of Vermont
ENE94-001	New England Extension Sustainable Agriculture Training Program	\$130,101	Kate Duesterberg Center for Sustainable Agriculture, University of Vermont

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FNE18-909	Nutritional Contribution of Forage on Pasture-Raised Pigs	\$3,163	Alessandra Rellini Agricola Farm
FNE18-895	Seakale: Commercial Opportunities for New Perennial Crops and Climate Smart Agriculture	\$14,968	Aaron Guman Walking Onion LLC
FNE18-906	Swede Midge Control for Cruciferous Crops	\$8,735	Jaiel Pulskamp KETTLE SONG FARM
FNE17-871	Establishing populations of ground-nesting native bees (Colletes) for orchard pollination services	\$6,989	John Hayden The Farm Between
FNE16-840	Comparison of a commercial Varroa mite honeybee treatment with treatment-free Varroa management techniques	\$14,998	Ross Conrad Dancing Bee Gardens
FNE16-846	Screening broccoli cultivars for Swede midge tolerance	\$8,118	Andy Jones Intervale Community Farm
FNE16-855	Testing an aerated static pile (ASP) compost system for efficiency of time and space	\$14,953	Eric Paris Kingdom View Compost
FNE16-858	An enterprise analysis of three organic strawberry production systems in northeastern Vermont	\$14,401	Eric Skovsted Joe's Brook Farm
FNE16-860	Improving the yield of cold-weather shiitake by irrigation	\$9,374	Michael Walker Philo Woodland Farm
FNE15-816	Wet rice organic weed control trials	\$13,128	Erik Andrus Boundbrook Farm

FNE15-817	Mustard cover crops as biofumigants for organic strawberry production	\$10,688	Rico Balzano Little Lake Orchard
FNE14-801	Effective use of food scraps as poultry feed	\$15,000	Tom Gilbert Winchester Farm
FNE14-812	Evaluation of apple and pear varieties for cold humid climates under certified organic management	\$14,828	Todd Parlo Walden Heights Nursery & Orchard
FNE14-793	Economics of pasture and forage in the production of geese	\$8,565	Wesley Bascom Gozzard City LLC
FNE13-781	Investigating ways to improve native pollinator floral resources by comparing multipurpose cover crops of Phacelia, buckwheat, and a commercial bee forage mix	\$5,983	John Hayden The Farm Between
FNE12-764	Coring-injection method of applying compost to Christmas tree plantations	\$13,491	Fred Salo Northeast Kingdom Christmas Trees
FNE12-770	Cost-benefit analysis of inoculating blueberry bushes with ericoid mycorrhizae	\$8,890	Ben Waterman Watermans Berry Farm
FNE11-703	From Seed to Sugar: A Vertically-Integrated Model for Small-Scale Turbinado Sugar Production from Organic GMO-Free Beets	\$10,681	Erik Andrus Boundbrook Farm
FNE11-704	Soil Nutrition and Fertility Options for Organic Hop Growers in the Northeast	\$4,417	Fletcher Bach Square Nail Hops Farm
FNE11-720	Maximizing Log Based Shiitake Mushroom Production by Determining Optimal Fruiting Conditions	\$12,143	Nicholas Laskovski Dana Forest Farm Bridgett Jamison University of Vermont
FNE10-687	Comparing Fingerling Potato Cropping Methods on No-Till Raised Beds	\$8,524	Justin Hart Whip Poor Will Farm LLC
FNE10-676	The farmer-built Savonius rotor: A low-tech approach to renewable power for farms	\$10,365	Erik Andrus Boundbrook Farm
FNE09-653	Introducing Rice as a Commercial Crop to the Northeast USA, Phase 2	\$10,000	Linda Akaogi
FNE09-654	Northeast Zone Tillage Project	\$9,897	Pail Boivin Vermont Golden Harvest Biofuels
FNE08-624	Introducing rice as a commercial crop to the northeastern U.S.	\$9,885	Linda Akaogi
FNE07-603	Building and evaluating a pedal powered prone workstation and row	\$3,974	Andrew Crawford

	crop cultivation tool		
FNE07-608	Broadcast versus in-furrow banding of fertilizer in spring wheat	\$6,264	Ted Grembowicz Grembowicz Farms
FNE07-613	A Vermont farmers breeding club: developing varieties that work for us	\$7,950	Jack Lazor Butterworks Farm
FNE07-617	Organic edible soybean variety trials in northern Vermont for soymilk and tofu production	\$9,945	Nicholas Meyer North Hardwick Dairy
FNE07-609	Sugarhouse effluent viability as a greenhouse heat source	\$5,970	Lisa Holderness
FNE07-597	Japanese millet seed harvest	\$5,682	Brent Beidler
FNE06-570	Powering a sugarhouse with used vegetable oil	\$8,917	Daniel Crocker Sidelands Sugarbush
FNE06-579	Feasibility of organic wool production in Vermont: Testing market demand	\$2,000	Kathy Lambert
FNE05-551	Mustard green seed crop production	\$4,514	Jodi Lew-Smith Sweetgrass Farm
FNE05-553	Matted row strawberries planted into weed suppressing cover crops	\$4,020	David Marchant River Berry Farm
FNE05-562	A comparison of biodegradable mulches to black plastic mulch	\$2,577	Laura Sorkin Cave Moose Farm
FNE05-563	Educational plan for alternative manure management system	\$5,752	Mary Whitcomb North Williston Cattle Company
FNE04-531	Legume Interseed in Field Corn-2004	\$6,096	Steve Stocking Birch Meadow Farm
FNE04-510	Training Center for On-Farm Milk Processing	\$10,000	Peter Dixon Westminster Dairy, LLC
FNE04-511	Agronomic and Economic Effects of Harvesting Legume Cover Crops at Varying Maturities	\$7,128	Kate Duesterberg Cedar Circle Farm
FNE04-512	Integrated Salad Green and Dairy Production	\$5,824	Ben Dykema
FNE03-453	Cost of Producing Bio-Diesel to Fuel a Greenhouse	\$4,367	Carl Benson Back Acres Farm

FNE03-466	Evaluating New, Extra-Hardy Grape Cultivars in Vermont	\$4,919	Chris Granstrom
FNE03-468	Organic Plug Production: Evaluating Growing Media, Fertilizer and Economic Feasibility	\$2,954	Brenda Hedges Greystone Gardens
FNE03-491	Early Sweet Corn From Transplants	\$7,735	Jon Satz Wood's Market Garden
FNE03-494	Legume Interseed in Field Corn	\$5,137	Steve Stocking Birch Meadow Farm
FNE02-408	Rearing Free Mated Mite-Tolerant Queens Without Chemotherapies	\$5,081	Jeffrey T. Cunningham Honeyhunter Apiaries and Farm
FNE02-409	Effect of Different Grazing Systems on Dairy Goat Productivity	\$3,635	Kristan Doolan
FNE02-410	Technical Assistance for Cheese Curing for Farmstead Cheesemakers	\$5,264	Mark Fischer Woodcock Farm
FNE02-420	Investigating the Commercial Viability of Growing Organic Black Currants in the Northeast	\$1,080	John Hayden The Farm Between
FNE02-421	Adaptation of the Cornell Net Carbohydrate and Protein System to Northeast Sheep Dairy Operations	\$5,953	Tyler Hotaling Woodcock Farm
FNE02-434	Three Sisters Farm	\$3,679	Brian Rahm Three Sisters Farm
FNE02-436	pH and Calcium Requirement in Woods-Grown Organic Goldenseal <i>Hydrastis Canadensis</i> L.	\$5,399	Steven Saint-Onge Over the Hill Farm
FNE02-448	Development of Organic Feeds and Production Techniques for Tilapia Fish Production in Ecologically Based Recirculating Aquaculture Systems	\$9,733	Eric Wells Ocean Arks International
FNE01-362	Organic Row Cropping of Threatened Medicinal Herbs for Market in the Northeast	\$3,825	Jeffery Carpenter Zack Woods Herb Farm
FNE01-368	No-Till Reduction or Elimination of Major Equipment for the Small-Scale Farmer	\$1,605	Maggie Randolph
FNE01-369	Effect of Different Grazing Systems on Dairy Goat Productivity	\$3,700	Kristan Doolan
FNE01-371	Fiberworks Blanket Project	\$5,210	Laini Fondiller Lazy Lady Farm

FNE01-389	Managed Rotational Grazing in Wetland Area	\$4,650	Hannah Sessions Blue Ledge Farm
FNE01-392	Planting Strawberries & Blueberries Into Oats & White Clover	\$3,690	Dean Stockman
FNE00-340	Northern meat breeders cooperative plan.	\$5,865	Theresa Lawyer
FNE00-353	Technical assistance for sheep dairy farms.	\$5,600	Ann Works
FNE00-303	Testing a biological fertility program for organic grains.	\$12,113	Ben Gleason Gleason Grains
FNE99-231	Using Milkhouse Waste Water for Alternative Cash Crop	\$3,750	Brent Beidler
FNE99-247	Identification of Local Ethnic Needs for Livestock	\$4,904	Jennifer Gilligan
FNE99-258	Evaluating the Effectiveness of Non-Chemical Methods in the Control of Tarnished Plant Bug in Strawberries	\$2,230	Joseph Klein Littlewood Farm
FNE99-270	Small Breeders' Meat Marketing Project	\$7,650	Lydia Ratcliff
FNE99-274	On-Farm Impacts of Soybean Silage in an Annual Rotation with Corn Silage	\$7,200	Jeff Senesac
FNE98-228	Low-Cost Conversion of Cow Dairy to Sheep Dairy	\$4,625	Neil Urie Bonnieview Farm
FNE98-217	Northeast Livestock Export Program (Phase III)	\$5,370	Lydia Ratcliff
FNE98-219	Rootwork 1998 – A Community-Based Research, Demonstration, Education and Participation Project	\$3,393	Linda Faillace
FNE97-180	Northeast Livestock Export Program (Phase II)	\$4,600	Lydia Ratcliff
FNE97-181	Development of NOFA Certified Pastured Poultry contractual Company to Diversify and Revitalize Vermont Agricultural Industry	\$5,450	Ryan Rich
FNE97-182	Education of Public in the Use of Native Woodland Plants and Wildflowers in the Home Garden	\$1,145	Chris Schlegel Grow Wild

FNE97-183	Organic Meat/Poultry Processing, Marketing, and Distribution Effort	\$3,345	Judith M. Sheehan
FNE97-185	Diversifying an Organic Grain System: Spring Wheat & Edible Bean Variety Trials...	\$6,000	Ken Van Hazinga
FNE97-188	Sorghum Syrup Production in Vermont (FNE96-157)	\$6,000	John Williamson
FNE97-173	Greenhouse Subsurface Pipe System to Convert Solar Energy to Soil Heat	\$4,475	Pete Johnson
FNE97-178	Technical Assistance for New Sheep Dairy Farms	\$7,431	Cynthia Major Major Farm
FNE96-132	Agri-Tourism: Educating the Public and Generating On-Farm Income	\$1,450	John Hayden The Farm Between
FNE96-149	Northeast Livestock Export Program	\$4,400	Lydia Ratcliff
FNE96-151	Best Method for Establishing Globe Artichoke Seedlings	\$1,060	Eric Rozendaal
FNE96-157	Sorghum Syrup Production in Vermont	\$5,875	John Williamson
FNE95-097	Minimizing Damage to Poultry During Transportation	\$3,025	Rob Litch
FNE95-114	Sorghum Syrup Production in Vermont	\$1,750	John Williamson
FNE95-086	The Value of Low Maintenance Turfgrass for Cut Flower Production	\$2,482.50	Judith Hall Frost Hill Farm
FNE95-092	Using Pastured Chickens for the Control of Colorado Potato Beetle	\$821	Joseph Klein Littlewood Farm
FNE95-095	Covercropping Strategies for the Intercropping of Clovers with Corn and Cereal Crops	\$4,348	Jack Lazor Butterworks Farm
FNE94-046	Garlic: The Natural Wormer	\$2,500	Laini Fondiller Lazy Lady Farm
FNE94-047	Comparative Rotational/Cover Cropping for Weed Suppression	\$325	Martin Gil
FNE94-051	Evaluating Hoopouses for Rotationally	\$705	John Hayden

	Grazed Turkeys		The Farm Between
FNE94-054	Biological Control of Tarnish Plant Bug in Strawberries	\$1,275	Bruce Kaufman Riverside Farm
FNE94-059	Establishment of a Production Line for Food Grade Rolled Organic Oats	\$5,200	Andrew Leinoff
FNE94-044	Don't Bag it...Compost It!!	\$2,100	Tod Delaricheliere
FNE93-022	Deep Root Organic Truck Farmers Co-op Mentor Program	\$3,300	Dennis Sauer
FNE93-023	Mountain Sheep Project	\$3,600	David Major
FNE93-029	Soil Heating in Unheated Tunnels	\$973	Michael Collins

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GNE18-170	Agricultural Best Management Practices to Mitigate Gaseous Carbon and Nitrogen Losses from a Zea Mays Silage System	\$15,000	Carol Adair University of Vermont Kyle Dittmer University of Vermont
GNE18-179	Improving the Rotational Value of Field Pea as a Legume Cover Crop.	\$15,000	Prof.Eric BishopvonWettberg University of Vermont Edward Marques University of Vermont
GNE17-157	Full-diet farming: A case study of an alternative model for community-supported agriculture	\$14,171	Amy Trubek University of Vermont Caitlin Morgan University of Vermont
GNE17-163	Linking adaptive management to climate change impacts on diversified vegetable and berry farms in northern New England	\$13,385	V. Ernesto Mendez University of Vermont Alissa White Department of Plant & Soil Science at the University of Vermont
GNE16-124	The effects of compost and vegetation on stormwater treatment and soil nutrient distribution within bioretention cells	\$3,892	Dr.Stephanie Hurley University of Vermont - Plant and Soil Science Department Dr.Joshua Faulkner University of Vermont Extension Dr.Eric Roy University of Vermont - Rubenstein School of Environment and Natural Resources Jason Kokkinos University of Vermont
GNE16-129	Quantifying the nest density of an economically important native pollinator using population genetics	\$14,758	Dr.Taylor Ricketts University of Vermont Charlie Nicholson University of Vermont

GNE16-117	Table to farm: Using shotgun metagenomics to quantify antibiotic resistance on farms feeding food scraps to laying hens	\$14,909	John Barlow University of Vermont Korin Eckstrom University of Vermont
GNE16-121	Development of an effective and economical pheromone mating disruption system for swede midge	\$14,265	Dr.Yolanda Chen University of Vermont Rebecca Hallett University of Guelph Elisabeth Hodgdon University of Vermont
GNE15-094	Bee Viruses: The Evaluation of Flowering Plants in Horizontal Transmission and Conditions Promoting Viral Replication	\$14,640	Alison Brody University of Vermont Samantha Alger University of Vermont
GNE15-097	Improvements in feed efficiency, milk yield, and components by delineating the rumen microbiome	\$15,000	Dr.Andre Brito University of New Hampshire Dr.Jana Kraft University of Vermont Laura Cersosimo University of Vermont
GNE15-098	Exploring the use of bokashi as a soil fertility amendment in Northeast vegetable production systems	\$13,062	Dr.Josef Görres University Of Vermont Dana Christel University of Vermont
GNE15-109	The Root of the Problem: Enhancing food security among Latino/a farm workers in Vermont	\$14,537	Dr.Teresa Mares Jessie Mazar University of Vermont
GNE14-087	Staphylococcus mastitis, biofilms, and antibiotic resistance: Barriers to milk quality and food safety on artisanal and farmstead cheese producing farms in Vermont	\$14,999	John Barlow University of Vermont Dr.Robert Mugabi University of Vermont
GNE14-091	Evaluating the Use of Forage Radish to Enhance Winter Rye Cover Crop Performance	\$14,998	Dr.Sid Bosworth University of Vermont Kirsten Workman UVM Extension
GNE12-045	Mitigating and preventing flood-related soil quality degradation using cover crop blends	\$14,836	Dr.Josef Görres University Of Vermont Lindsey Ruhl UVM
GNE12-033	Evaluation of flowering cover crops as an IPM tool in Northeastern hop production	\$14,154	Dr.Heather Darby University of Vermont Extension Lily Calderwood University of Vermont
GNE11-022	Evaluating the use of forage radishes as a pasture improvement tool	\$10,343	Dr.Josef Görres University Of Vermont Peter Austin University of Vermont

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
ONE18-312	Understanding Quality Standards for Cereal Rye to Help Farmers Access Value-Added Markets for Malting, Distilling, and Baking	\$14,971	Dr.Heather Darby University of Vermont Extension
ONE18-318	Practical Strategies for Reducing Ammonia Volatilization from Urine-Derived Fertilizers	\$14,938	Abraham Noe-Hays Rich Earth Institute

ONE18-323	Vermont Maple in Every School Project	\$14,998	Abbie Nelson Northeast Organic Farming Association of VT
ONE17-302	Application of regionally adapted nematodes for root maggot management	\$13,046	Scott Lewins University of Vermont
ONE17-305	A farmer collaboration initiative	\$14,994	Beth Roy Vital Communities
ONE17-293	Winter-terminated cover crop strategies for vegetable farms in northern New England	\$14,996	Dr.Heather Darby University of Vermont Extension
ONE17-299	Evaluating the perennial living mulches in a silage corn production system in the Northeast	\$15,000	Dr.Sid Bosworth University of Vermont
ONE16-288c	Vermont cover crop initiative	\$11,111	Jeffrey Sanders University of Vermont Extension
ONE16-254	Orchard pruning for cider apple production	\$14,889	Dr.Terence Bradshaw University of Vermont
ONE16-256	Vermont organic dairy custom grazing network	\$14,957	Jennifer Colby UVM Center for Sustainable Agriculture
ONE16-253	Can grazing selectivity increase fatty acid and nutritive content of annual forages grown for dairy?	\$14,999	Dr.Sid Bosworth University of Vermont
ONE16-258	Increasing the viability of heirloom dry bean production in the Northeast: Part II	\$14,925	Dr.Heather Darby University of Vermont Extension
ONE16-275	A regional, farmer-driven approach to labor issues	\$14,930	Beth Roy Vital Communities
ONE15-230	Innovative Impact Assessment of Farm and Food Innovations	\$14,999	Christopher Callahan University of Vermont Extension
ONE15-234	Increasing the viability of heirloom dry bean production in the Northeast	\$14,998	Dr.Heather Darby University of Vermont Extension
ONE15-235	Evaluating water quality benefits from soil aeration	\$14,877	Laura Dlugolecki Winooski Natural Resources Conservation District Sophie Sauvé Winooski NRCD Holly Kreiner Winooski Natural Resources Conservation Specialist
ONE15-244	Value-added products from urine: Enriched compost and stabilized liquid fertilizer	\$14,833	Kim Nace Rich Earth Institute Abraham Noe-Hays Rich Earth Institute

ONE15-228	Evaluation of tillage and manure application practices on soil quality and greenhouse gas emissions	\$12,940	Carol Adair University of Vermont
ONE14-196	Tools for grass farmers to monitor grazing behavior and forage use in real time	\$13,095	Dr.Juan Alvez UVM Extension
ONE14-199	Biological management of apple replant disease	\$14,314	Dr.Terence Bradshaw University of Vermont
ONE14-202	Aeration Tillage Effects on Hay Yield and Soil Health in Clay Soils	\$14,986	Jeffrey Carter UVM Extension Rico Balzano Little Lake Orchard
ONE14-210	Evaluating value chain facilitators	\$14,905	Executive Director Rutland Area Farm and Food Link
ONE14-218	Urine as fertilizer: Maximizing hay yield and enriching low-N composts	\$14,955	Abraham Noe-Hays Rich Earth Institute Kim Nace Rich Earth Institute
ONE14-220	Biological control of conifer root aphids in Christmas trees	\$14,995	Dr.Bruce L. Parker University of Vermont
ONE13-188	Sustainable fertilizer from reclaimed urine: A farm-scale demonstration for hay production	\$14,876	Kim Nace Rich Earth Institute Abraham Noe-Hays Rich Earth Institute
ONE13-175	Enhancing honey production with clover: Innovative methods to use white and alsike clover in Vermont hay fields	\$14,848	Dr.Sid Bosworth University of Vermont
ONE13-176	Food Storage Curriculum for Farmers and Processors	\$14,952	Christopher Callahan University of Vermont Extension
ONE13-177	Cover Crop Diversity in No-Till Systems	\$14,964	Jeffrey Carter UVM Extension Kirsten Workman UVM Extension
ONE13-180	Developing agronomic practices for flax production in the Northeast	\$14,889	Dr.Heather Darby University of Vermont Extension
ONE13-182	Vermicompost as a fast-acting nitrogen amendment to mitigate nitrogen deficiencies in organic vegetable production	\$14,588	Dr.Josef Görres University Of Vermont
ONE12-155	Raw waste milk as a pasture amendment	\$14,944	Dr.Sid Bosworth University of Vermont
ONE12-158	Mitigating fertility effects of flooding with variable rate amendment	\$14,999	Dr.Josef Görres University Of Vermont
ONE12-169	Evaluating flowering plant selection for pollinator habitat enhancement: Open-	\$14,850	Dr.Leonard Perry University of Vermont

	pollinated natives vs. native cultivars		
ONE12-154	The future of growing rice in Vermont: Managing for climate change	\$14,923	Dr.Laura Bermingham University of Vermont
ONE11-137	Underseeding Clover in Organic Wheat to Reduce Mycotoxins and Improve Grain Quality	\$14,728	Dr.Sid Bosworth University of Vermont
ONE11-139	Evaluation of organic strategies to control a new invasive pest, swede midge, Contarinia nasturtii (Diptera: Cecidomyiidae)	\$15,000	Dr.Yolanda Chen University of Vermont
ONE11-140	The Effects of Topdressing Organic Nitrogen on Hard Red Winter Wheat Yield and Quality: Part II	\$14,186	Dr.Heather Darby University of Vermont Extension
ONE11-146	Guide to Financing the Community Supported Farm	\$14,982	Mark Cannella UVM Extension Allen Matthews Chatham University
ONE11-148	Evaluation of the effects of aerators on alfalfa stands	\$14,992	Hilary Solomon PMNRCD
ONE10-123	Compost for Management of Plant Pathogens and Weed Seeds	\$15,000	Dr.Deborah Neher University of Vermont
ONE10-126	Evaluating the on-farm environmental and economic impacts of the use of aerators with liquid and semi-solid manure under various management conditions	\$14,907	Hilary Solomon PMNRCD
ONE10-114	The effects of topdressing organic nitrogen on wheat protein	\$11,540	Dr.Heather Darby University of Vermont Extension
ONE08-081	Assessing the value of oilseed meals for soil fertility and weed suppression	\$9,213	Dr.Heather Darby University of Vermont Extension
ONE08-084	Developing On-Farm Research Expertise Among Farmers in Vermont	\$9,997	Dr.Wendy Sue Harper Northeast Organic Farming Association of Vermont
ONE08-089	Eggplants as habitat plants in Poinsettias	\$9,993	Dr.Margaret Skinner University of Vermont
ONE07-070	Fenceless Grazing	\$10,000	Christopher Dutton Vermont Technical College
ONE06-052	Assessing on-farm pasture availability and forage quality for dairy feed planning	\$9,914	Dr.Sid Bosworth University of Vermont
ONE06-061	A study to determine if anthelmintic-resistant internal parasites exist in Vermont sheep flocks	\$10,000	Chet Parsons University of Vermont Extension

ONE05-039	Women's Agricultural Network Farm Visits	\$4,313	Beth Holtzman UVM Extension - New Farmer Project & Women's Agricultural Network
ONE05-036	Farm-fabricated on-farm composting equipment project: Aerating equipment	\$9,980	Tom Gilbert The Highfields Institute
ONE04-018	Integration of Forage Fenugreek into the Northeast Cropping System	\$9,634	Dr.Heather Darby University of Vermont Extension
ONE04-021	Development of Partnerships and Support for an Emerging Alternative Crop: Grapes in Northern New England	\$9,604	Lorraine Berkett University of Vermont
ONE03-005	Farmer educators for a pilot grazing demonstration project in Vermont	\$8,000	Gwyneth Harris UVM Center for Sustainable Agriculture

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
CNE13-107	On-Line Farm to Workplace System	\$14,985	Tara Kelly Rutland Area Farm and Food Link
CNE13-110	FarmRaisers: Raising funds, kids, and crops in the Upper Valley	\$14,716	Beth Roy Vital Communities
CNE12-093	The Community Market Project	\$14,369	Erin Buckwalter Northeast Organic Farming Association of Vermont
CNE11-084	Market Basket	\$8,755	Angela Berkfield Post Oil Solutions
CNE10-070	Facilitating Collaborative Farm-to-Restaurant Sales in Chittenden County, Vermont	\$9,783	Travis Marcotte Intervale Center
CNE10-074	Greater Falls Food Hub	\$15,000	Denise Mason Southeastern Vermont Community Action (SEVCA)
CNE09-065	Marketing the market: facilitating EBT usage among farmers' market customers	\$9,792	Liz Kenton UVM Extension Sarah Kleinman University of Vermont Extension
CNE09-066	Incubation, expansion and learning: The microloan fund for New England farmers	\$17,514	Dorothy Suput The Carrot Project
CNE08-049	Vermont food basket project	\$10,000	Travis Marcotte Intervale Center
CNE07-026	Bridging the gap: Connecting youth, farms and communities	\$9,994	Sara Porth University of Vermont Extension
CNE06-006	Rutland Area Farm and Food Link –	\$9,900	India Burnett Farmer

community farm and agricultural
resource center

CNE06-007	South Hero Land Trust Farm Initiative	\$6,697	Chris Gordon South Hero Land Trust
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PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
NEVT17-001	Enhancing Evaluation Capacity to Improve Sustainable Agriculture Programs and Outcomes in Vermont	\$46,111	Beth Holtzman UVM Extension - New Farmer Project & Women's Agricultural Network
NEVT14-001	Social Sustainability on the Farm: Focus on Resilience	\$134,999	Debra Heleba Northeast SARE

**Total funding from the USDA SARE program to
Vermont
\$8,275,965**



For further information on projects, contact Deb Heleba, Northeast SARE communications specialist, at 802-651-8335, ext 552 or debra.heleba@uvm.edu.

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