

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 \$389 million to more than 8,542 initiatives.

SARE is grassroots with far-reaching impact

Four regional councils of expert practitioners set priorities and make grants in every state and island protectorate.

SARE communicates results

SARE shares project results by requiring grantees to conduct outreach and grower engagement; and by maintaining an online library of practical publications, grantee-produced information products and other educational materials.



www.sare.org

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

New York

Project Highlight: *To Improve the Soil, First to Know the Soil*

The importance of soil health cannot be overstated. It supports vigorous plant growth by promoting the efficient use of nutrients and water, protecting against erosion and compaction, and aiding in disease and pest management. Soil health drives farm productivity and resilience against weather extremes. But the soil is an incredibly complex environment, and for farmers to improve their ground, they first need to learn about its condition.

That is why, with SARE funding, a multidisciplinary team from Cornell University created a new kind of soil assessment. Traditional soil tests, which are also important management tools, are typically limited to measuring nutrient levels and pH. They do not reveal anything about the physical structure or microbial life present in the soil, yet such characteristics strongly influence crop yields as well as the efficiency of inputs such as water and fertilizer. In contrast, Cornell's soil health assessment reports typically include management recommendations to address specifically identified constraints and promote soil-building practices such as cover cropping, reduced tillage, the use of compost or manure, and diversified rotations that include perennial crops.

The Cornell lab handles about 2,000 samples a year and is expanding in use.

For more information, see sare.org/projects, and search for project numbers [LNE03-175](#), [LNE06-235](#) and [ENE09-110](#).

SARE in New York

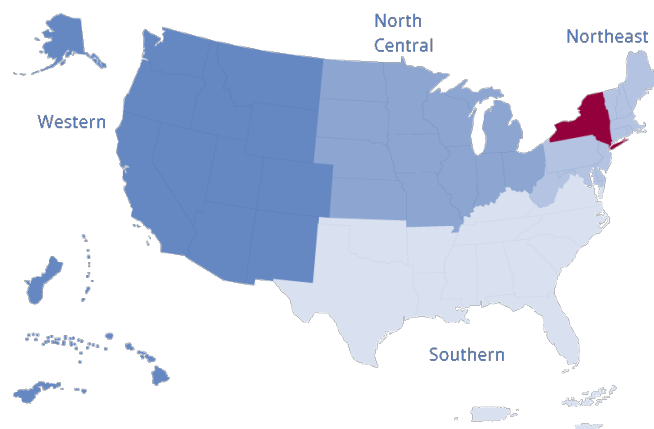
northeast.sare.org/sare-in-your-state/new-york

\$22,739,040
in total funding

608 grant projects

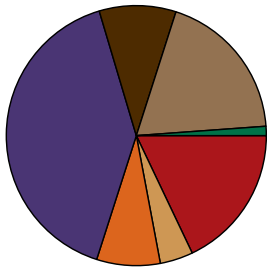
(since 1988)

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



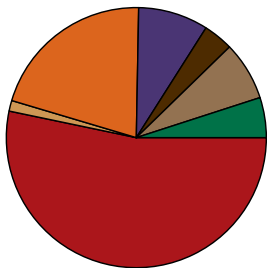
SARE Grants in New York

Total awards: 608 grants



109 Research and Education
 25 Sustainable Community Innovation
 48 Professional Development Program
 246 Farmer/Rancher
 58 Graduate Student
 115 On Farm Research/Partnership
 7 Research Only

Total funding: \$22,739,040



\$12,115,581 Research and Education
 \$301,538 Sustainable Community Innovation
 \$4,703,236 Professional Development Program
 \$1,981,668 Farmer/Rancher
 \$844,681 Graduate Student
 \$1,659,723 On Farm Research/Partnership
 \$1,132,614 Research Only

Find a complete list of projects on page 3.

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/new-york to learn more.

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SARE is funded by the USDA's National Institute of Food and Agriculture (NIFA).

This report includes summaries of competitive grant programs only. Some competitive grant programs that are no longer offered may be included or excluded from the totals in this report depending on the grant program and SARE region.

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/new-york

For detailed information on SARE projects, go to www.SARE.org



AGRICULTURE PROJECTS FUNDED IN NEW YORK

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

New York has been awarded \$22,739,040 grants to support 604 projects, including but not limited to, 105 research and/or education projects, 48 professional development projects and 246 producer-led projects. New York has also received additional SARE support through multi-state projects.

RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
LNE23-470	Elevating Weed Seedbank Management with Tailored Recommendations and New Tactics	\$249,977	Dr. Bryan Brown Cornell University
LNE23-466	Building Community Capacity to Increase Agroforestry Tree Planting through Participatory Listening Sessions, Training, and Peer-to-Peer Networks	\$248,180	Steve and Elizabeth Gabriel Wellspring Forest Farm LLC
LNE22-446	Increasing Capacity to Produce High-Quality, Regionally Adapted Seed to Enhance Northeast Biosecurity and Diversify Markets for Vegetable Growers	\$149,749	Crystal Stewart-Courtens Cornell Cooperative Extension
LNE22-435	Optimizing the Economic Return of Pasture-Raised Slow-growth and Conventional Broilers	\$175,000	Amy Barkley Cornell University
LNE22-444	Regenerative Organic Dry Bean Production in the Northeast	\$250,000	Dr. Matthew Ryan Cornell University
LNE22-440	Immigrant Urban Farmer's Project	\$249,999	Brittany O'Neill International Rescue Committee
LNE21-415	Building and Strengthening Social and Economic Sustainability Among New York State Black Farmers	\$247,998	Allison DeHonney Buffalo Go Green Inc.
LNE21-421	Sustainable Pest Management for New York Urban Farmers	\$136,585	Judson Reid Cornell Vegetable Program
LNE20-396	Grain Storage Management Education for the Hudson Valley	\$34,258	Aaron Gabriel Cornell Cooperative Extension-Albany County
LNE19-382	Tarping to Advance Reduced Tillage Systems on Small-Scale Vegetable Farms	\$199,962	Dr. Anusuya Rangarajan Cornell University
LNE19-383	Biological Control of Corn Rootworm in Conventional and Organic Corn Production	\$199,199	Elson Shields Cornell University
LNE19-372	Identification and Remediation of Compaction on Northeast Pasture Soils	\$95,906	A. Fay Benson Cornell Co-op Extension

LNE17-360	Under Vine Cover Crops to Reduce Herbicide Use and Management Costs in New York State Vineyards	\$87,983	Dr. Justine Vanden Heuvel Cornell University
LNE17-357	Farmer-generated training and equipment solutions for producing and processing value-added grains	\$76,019	Elizabeth Dyck Organic Growers' Research and Information-Sharing Network
LNE16-345	Supporting the grass-fed milk market in the Northeast with education and benchmarks	\$106,233	A. Fay Benson Cornell Co-op Extension
LNE16-351	Developing perennial grain cropping systems and market opportunities in the Northeast	\$184,998	Dr. Matthew Ryan Cornell University
LNE16-353	Improving profitability of garlic production through understanding and management of Fusarium diseases	\$128,200	Crystal Stewart-Courtens Cornell Cooperative Extension
LNE14-332	Winter triticale or rye as a double crop to protect the environment and increase yield	\$143,822	Dr. Quirine Ketterings Cornell University
LNE14-335	Integrated Phytophthora blight management in vegetable crops with enhanced soil health from cover crops, reduced tillage, and brassica biofumigation	\$156,119	Christian Malsatzki Cornell Cooperative Extension of Ulster County
LNE13-327	Copper oxide wire particles to control H. contortus on sheep and goat farms with a range of grazing practices	\$46,552	Dr. Michael Thonney Cornell University
LNE13-328	New technologies for improving sustainability of corn N management	\$219,972	Aaron Ristow American Farmland Trust
LNE12-318	Farm-based selection and seed production of varieties of bread wheat, spelt, emmer, and einkorn adapted to organic systems in the Northeast	\$196,743	Dr. Mark Sorrells Cornell University
LNE12-319	Development of disease management, fertility, and weed control best practices for northeast garlic production	\$50,853	Crystal Stewart-Courtens Cornell Cooperative Extension
LNE12-322	Innovative undertrellis management for vineyards	\$146,243	Alice Wise Cornell Cooperative Extension of Suffolk County
LNE11-307	Potassium and sulfur management of alfalfa; Farmer-driven testing of management methods	\$119,984	Dr. Quirine Ketterings Cornell University
LNE11-308	Precision feed management for improved profitability and environmental stewardship in Yates County NY	\$69,672	Dr. Gerald Bertoldo Cornell University Extension
LNE10-292	Improving the yield and quality of sweet potatoes grown in New York	\$32,666	Charles Bornt Cornell Cooperative Extension Capital District Vegetable & Small Fruit Program
LNE10-296	Identification, assessment and management of soil-borne plant pathogens in vegetable production systems in the Northeast	\$124,851	Beth Gugino The Pennsylvania State University

LNE10-298	Cultivation of shiitake mushrooms as an agroforestry crop for New England	\$116,706	Dr.Kenneth Mudge Cornell University Bridgett Jamison University of Vermont
LNE10-301	Reducing climatic and disease risks through minimum tillage systems for vegetables	\$179,000	Dr.Anusuya Rangarajan Cornell University
LNE10-302	Sustainable pest management in high tunnel winter greens production	\$79,668	Judson Reid Cornell Vegetable Program
LNE10-304	Identifying helpful management practices to reduce labor, expenses, and stress during lambing and kidding	\$35,839	Dr.tatiana Stanton Cornell University Dept. of Anim. Sci. Dr.Michael Thonney Cornell University
LNE09-289	Using canopy management to reduce fungicide use and improve fruit composition in white wine grapes	\$178,311	Dr.Justine Vanden Heuvel Cornell University
LNE09-290	Extension on demand for new livestock producers in Sullivan County	\$51,164	Daniel Shockey Cornell Cooperative Extension Sullivan County Patricia Westenbroek Cornell Cooperative Extension Sullivan County
LNE08-271	Use of Whole Farm Analysis to Reduce Nutrient Losses, Improve Nutrient Cycling, Carbon Status and Energy Use on Small Dairies in New York State	\$157,822	Patricia Ristow Cornell University Dr.Quirine Ketterings Cornell University
LNE08-272	Increasing quality, diversity and seed availability of potato varieties for small-scale farms	\$176,434	Michael Glos Cornell University Elizabeth Dyck Organic Growers' Research and Information-Sharing Network Dr.Keith Perry Cornell University
LNE07-252	Learning from farmer innovation in nitrogen fixation for improved nutrient management on organic farms	\$99,108	Julie Grossman Cornell University Laurie Drinkwater Cornell University
LNE07-262	Natural pest management in New York high tunnel and greenhouse vegetables	\$108,905	Judson Reid Cornell Vegetable Program
LNE07-263	Developing farmers' skills and confidence in the use of Trichogramma ostriniae for European corn borer control in sweet corn, peppers and potatoes	\$162,372	Abby Seaman NYS IPM Program - Cornell
LNE06-235	Soil health assessment for sustainable land use and profitable crop production in the Northeastern USA	\$249,203	George Abawi Cornell University, NYSAES
LNE06-245	Optimizing reduced tillage for root, leafy, and organic vegetables grown in the Northeast	\$164,628	Dr.Anusuya Rangarajan Cornell University
LNE06-246	Increasing maple producer sales and incomes with quality value-added products	\$63,800	Peter Smallidge Cornell University Stephen Childs Cornell University
LNE05-214	Reestablishing the use of buckwheat as a precise weed control tool	\$103,235	Dr.Thomas Bjorkman Cornell University

LNE05-215	Alternative continuous cover forages II	\$37,936	Paul Cerosaletti Cornell University Cooperative Extension
LNE05-230	Increasing viability of meat goat farms	\$49,284	Dr.Michael Thonney Cornell University
LNE05-231	Increased profits for sustainably produced garlic	\$65,000	Dr.Gayle Volk USDA-ARS-NCGRP Gayle Volk USDA-ARS-NCGRP
LNE04-204	Collaborative Breeding for and in Organic Systems	\$187,688	Molly Jahn Cornell University
LNE03-175	Soil Health Assessment, Management, and Training: Vegetable Production Systems	\$209,841	George Abawi Cornell University, NYSAES
LNE03-182	Determining the commercial viability of an exclusionary production system using disease-resistant columnar apple and sweet cherry cultivars	\$137,169	Peter Jentsch Poma Tech Inc.
LNE03-189	Optimizing reduced tillage systems for vegetables grown in the upper Northeast	\$150,000	Dr.Anusuya Rangarajan Cornell University
LNE03-194	Beach plum: A new crop for new markets	\$75,000	Dr.Thomas Whitlow Cornell University
LS03-184	A Fresh Look at Systems Research: Developing a Contemporary SSARE Systems Research Handbook	\$50,000	Laurie Drinkwater Cornell University
LNE02-155	Portable Cheese Making Training Module	\$79,000	Rick Bishop Sullivan County Division of Planning
LNE02-156	Local Food System Development - Distribution	\$32,650	Marcie Gardner Community Agriculture of Columbia County
LNE02-162	Sustainable Development of Ribes, Aronia - Elderberry as Commerical Crops in the Northeast	\$164,882	Steven McKay Cornell Cooperative Extension of Columbia County
LNE02-168	Compensated Recovery of Surplus Produce from Local Farms by Food Banks	\$100,000	Terry Spittler Cornell University
LNE02-170	Finger Lakes Grazing Advocacy Program	\$128,910	Richard Winnett USDA NRCS
LNE02-171	Evaluating the Potential of Open-Pollinated Field Corn for Growers in the Northeast	\$119,466	Margaret Smith Dept. Plant Breeding & Genetics, Cornell Univ.
LNE02-172	Regional Development of Small-Scale Food Processors	\$31,134	Alison Clarke NYSSFPA
LNE02-173	Reducing Phosphorus Fertilizer Inputs for Field Corn Production	\$118,485	Dr.Quirine Ketterings Cornell University
LNE01-147	Establishing Cover Crops at Time of Corn Planting: Determining Soil - Water Quality Benefits	\$94,790	Paul Salon USDA-NRCS

LNE01-148	Enhancing Meat Goat Production through Controlled Woodland Browsing	\$120,060	Peter Smallidge Cornell University
LNE01-151	Vermont Dairy Farm Sustainability Project, Inc.	\$96,800	Greg Weber Bill Jokela University of Vermont
LNE01-153	Beach Plum: Small Farm Sustainability through Crop Diversification - Value-Added Products	\$142,910	Dr.Thomas Whitlow Cornell University
LNE01-154	Farm Ecosystem - Management Factors Contributing to Pest Suppression on Organic - Conventional Farms-phase II	\$110,517	Abby Seaman NYS IPM Program - Cornell
LNE00-130	Integrating Natural Products - Genetic Resources for Control of Varroa Jacobsoni, a Parasitic Mite of the Honey Bee	\$82,412	Nicholas Calderone Cornell University
LNE00-133	Core Values Northeast; An Eco-Label Grows, Project Evaluation and Expansion	\$40,000	Betsy Lydon Mothers & Others for a Livable Planet
LNE99-115	Retention of High Levels of Crop Residue on Soil Surface During Tillage	\$98,518	Dr.Charles Mohler Cornell University
LNE99-116	Farm Ecosystem & Management Factors Contributing to Pest Suppression on Organic - Conventional Vegetable Farms	\$221,034	Abby Seaman NYS IPM Program - Cornell
LNE99-117	Closing the Phosphorus Cycle on Vegetable Farms: Releasing Soil-Bound Phosphorus to Support Springtime Seedling Growth	\$54,148	Dr.Thomas Bjorkman Cornell University
LNE99-120	Small-Scale Food Processing Association	\$58,942	Alison Clarke NYSSFPA
LNE99-121	Whole-farm Entrepreneurship: Farmer to Farmer Education for Vegetable - Livestock Producers	\$19,625	Tracy Frisch Regional Farm & Food Project
LNE99-125	Composting as a Component of Sustainable Agriculture: Developing - Delivering Composting Information at a Critical Time	\$84,513	Ellen Harrison Cornell Waste Management Institute
LNE99-126	Comprehensive Nutrient Management on Small Farms: Determining Obstacles &- Implications for Extension Education Activities	\$18,243	Dr.Quirine Ketterings Cornell University
LNE99-127	Evaluating CORE Values Northeast: Determining the Environmental, Economic and Social Benefits of an IPM Apple Consumer Education and Market Development Project	\$25,000	Francine Stephens Mothers & Others for a Livable Planet
LNE98-098	Adaptive Nitrogen Management in Orchards: Developing Soil - Ground Cover Management Systems that Optimize Nitrogen Uptake, Retention - Recycling	\$153,505	Ian Merwin Cornell University
LNE98-101	CORE Values Northeast: A Northeast IPM-Apple Consumer Education &- Marketing Development Project	\$45,000	Wendy Gordon Mothers and Others

LNE98-102	Sustainable Integrated Management of Weeds - Diseases in Cabbage Cropping Systems	\$140,000	Helene Dillard Cornell University
LNE98-110	Development of a Knowledge Base for Site-Specific Application of Crop Nutrients	\$109,968	Harold Van Es Cornell University, Dept of Soils and Crops
LNE97-080	A Strawberry IPM Systems Comparison Demonstration	\$116,586	Gregory Loeb Cornell University
LNE97-088	CORE VALUES Northeast: A Northeast IPM - Apple Consumer Education and Market Development Project	\$20,000	Betsy Lydon Mothers & Others for a Livable Planet
LNE97-089	Farmer-Centered, Value-Added Processing and Marketing Opportunities for Northeast Dairy Farmers: A Participatory Research and Development Project	\$53,000	Tracy Frisch Regional Farm & Food Project
LNE97-091	Demonstration of Narrow Row Corn Production in New York	\$70,346	William J. Cox Cornell University
LNE97-094	Ethnic Markets and Sustainable Agriculture	\$99,961	Kathy Lawrence Just Food, NYC Sustainable Food System Alliance
LNE97-096	Eastern Gamagrass Determining its Feasibility as a Forage Crop for the Northeast	\$108,252	Paul Salon USDA-NRCS
LNE96-067	Demonstrations of Sustainable Vegetable Pest - Crop Management: Fresh Market Sweet Corn	\$164,356	Curt Petzoldt NYS/CU IPM
LNE95-029	Gray Mold Control in Commercial Tomato Greenhouse Production Systems Using a Registered Biological Pesticide	\$31,601	Helene Dillard Cornell University
LNE95-060	Commercial Small-Scale Food Processing in New York: Value-Adding For Sustainable Agriculture	\$63,881	Gilbert Gillespie Cornell Univ., Dept of Rural Sociology, Farming Alt. Program
ANE95-022	Developing Sustainable Management Tactics for Cucumber Beetles in Cucurbits	\$135,832	Michael Hoffman Cornell University
LNE94-040	Integrating New Cultivation Technology and Photocontrol of Weeds to Reduce Herbicide Use in Vegetables	\$91,546	Robin R. Bellinder Cornell University, Dept. of Fruit and Vegetable Science
LNE94-042	Optimizing Use of Grass on Dairy Farms for Environmental/Economic Sustainability	\$118,024	Jerome H. Cherney Dept of Soil, Crop, and Atmospheric Science, Cornell University
LNE94-043	Promoting Agricultural Sustainability through the Use of Rhizosphere-Competent Fungi as an Alternative to Soil Fungicide	\$123,801	Dr.Thomas Bjorkman Cornell University
LNE94-044	Management Strategies for Improved Soil Quality with Emphasis on Soil Compaction	\$130,000	David W. Wolfe Cornell University, Dept of Fruit & Vegetable Science
LNE94-045	Increasing the Sustainability of Dairy Farms by Improving Persistence of White Clover in Pastures	\$12,584	Gary Fick Department of Soil, Crop and Atmospheric Science, Cornell University

LNE94-051	Development of Sustainable Cropping Systems for New York Cash Crop Producers	\$100,789	William J. Cox Cornell University
LNE93-034	An Integrated Extension/Research Program for Replacing Herbicides with Mechanical Cultivation in New York State	\$103,235	Jane Mt. Pleasant Cornell University
LNE91-025	Improving Crop Adaptation to Alternative Systems	\$60,000	T. C. Barker Cornell University
LNE91-025.2	Improving Crop Adaptation to Alternative Systems	\$60,000	T. C. Barker Cornell University
LNE90-020	Whole-farm Impact of Converting Conventionally Managed Eastern Vineyards to Organic Management Practices	\$251,987	Chris Becker Cornell University
LNE89-014	Northeastern Organic and Sustainable Farmer Network: Manual of Current Practices, Extension Training and Field Days	\$115,000	Judith J. Green Cornell University, Department of Rural Sociology, Farming Alternatives Program
LNE89-019	Reduced Tillage: Alternative Cropping Systems for Vegetable Production in the Northeast	\$47,300	Robin R. Bellinder Cornell University, Dept. of Fruit and Vegetable Science
LNE88-004	Accelerating the Adoption of Low-input Sustainable Systems for Field Crops	\$56,000	John Deibel Western New York Crop Management Association Cooperative, Inc.
LNE88-006	Northeastern Dairy Farm Forage Demonstration Project	\$85,000	Joan Sinclair Petzen Cornell Cooperative Extension
LNE88-009	Alternative Cropping Systems for Low-input Agriculture in the Northeast	\$311,152	Jane Mt. Pleasant Cornell University
LNE88-010	Development, Evaluation and Implementation of Low-input Systems for Eastern Vineyards	\$79,000	David M. Gadoury Cornell University

RESEARCH ONLY GRANTS

Project #	Project Title	SARE Support	Project Leaders
LNE23-472R	Determining if Beneficial Fungi Increase Tree Growth and Reduce the Need for Fertilization and Irrigation of Newly Planted Apple Trees.	\$194,378	Michael Basedow Cornell University Cooperative Extension
LNE22-452R	The Use of Biochar in Agroforestry to Promote Soil Microbial Health, Tree Productivity, and Carbon Sequestration	\$154,586	David Newman Arthur's Point Farm
LNE21-429R	Creating a Black Farmer Commons in Transferring Land Ownership	\$198,214	Norma Gonzalez Corbin Hill Food Project
LNE20-409R	Anaerobic Soil Disinfestation as Pre-plant Treatment for Perennial Strawberry in the Northeast	\$184,617	Laura McDermott Cornell University Cooperative Extension
LNE19-384R	Impact of Biochar on Moisture and Nutrient Retention in Long Island Nurseries	\$83,949	Dr. Deborah Aller Cornell Cooperative Extension of Suffolk County

LNE19-385R	Sustainable Management of Fire Blight in Apples using Plant Growth Regulators and Plant Defense Activators	\$118,125	Kerik Cox Cornell University
LNE19-388R	Control of Cucumber Downy Mildew through Nighttime Application of Ultraviolet Light Before and After Infection	\$198,745	Dr.Mark Rea Light and Health Research Center, Icahn School of Medicine at Mount Sinai

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE Support	Project Leaders
ENE23-179	Using "Tag-Team Training" to Foster Education Program Sustainability Among Organizations Teaching Risk Management for Northeastern Farmers	\$123,249	Myron Thurston III Cornell Cooperative Extension of Oneida County
ENE23-188	Implementation of Improved Nutrient Requirement and Supply Predictions to Reduce the Environmental Impact of Dairy Production in the Northeast US	\$150,000	Dr.Mike Van Amburgh Cornell University
ENE22-175	Northeast Pollinator Partnership - a program to educate agricultural service providers about the biology, importance and conservation of wild bees	\$150,203	Bryan Danforth Cornell University
ENE21-170	Agri-Cluster Retention and Expansion (ACRE) Program: Training Service Providers in Strategic Business Planning for Complex Value Chain Enterprises	\$143,883	Duncan Hilchey Center for Transformative Action/Thomas A. Lyson Center for Civic Agriculture and Food Systems
ENE21-173	Growing Tribal Farming Capacity and Outreach	\$142,007	Lea Zeise United South and Eastern Tribes
ENE19-156	Spawning a Network of Northeast Mushroom Educators serving Urban and Rural Farmer Audiences	\$144,938	Yolanda Gonzalez Cornell University
ENE18-150	Reversing a Downward Trend in Customer Participation and Farmer Sales at Farmers' Markets	\$145,242	Diane Eggert Farmers Market Federation of NY
ENE18-152	Farmland Advisors New Jersey: A Training Program for Professionals Working with Farmers to Access and Transfer Farmland	\$74,133	David Haight American Farmland Trust
ENE18-153	From Classroom to the Field: Advanced Soil Health Training for New York Agricultural Service Providers	\$145,305	Aaron Ristow American Farmland Trust
ENE17-148	Improving Whole Farm Planning Education in the Northeast	\$149,945	sarah williford University of New Hampshire Extension
ENE16-143	Whole farm nutrient mass balances for outcome-based adaptive management of nutrients on dairy farms	\$74,998	Dr.Quirine Ketterings Cornell University
ENE15-135	Research and Problem-Solving on the Farm	\$90,268	Laurie Drinkwater Cornell University
ENE15-138	Farm-to-Institution Market Readiness Training Program	\$87,219	Glenda Neff American Farmland Trust

ENE14-133	Integrated pest management for greenhouse vegetable producers	\$154,711	Dr.Elizabeth Lamb New York Integrated Pest Management, Cornell University
ENE13-129	Building Vibrant Support Organizations for Beginning Farmers in the Northeast	\$127,487	Dr.Anusuya Rangarajan Cornell University
ENE12-122	An Educational Program for Traditional and Non-Traditional Beef Production	\$64,396	Dr.John Comerford Penn state University
ENE12-123	Transferring Farms and Improving Access to Farmland: A Training Program for Northeast Agricultural Service Providers	\$126,955	Greg Plotkin American Farmland Trust David Haight American Farmland Trust
ENE11-118	Marketing for Profit: Tools for Success	\$106,847	Diane Eggert Farmers Market Federation of NY
ENE11-120	Soil Management in Berry Crops as a Model for Management Education	\$78,534	Dr.Marvin Pritts Cornell University
ENE10-115	Utilizing holistic planned grazing as a regenerative engine for sustainable agriculture	\$158,675	Troy Bishopp Central NY RC&D Project, Inc.
ENE09-110	Filling soil health prescriptions with targeted cover crops	\$98,158	Dr.Thomas Bjorkman Cornell University
ENE09-112	Greater impact of advisor-farmer interactions through improved tools for whole-farm evaluation	\$53,847	Dr.Quirine Ketterings Cornell University
ENE07-102	Training for agricultural service providers in the diagnosis, visual assessment, and management of plant-parasitic nematodes	\$116,115	George Abawi Cornell University, NYSAES Beth Gugino The Pennsylvania State University
ENE07-103	Carbon Trading Provides New Market Opportunities for Agriculture	\$112,927	Robert Aman Central New Your Resource Conservation and Development Project, Inc. (CNY RC&D)
ENE06-095	Fostering Sustainability for Farmers' Markets Through Professional Market Management Training	\$111,801	Diane Eggert Farmers Market Federation of NY
ENE06-099	Ecologically based weed management: A manual and training program for farm advisors	\$129,670	Dr.Charles Mohler Cornell University
ENE06-101	Tactical Agriculture (TAg) Train the Trainer Workshop	\$24,225	Julie Dennis (formerly Stavisky) Cornell University/NYS IPM Kenneth Wise NYS IPM/Cornell U.
ENE05-094	Building professional capacity to enhance farm-to-school marketing and distribution networks	\$110,487	Jennifer Wilkins Nutritional Sciences, Cornell University
ENE04-082	Innovative Farmers Educate Agency Personnel about Managing High Tunnels	\$76,830	Billie Best Regional Farm & Food Project
ENE04-085	The How, When and Why of Forest Farming: Building and Using New Internet Based Infrastructure to Advance Learning and Practice in the Northeast	\$111,613	Dr.Kenneth Mudge Cornell University

ENE04-086	In-Depth Organic Training for Agricultural Professionals	\$120,000	Dr.Anusuya Rangarajan Cornell University Dr.Vern Grubinger University of Vermont
ENE03-075	Composting as an alternative for mortalities and meat residuals from farms and butcher operations	\$119,179	Ellen Harrison Cornell Waste Management Institute
ENE03-081	Whole-Farm Planning and Holistic Management - Phase II	\$87,000	Phillip Metzger USDA Natural Resources Conservation Service
ENE02-069	Community Agriculture and Food Systems Development Certification Program	\$120,197	Thomas Lyson Department of Rural Sociology
ENE01-061	Whole Farm Planning - Holistic Management	\$143,500	Phillip Metzger USDA Natural Resources Conservation Service
ENE00-054	Training Agricultural Professionals to Meet the Needs of Northeast Small Farmers	\$95,604	David Smith Cornell University
ENE00-057	Agroforestry - Forest Management: Sustaining Small Farms - Creating Learning Communities in the Northeast	\$128,742	Louise Buck Department of Natural Resources Marianne Krasny Cornell University
ENE99-049	Garden Mosaics	\$116,635	Gretchen Ferenz Cornell Cooperative Extension--NYC Marianne Krasny Cornell University
ENE99-050	Community Capacity Building to Collaboratively Mitigate - Manage Community Agricultural & Environmental Conflicts	\$58,508	David Kay Cornell University
ENE98-041	Increasing Producer Adoption of Pasture as Part of a Whole Farm System	\$30,393	Edward Harwood Cornell University Cooperative Extension
ENE97-028	Developing and Publishing Sustainable Farming Resources for Agricultural Extension Professionals and Field Crop Producers	\$42,314	Philip L. Sutton NY State IPM Program James R. VanKirk Cornell University, NYSAES
ENE97-032	The Farmer's Relevant Voice: A Farmer-Produced Educational Program for Watershed Coordinators	\$50,016	Barbara Bellows Cornell University
ENE96-015	Farmer-to-Farmer Learning Groups-Curriculum for Establishment and Facilitation	\$24,095	Kathy Barrett Cornell Cooperative Extension of Cayuga County
ENE96-020	Holistic Resource Management: Eastern NY Pilot Project	\$10,510	Tracy Frisch Regional Farm & Food Project
ENE95-006	Addressing the Needs of Extension Faculty - Staff Through a New York State Cover Crop Symposium	\$5,700	Stephen Reiners Cornell University
ENE95-012	Sustainable Agriculture in Northeast Communities: New Roles, New Skills for Agricultural Educators	\$121,732	Thomas Lyson Department of Rural Sociology
ENE95-013	Whole-farm / Whole-Watershed Planning for Sustainable Agriculture	\$13,500	William Zweigbaum First Pioneer Farm Credit

ENE94-003	Sustainable Agriculture Inservice Education: Managing Resources for the Future	\$30,943	Jane Mt. Pleasant Cornell University
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FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
FNE23-040	Outreach Programs for Chinese Community to Access Culturally Relevant Foods Through Local CSA Models	\$15,322	Christina Chan Choy Division
FNE23-068	Clean, Consistent Carrot Plantings: Seeding into Compost Strips for Reliable Germination and In-Row Weed Control in Organic Carrot Production	\$19,426	Benjamin Shute Hearty Roots Community Farm
FNE23-043	Mobile Seed Processing Trailer	\$27,837	Jean-Paul Courtens Philia Farm
FNE23-057	Carbon Sequestration in Glacial Sand Soils in Haying, Cropping, and Soil Building Practices	\$27,843	Ian Magnus Pitney Meadows Community Farm
FNE23-034	Open Source Orchard	\$30,000	Josh Bailey KC Bailey Orchards, Inc
FNE23-041	Deaf New American Farm	\$30,000	Monu Chhetri Deaf New American Advocacy Inc
FNE23-065	Assessing the Socioeconomic and Environmental Impact of a Multi- Farm CSA for Urban Growers and City Residents in Buffalo, NY	\$29,853	Mayda Pozantides Groundwork Market Garden
FNE22-001	Comparison of Farm-produced and Commercial Microorganism Inoculants: Cost, Nutrients, and Biological Constituents	\$11,852	Matt Bedeaux Unadilla Community Farm Education Center, Inc. Ben Tyler Unadilla Community Farm Education Center Inc.
FNE22-006	An Illustrated Guide to Value Adding: Rules, Regulations & Good Ideas	\$14,950	Nichole Carangelo Letterbox Farm
FNE22-024	Solving the Agroforestry Cash Flow Gap: Intercropping Short Term Cash Crops During Tree Crop Establishment.	\$9,492	nicholas pandjiris whistle down farm
FNE22-028	Traditional Tortilla Maize Cultivation in New York's Hudson Valley: Evaluating Viability of Heirloom Cultivars from Mexico and Central America	\$7,689	Samuel Rose SunRunner Farm LLC
FNE22-029	Sustainable Microgreens Packaging	\$29,137	Benjamin Flanner Brooklyn Grange
FNE22-030	Determining the Biggest Bang for our (Time) Buck: Dealing with Fall Brassica Diseases in High Humidity Environments	\$14,198	Maryellen Sheehan Hartwood Farm
FNE22-033	Clonal Production of Hybrid Chestnuts via Stool Bed Layering to Improve Overall Orchard Quality	\$19,696	Jeffrey Zarnowski Z's Nutty Ridge LLC

FNE22-010	Establishing Willow and Poplar Tree Fodder Blocks for Resilient Livestock Feed and Flood Mitigation in a Silvopasture Riparian Buffer	\$14,977	Steve and Elizabeth Gabriel Wellspring Forest Farm LLC
FNE21-971	A Feasibility Study on How Affordable Micro-Creameries Can Help Manage On-farm Dairy Risks	\$14,303	Megan Burley Burley Berries and Blooms
FNE21-973	Low Tunnel Materials for Protection and Phenological Acceleration of Figs	\$3,420	Don Caldwell Finger Lakes Grape Program/Annelise Farms
FNE21-978	Assessing Financial Feasibility of African Eggplant Production	\$14,081	Kama Doucoure Big Dream Farms LLC
FNE21-981	Visual Learning Media for Deaf New American Farming	\$14,772	Jacob Gigler Salt City Harvest Farm
FNE21-995	Reduced-Tillage and Tarping for Small Scale Commercial Potato Growing in New York	\$5,090	Dr. robert tuori nook&cranny farm
FNE20-957	Organic Control of a New Apple Disease: Marssonina Leaf Blotch	\$13,949	Louis Lego, Jr. Elderberry Pond
FNE20-967	Researching and Raising Awareness of Dynamic Accumulator Plants in the Northeast	\$14,996	Greta Zarro Unadilla Community Farm
FNE20-950	Updating and Correcting the Roxbury Farm Vegetable Crop and Harvest Manual with Other Growers and Extension Specialists' Feedback for Wider Adoption	\$14,970	Jean-Paul Courtens Philia Farm
FNE20-964	Testing Darwinian Honey Bee Breeding Protocols for Mass Replication: Evaluating the Efficacy of the "Walk-Away Split" as a Queen Rearing Method	\$14,953	Angela Roell They Keep Bees (Formerly Yard Birds Farm & Apiary)
FNE20-968	Red Algae Asparagopsis taxiformis as a Feed Additive for Parasite Prevention in Organic Pasture Raised Sheep	\$15,000	Dr.Diane Zlotnikov Smolyare Zfarms
FNE20-961	Economic Feasibility of Caterpillar Tunnels on Urban and Small-scale Farms	\$13,374	Mayda Pozantides Groundwork Market Garden
FNE20-963	Design, Testing and Construction Education of a Post and Wire Support Structure for Insect Exclusion Netting on Field Grown Berries	\$15,000	Dale Ila Riggs The Berry Patch of Stone Wall Hill Farm, LLC
FNE20-953	Increasing Hudson Valley Farm Viability Through Cooperative Bulk Purchasing	\$14,466	Faith Gilbert Faith Gilbert Cooperative Consulting
FNE19-917	Ecological Urban Farming: Adaptation of No-Till, Compost Mulching and Perennial Hedgerows for the NYC Ecosystem	\$14,987	Orion Ashmore Project EATS: Help Sec Farm
FNE19-918	Establishing a Cooperative Business Model for Marketing and Selling Kunekune Pork Products	\$13,807	Jennifer Bassman Heritage Haus Farm • Empire Kunekune Pig Association / Kunekune Pork Producers Association

FNE19-919	Sustainable Wine Professional Course	\$14,842	Whitney Beaman New York Wine & Grape Foundation
FNE19-922	Sweet Potato Production: Growing Slips/Cuttings For Distribution to Local Farmers	\$2,302	Peter Bump Pete's plentiful produce
FNE19-924	Reduced Till and No-Till Planting of Vegetables in a Vetch/Triticale Cover Crop	\$15,000	Jean-Paul Courtens Philia Farm
FNE19-930	Quantifying Nutritional Value and Best Practices for Woody Fodder Management in Ruminant Grazing Systems	\$14,920	Steve Gabriel Cornell University / Wellspring Forest Farm
FNE19-933	Evaluation of Nursery Methods on Plant Development and Grain Yield of Rice	\$14,487	Dawn Hoyte ever-growing family farm
FNE19-938	Addressing Labor Shortages in the Northeast: A Mechanical Vegetable Harvester for Small and Mid-scale Farms	\$14,978	Joseph Morgiewicz Morgiewicz Produce Inc
FNE19-942	Healthy Soil for Urban Farm Production: Building from Scratch	\$13,624	Amelia LoDolce Volunteers Improving Neighborhood Environments
FNE18-887	Innovative and Affordable Methods of Managing Weeds in Strawberry Production	\$10,399	Megan Burley Burley Berries and Blooms
FNE18-889	Twenty-first Century Pastured Poultry	\$15,000	Nichole Carangelo Letterbox Farm
FNE18-891	Cost-Benefit Analysis of Pastured Pig Weight Gains With and Without Added Protein Supplements	\$14,852	Angela DeVivo The Piggery Inc.
FNE18-894	Improving Compacted Soils with Stropharia Mushrooms	\$13,081	Alice Gallagher Brady Farm
FNE18-899	Innovation in Community Supported Agriculture through Collaboration with Specialty Producers	\$14,987	Peter Johnson Rusty Bucket Mushrooms
FNE18-903	Hill Wicking in Fields for Natural Irrigation and Drainage	\$9,769	Louis Lego, Jr. Elderberry Pond
FNE18-915	Verjuice in the Hudson Valley	\$9,335	Ali Yaghoubi Alistone vineyard
FNE17-862	Livestock manure briquette fuel-making machine: Design and implementation for small farms	\$13,743	Rose Marie Belforti Finger Lakes Dexter Creamery
FNE17-867	Residual doramectin in alpaca manure compost	\$14,521	Dr. Steve Cole Faraway Farm
FNE17-872	Targeted thermal protection for fruiting zone in a vineyard	\$14,952	Tom Higgins Heart & Hands Wine Company
FNE17-874	Oyster mushroom cultivation using spent coffee grounds and hardwood sawdust	\$14,994	Renee Jacobson Firefly Farm

FNE17-879	Economic viability for the farmer, fresh food for low-income families: A manual	\$14,955	Leah Penniman Soul Fire Farm Institute, Inc.
FNE17-884	Edible weeds from farm to market: A resource guide	\$14,975	Tusha Yakovleva Found Wild
FNE16-842	Decreasing small ruminant exposure to parasites by reducing slug and snail populations through a sheep/duck grazing system	\$10,963	Steve and Elizabeth Gabriel Wellspring Forest Farm LLC
FNE16-844	Understanding equipment sharing: A farmer toolkit	\$14,999	Faith Gilbert Faith Gilbert Cooperative Consulting
FNE16-849	Propagating grapevines in cell plug trays and using a water-wheel transplanter in establishing a vineyard	\$13,461	Richard Lamoy Hid-In-Pines Vineyard
FNE16-851	Hands in the dirt, kids in the kitchen, veggies on the table: Local produce goes home with campers at neighborhood day camp	\$13,950	Miriam Latzer Good Flavor Farm
FNE15-822	Pastured Rabbit for Profit	\$12,694	Nichole Carangelo Letterbox Farm
FNE15-824	Development of Good Food Farmers Network: A replicable model of farmer-owned joint marketing and sales	\$14,140	Henry Corsun Dog Wood Farm
FNE15-829	Melon and watermelon grafting for disease resistance in hoop houses	\$13,483	Matthew Goldfarb Fruition Seeds
FNE14-791	Using invasive Eurasian milfoil as an organic soil amendment: Effect on tomato yield	\$6,697	Brittany Harris Fledging Crow Vegetables Ian Ater Fledging Crow Vegetables
FNE14-798	High-tunnel bed and trellised crops sprayer	\$14,906	Andrew Fellenz Fellenz Family Farm
FNE14-799	Bedding material comparison in a composting barn	\$11,081	Sarah Ficken New Moon Farms
FNE14-800	Best cultural practices for microgreens: A quantitative and seasonal analysis	\$7,710	Allan Gandelman Main Street Farms, LLC
FNE14-806	Cold climate grapes: Determining an appropriate training system for improved yield	\$14,935	Richard Lamoy Hid-In-Pines Vineyard
FNE14-813	The use of insect netting on existing bird netting support systems to exclude spotted-wing Drosophila from a mature small-scale commercial highbush blueberry planting	\$11,820	Dale Ila Riggs The Berry Patch of Stone Wall Hill Farm, LLC
FNE13-774	Increasing body heat in dairy goat kids born during cold New York winters	\$8,035	Catherine Conhiser-Andera Goat Valley
FNE13-776	Black soldier flies as a sustainable feed alternative for aquaculture	\$9,375	Allan Gandelman Main Street Farms, LLC

FNE13-779	Improving seed quality of Northeast-grown seed: Focus on disease	\$14,940	Ken Greene Hudson Valley Seed Library
FNE13-784	Evaluation of exclusion and mass trapping as cultural controls of spotted-wing Drosophila in organic blueberry production	\$9,400	Lawrie Nickerson Hay Berry Farm LLC
FNE13-785	Incorporating buckwheat into oat/pea hay	\$11,327	John O'Meara O'Meara Family Farm
FNE13-788	Beef cooperative - Part 2	\$14,710	Sarah Teale Rosie's Beef
FNE12-738	Beef cooperative	\$14,698	Duane Burch Rosie's Beef Sarah Teale Rosie's Beef
FNE12-739	Testing the Compost-Heated Greenhouse in an Urban Setting	\$5,042	Jesica Clark South Pine Street City Farm
FNE12-743	Effectiveness of wet spent brewer's grains as mulch in mixed vegetable production	\$6,989	Regina Dlugokencky Seedsower Farm
FNE12-745	Integrating ducks into log-grown shiitake mushroom production for slug control and added yields	\$13,691	Steve Gabriel Cornell University / Wellspring Forest Farm
FNE12-754	Cold climate grapes: Increased sustainability through improved yield and quality	\$14,819	Richard Lamoy Hid-In-Pines Vineyard
FNE12-755	Spore exclusion high tunnel	\$14,795	Louis Lego, Jr. Elderberry Pond
FNE12-757	Precision cultivation	\$14,439	Klaas Martens Lakeview Organic Grain
FNE12-758	An investigation into the suitability of the Japanese paper pot transplanter to small-scale vegetable farms	\$5,066	elizabeth martin muddy fingers farm
FNE12-760	Quinoa trial for Northeast upland farms	\$9,370	David McClelland Maplebank Farm
FNE12-763	Evaluating the profitability of high-value end products produced from spent mushroom substrate	\$4,730	Joseph Rizzo, Jr. Blue Oyster Cultivation
FNE11-713	Grass pellet fuel for electricity production	\$15,000	Dave Dolan Mary Dolan Flyingrabbit Farm
FNE11-717	A multi-purpose tool for small farms	\$13,021	fred forsburg Honeyhill Farm
FNE11-722	Growing Scab Free Apples Without Fungicides	\$6,732	Louis Lego, Jr. Elderberry Pond
FNE11-723	Investigating effects of beneficial microbial inoculants on potatoes	\$3,798	Marina Michahelles Shoving Leopard Farm

FNE11-724	Organic Brussels Sprouts in the Northeast: Variety, Pest Control and Storage Trials	\$6,134	Robin Ostfeld Blue Heron Farm
FNE11-725	Increasing Maple Profitability Through Dropline and Spout Replacement	\$6,920	Michael Parker Parker Family Maple Farm
FNE11-731	Farmer Built Spelt Dehuller	\$7,369	Nigel Tudor Weatherbury Farm
FNE10-679	Develop a Standard for Kefir Cheese Spread and Establish Benchmarks for Aging a Raw Milk Cheese Spread	\$9,348	Rose Marie Belforti Finger Lakes Dexter Creamery
FNE10-684	Waste Vegetable Oil Fired Flame Weeder	\$13,764	Mary Dolan Flyingrabbit Farm
FNE10-688	Plant Productivity Rates and Cost Effectiveness for Different Soil Tillage Systems	\$7,766	Tanya Jurcic Windfall Farms
FNE10-691	Better Wine Grape Quality using Combined Vine Training and Canopy Management - Phase Two	\$11,560	Richard Lamoy Hid-In-Pines Vineyard
FNE10-695	Prototype Feeder Wagon for Horned Cattle	\$3,175	Bruce Maitland Willow Knoll Farm
FNE10-697	Production and Processing of Raw Bio-Mass for High Quality Bio-Fuel in the Catskill Region	\$15,000	Bart Misiewicz Bajube Farms
FNE10-700	Mushroom Cultivation in Unused Farm Structures	\$9,010	Noah Radliff Soggy Bottom Mushroom Farm
FNE10-701	Evaluating hot pepper varieties for yields under low tunnels and customer preferences	\$4,232	David Vigil East New York Farms!
FNE09-657	Grafting heirloom tomatoes for field production	\$8,034	Peter Garnham East End Community Organic Farm
FNE09-660	Preparing the Ground for Local Fair Trade: Helping Farmers and their Buyers Improve Labor and Pricing	\$7,933	Elizabeth Henderson Peacework Farm
FNE09-661	Goodbye Hobby Garden, Hello Money Garden! Building Commercial Relationships Between Community Supported Agriculture (CSA) Farmers and Local Gardeners for Mutual Benefit	\$6,625	Eve and Chris Kaplan-Walbrecht Garden of Eve Organic Farm
FNE09-662	Better Wine Grape Quality using Combined Vine Training and Canopy Management	\$7,965	Richard Lamoy Hid-In-Pines Vineyard
FNE09-664	Spore Exclusion - A New Approach to Downy Mildew Prevention in Cucurbits	\$8,541	Louis Lego, Jr. Elderberry Pond
FNE09-666	Using Pigs as Seed Drills: Interplanting Small Grains into a White Clover Living Mulch	\$6,038	Brad Marshall The Piggery
FNE09-669	Mushroom Cultivation utilizing off Season Vegetable Growth Chamber	\$2,261	Noah Radliff Soggy Bottom Mushroom Farm

FNE09-670	Assessments of the benefits of raising calves with their mothers in an intensive grazing system	\$7,864	Steffen Schneider Hawthorne Valley Farm
FNE08-632	Investigation of increased productivity of a hoop house through better use of space	\$3,564	Kurg Forman Clear View Farm
FNE08-641	Food-grade mineral oil and thymol fog application as a natural alternative to treating honeybee mites	\$7,556	Heather Kyser Bee-mus Honey
FNE08-645	Using foster mother hens to raise chicks on a diversified sustainable farm	\$5,986	Drew F. Piaschyk Lamb's Quarters Organic Farm
FNE08-648	Performance of red clover and oilseed radish interseeded into corn	\$9,050	Ronald Stutzman
FNE07-612	Alternative media for seeding growth for short crop cycle baby spinach and salad mix production in a hydroponic greenhouse	\$9,970	Bob LaDue Challenge Industries., Inc.
FNE07-614	Low-spray disease-resistant apple variety evaluations	\$9,237	Louis Lego, Jr., Jr. Elderberry Pond, LLC
FNE07-615	Using perimeter trap cropping and a flaming unit to control for squash bugs and cucumber beetles in cucurbits	\$5,022	Raymond Luhrman Fox Creek Farm
FNE07-618	Evaluating spent shiitake and oyster mushroom substrates as feedstocks for ethanol fuel production	\$10,000	John Morelli Flower City Mushrooms, LLC
FNE07-622	Radiant heated hoop house for spring perennial production	\$5,838	Marguerite Wells
FNE06-566	Value-added Processing of Crops Into "Farmers' Market Frozen Foods"	\$9,659	Nina Bruno Ambrosia Farms
FNE06-568	MADE in Schoharie County livestock internship program	\$9,961	Carol Clement Heather Ridge Farm
FNE06-571	Will more precise research tools lead to reduced use of antibiotics to prevent cases of mammary infection during a dry period?	\$10,000	Willard De Golyer Table Rock Farm, Inc.
FNE06-572	Determining the presence of a season-extending microclimate between high tunnels	\$4,304	fred forsburg Honeyhill Farm
FNE06-573	Mulching tomatoes for maximum production and minimum labor and material costs	\$3,285	Dan Guenther Brook Farm Project
FNE06-580	Evaluating farm-feasible applications and soil health response	\$8,625	Brian Luton Stones Throw Farm
FNE06-584	Increasing production and promoting adoption of organic king oyster mushrooms	\$8,644	John Morelli Flower City Mushrooms, LLC

FNE06-588	Marketing an incubator for farmstead cheese making	\$7,900	David Randles Argyle Cheese Factory
FNE06-589	Protecting vinifera grapes from cold weather damage	\$7,708	Martin Schulze Schulze Vineyards and Winery
FNE06-591	Seniors and CSA: Market research for innovation and participation	\$4,012	Benjamin Shute Hearty Roots Community Farm
FNE06-595	Process development and standards for kefir cheese	\$9,997	Rose Marie Belforte
FNE05-541	A longitudinal study of milk nutrient levels among varied farm management systems	\$9,964	Kathie Arnold
FNE05-544	Development of management strategies to improve aseasonal reproduction in sheep	\$6,700	Richard Ehrhardt
FNE05-545	Personal planter: A self propelled transplanter for setting 100 to 1,000 plants at a time	\$9,730	Andrew Fellenz Fellenz Family Farm
FNE05-547	Replacing soil sterilant practices with low, permanent ground covers in Northeast vineyards	\$5,269	James Hawk Hunt Country Vineyards
FNE05-549	Productivity trials for the combination queen rearing nucleus and comb honey hive	\$4,559	Michael Johnston
FNE04-503	Exploring Alternative Growing Structures for Extending the Season and Improving the Quality of Organically Grown Cut Flowers	\$9,276	Jan Blomgren Windflower Farm
FNE04-508	Marketing to Preschool and Afterschool Programs - Parents	\$9,454	Anna Dawson Hometown Foods, LLC
FNE04-509	Can Use of a Teat Sealant Alone Prevent New Cases of Mammary Infection During a Dry Period?	\$8,000	Willard De Golyer Table Rock Farm, Inc.
FNE04-513	An Organic Hops Nursery - Vegetative Propagation as an Alternate Means to Developing a Hop Field	\$5,497	Larry Fisher Foothill Farm
FNE04-518	Comprehensive Spotted Knapweed - Bedstraw Control Project	\$7,836	Robert Huot
FNE04-524	Investigating the Effect of Banded Compost on Yield in Winter Barley	\$9,298	Klaas Martens Lakeview Organic Grain
FNE04-525	On Farm Education and Agri-Tourism Development Project	\$3,897	Aissa Martin
FNE04-529	Economic Impact of Feeding Methods on Small Scale Poultry Production	\$7,542	John Simpson Wild Geese Farm
FNE04-533	Study of the Effects of Cover Crop and Composting Schedules	\$3,175	Conrad Vispo Hawthorne Valley Association

FNE04-534	Bringing Organic Sweet Corn Back to Long Island	\$1,543	Eve and Chris Kaplan-Walbrecht Garden of Eve Organic Farm
FNE04-539	Tunnel Production of High Value Cut Flowers	\$5,097	Alison Wiley
FNE03-451	Compost Mounds and No-Till for Pumpkins	\$6,044	Peter Andersen
FNE03-461	Vinegar as an Organic Herbicide in Garlic Production	\$3,963	fred forsborg Honeyhill Farm
FNE03-464	Overwintering and Season Extension of Organic Culinary Herbs in Unheated Tunnels	\$6,237	Michael Glos Cornell University
FNE03-472	Low-Cost Electric Cultivating/Seeding Tractor Conversion of Allis Chalmers	\$6,490	Ron Khosla Huguenot Street Farm
FNE03-473	Heated Beds for Dairy Milk Cows	\$5,562	Brian Kronick Bi-Co. View Farm
FNE03-487	Commercial Baby Spring Mix	\$10,000	Eve Pawelski
FNE03-489	Organic High Density Production of Medicinal Herbs	\$4,375	Matthias Reisen
FNE02-413	Converting Conifer Row-Plantings to Black Locust Production	\$6,100	Dave Gell Black Locust Initiative, Inc
FNE02-414	Poultry Hatchery Feasibility Study	\$6,717	Ken Gies
FNE02-415	Remedies for Common Health Problems of the Organic Laying Flock	\$4,882	Karma Glos
FNE02-419	Educating Consumers and Chefs About Lesser Cuts of Meat Through a Grass-fed Meats Day	\$5,989	Craig Haney
FNE02-428	Growing Gourmet Mushrooms on Woodland Wastes	\$4,201	Tina McMurray Weeping Birch Farm
FNE02-435	Marketing Certified Organic Maple Products at Premium Prices	\$5,139	Charles Richtmyer Natural Harmony Farm
FNE02-449	Maple Cream Shelf Life Extension	\$7,975	Charles Winship
FNE01-354	Pastured Rabbit Cage Development	\$1,570	Gail Adamoschek
FNE01-356	Developing an Efficient Mechanical Pruner for Northeast Vineyards	\$2,500	Bob Betts

FNE01-361	Alternative Energy Greenhouse	\$12,632	Leonardo Busciglio
FNE01-366	Short Straw - Compost Advantages in Vineyards	\$9,555	William Dalrymple
FNE01-367	A Community-Supported Kitchen	\$13,839	Anna Dawson Hometown Foods, LLC
FNE01-380	CSA Partnership with Community Food Security Project	\$3,982	Elizabeth Henderson Peacework Farm
FNE01-381	On-Farm Weed Management With UV-C Light	\$4,581	Kathryn Khosla
FNE01-383	Blueberry Stem Gall Wasp Research - Experiments	\$3,300	Pat LaPoint
FNE01-384	IPM Apple Production Using New EPA "Reduced Risk" Sprays	\$5,715	Louis Lego, Jr., Jr. Elderberry Pond, LLC
FNE01-396	Effect of Growth Rate on Mammary Gland Development in Ewe Lambs: Review of the Literature - Feeding Guidelines for American Dairy Sheep Producers	\$3,108	Bee Tolman Tolman Sheep Dairy Farm
FNE01-398	Grazing Sheep in a Pumpkin Field	\$551	Thomas Warren Stone & Thistle Farm
FNE00-293	Controlling Oriental fruit moth in peaches using pheromone disruption.	\$4,595	Jim Bittner Singer Farms
FNE00-300	Alternative control methods for grape leafhopper, part II.	\$1,200	Richard Figiel Silver Thread Vineyard
FNE00-304	Organic control and management of tarnished plant bug.	\$2,285	Michael Glos Cornell University
FNE00-308	Two-colony hive productivity trials.	\$3,300	Michael Johnston
FNE00-309	Low-input hybrid mulching approach.	\$3,957	Louis Lego, Jr., Jr. Elderberry Pond, LLC
FNE00-314	Evaluating pasture improvement programs.	\$1,916	John Mulligan
FNE00-316	Flood benches and greenhouse vegetable production.	\$3,608	Gary Rhodes
FNE00-322	Cover crops for remediating compacted soils.	\$4,150	Jim Vincent L-Brooke Farms
FNE00-324	Building a double-dug teaching herb garden.	\$2,000	Lisa Wujnovich

FNE00-327	Using straight-growing black locust in on-farm agroforestry.	\$7,080	Dave Gell Black Locust Initiative, Inc
FNE00-329	"Made in the Mohawk Valley" Marketing Campaign	\$11,800	Kenneth Aucompaugh Aucompaugh Acres, Inc.
FNE00-332	Rabbit growers' association.	\$7,135	Mathew Dines Conejo Farms
FNE00-334	Building a farmers' market business from the ground up.	\$10,000	Diane Eggert Farmers Market Federation of NY
FNE00-335	Teaching the use of farm by-products to produce added value.	\$1,780	Jack Fick
FNE00-337	Successful marketing strategy for New York City area farmers.	\$3,393	Craig Grodman
FNE00-339	Natural beef marketing project.	\$5,210	Dawn Keppler Lake Country Premium Beef
FNE00-342	Processing Champlain Valley apples.	\$2,346	Dinah Miller
FNE00-343	Integration of sustainable agriculture into the school curriculum.	\$5,000	Laura Moul Phillies Bridge Farm
FNE00-345	Small ruminant meat processing plant.	\$6,300	Colleen Parsons Capricorn Hill Farm
FNE00-348	Harvest Home Organics.	\$3,328	Rose Ryan
FNE00-349	Growing salad greens to order 365 days a year with minimal heat in Zone 4.	\$5,022	Jo Ellen Saumier Kirbside Gardens
FNE99-235	Dietary Water Needs of Lactating Dairy Cows on Management Intensive Grazing	\$784	Dick & Ann Carey
FNE99-240	Diversification on the Family Farm	\$5,245	David & Susan Evans
FNE99-242	Alternative Control Methods for Grape Leafhopper	\$1,515	Richard Figiel Silver Thread Vineyard
FNE99-245	Managed Intensive Grazing	\$8,041	Cindy Gallagher
FNE99-252	Cooperative Internship Training Program	\$3,475	Elizabeth Henderson Peacework Farm
FNE99-253	Comparing Quality and Yield of Different Grass Species in a Dry Hay Two-Cut System	\$1,820	Donald T. Hill

FNE99-255	Banded Application of Herbicide in No-Till Corn	\$2,100	Robert Karboski
FNE99-260	Commercial Aquaculture on the St. Regis Mohawk Reserve	\$6,800	Jeff Lazore
FNE99-262	Developing Sustainable Production Practices for Ribes (Currants and Gooseberries)	\$5,700	Rodolfo Lopez Micosta Enterprises
FNE99-264	Comparing Soil Nutrient Levels to Seasonal Weather Fluctuations	\$1,500	Klass and Mary Howel Martens
FNE99-276	Estimating the Sustainability and Productivity of a Meat Goat Operation on New York Pastures	\$6,286	Dr. Tatiana Stanton Cornell University Dept. of Anim. Sci.
FNE99-284	Dairy Slurry Management	\$3,637	Anna Dawson Hometown Foods, LLC
FNE99-288	Propagation of Superior, Straight Growing Black Locust (<i>Robinia pseudoacacia</i> , & Haudenosaunee-) through Agroforestry	\$1,945	Dave Gell Black Locust Initiative, Inc
FNE99-289	Creating a Demonstration Agroforestry Field	\$4,100	Dori Green Oak Grove Community Farm
FNE98-190	Guinea Fowl for Orchard Income and Insect Control	\$1,820	Warren Bower
FNE98-195	Commercial Organic Hops Production Trial	\$3,512	Jeffrey Klein
FNE98-197	Managed Intensive Grazing	\$8,353	Ray Paddock
FNE98-211	Developing Excellence in Grass Hay Farming	\$7,500	Matthew Beckerink
FNE98-212	Elk Farming	\$5,610	Debra Armstrong
FNE98-223	Apple Pest Management Trial	\$2,669	Louis Lego, Jr., Jr. Elderberry Pond, LLC
FNE98-229	Research and Development for Existing Cooperative Preorder Distribution of Local Foods	\$4,970	Jean-Paul Courtens Philia Farm
FNE97-166	Mechanical Cultivation and Fertility Workshops	\$3,450	Richard De Graff Grindstone Farm
FNE97-176	Recycling composted poultry manure to grow various crops	\$5,782	Kurt Kreher
FNE97-179	Cover Crop Interseeding into Soybeans at Time of Last Cultivation: Adapting Experimental Results into Practical, Farm-scale Methods	\$5,550	Tony Potenza Potenza Farms

FNE97-186	Nutrient Retention and Humus Formation in Various Bedding Materials	\$5,080	Robert Walker
FNE96-116	Feasibility of No-till Frost Seeding	\$1,285	Lloyd Bishop
FNE96-117	Permanent Bed Vegetable Production Systems	\$3,190	Janice Blomgren
FNE96-121	Use of a Biological Filter in a Recirculating Aquaculture System	\$1,758	William Brockway
FNE96-126	Rotational Grazing of Sheep to Control Weeds in Christmas Trees	\$1,325	Paulie Drexler
FNE96-140	Answering Questions About Ditch Bank Stabilization	\$2,100	Alex Cocot
FNE96-144	An Evaluation of Chinese Medicinal Herbs as Field Crops in the Northeast	\$3,498	Marnie & Don MacLean
FNE96-145	Development - Adoption of Computerized Crop Record Keeping Program	\$4,000	Stephen McChesney
FNE96-150	Full Capitalization of Water Resources	\$6,000	Ward Rounsaville
FNE95-101	Organic Hardy Kiwi Production	\$1,079	Klass and Mary Howel Martens
FNE95-106	Determining the Efficacy of a Single Thinning Application of Carbaryl on Two Species of Foliar Feeding Leafhoppers on Apple to Reduce Late Season Pesticide Applications	\$2,275	Peter Ryan Breezy Hill Orchard
FNE95-108	Encouraging Spiders for Pest Control: Comparing Mulches	\$938	Sue Smith-Heavenrich
FNE95-078	Profitability of Grass-Based Forages in SW New York	\$3,050	James Barney
FNE95-080	Harvesting and Marketing Chinese Chestnuts	\$2,400	Peter Childs
FNE95-084	Sustainable Flea Beetle Management in Broccoli	\$850	Aaron Gabriel
FNE95-085	Season Extension For Vegetable Crops in Zone 4	\$1,200	Jeanne Giambrone Hillside Acres
FNE95-090	Biocontrol of Two-Spotted Spidermite	\$500	Craig Kawasaki
FNE95-093	Predator Scent as a Deer Repellent in Christmas Tree Production	\$960	George & Heidi Kollias

FNE95-098	Viability of a Mechanically Killed Cover Crop in NE Vegetable Cropping	\$1,150	Jim Lucey
FNE95-100	Mentoring Program	\$5,400	Kay Magilavy The Heron's Garden, Inc.
FNE94-040	Nematodes for Control of Plum Curculio	\$3,305	Brian Caldwell Hemlock Grove Farm
FNE94-042	Finger Lakes Chestnut Project	\$2,100	John Cicero
FNE94-045	Determination of Factors that Contribute to Alasa Farm's Significantly Lower Pesticide Costs when Compared to the Area Average as Reported in Cornell's 1992 Fruit Business Summary	\$1,935	Chris Edmonds Alasa Farms
FNE94-055	Lingonberry as an Alternative Small Fruit Crop	\$650	Deborah Kavakos
FNE94-056	Raising Lambs on Fresh Goats Milk	\$1,590	Ken Kleinpeter Hollow Road Farms
FNE94-058	Community Supported Composting	\$3,840	Scott Chaskey
FNE94-060	Sorghum/Soybean Forage Mixture - Is it a good alternative to corn silage for the Northeast?	\$2,950	Barbara Leverett
FNE94-061	Aeration to Improve Sod Development	\$1,452	Timothy J. Marland
FNE94-063	Disease Forecasting	\$1,750	James M. Mohart
FNE94-064	Long Term No-Till Cover Crop Seeding in Vineyards	\$5,571	June Pendleton
FNE94-066	Increasing Options for Cover Cropping in the Northeast	\$2,800	Steve Porter Porter Farms
FNE94-068	Cover Crop Nematode Suppression	\$3,300	Emil Ronchi Cradle Valley Farms
FNE94-071	Encouraging Spider Population for Natural Pest Control	\$1,170	Sue Smith-Heavenrich
FNE93-002	The Use of Rotational Grazing in the Production of Lambs for the Hothouse Market	\$2,250	Richard Leverett
FNE93-014	Increasing Options for Cover Cropping in the Northeast	\$1,865	Steve Porter Porter Farms
FNE93-021	Evaluation of Puna Chicory Overseeding in Sheep Pasture in Central New York	\$1,975	Karl North Northland Sheep Dairy

FNE93-026	Integrated, Season Extension, Solar Greenhouse	\$5,825	Steve Gilman Ruckytucks Farm
FNE93-031	New Sprayer Technology For Reduction of Pesticide Use in Apples	\$4,060	W.H. Palmer Spring Brook Fruit Farms

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE Support	Project Leaders
GNE22-286	Epigenetic Inheritance of Maternal Disease Status in Dairy Cattle and Effect on Offspring Performance	\$15,000	Heather Huson Cornell University Sydney Jewell Cornell University
GNE22-304	Evaluation of tetralone abscisic acid as a novel budbreak delay and spring frost damage mitigation product in vineyards	\$14,226	Jason Londo Cornell University Hongrui Wang Cornell University
GNE21-247	Utility of the parasitoid fly, <i>Celatoria setosa</i> , for controlling striped cucumber beetles (<i>Acalymma vittatum</i>) in cucurbit agrosystems.	\$14,924	Dr.Jennifer Thaler Cornell University Matthew Barrett Cornell AgriTech
GNE21-248	Assessing Insect Dynamics in the Sour Rot Disease Etiology of Grapes	\$14,851	Gregory Loeb Cornell University Rekha Bhandari Cornell University
GNE21-249	The effects of azoxystrobin on rhizosphere microbiology and microbiome-mediated susceptibility to <i>Rhizoctonia solani</i> AG 2.2 in table beet	\$14,741	Dr.Sarah Pethybridge Cornell University Eric Branch Cornell University
GNE21-265	Influences of social capital and resource efficiency on the resilience of local food supply networks	\$15,000	Dr.Kieran Donaghy Cornell University Shriya Rangarajan Cornell University
GNE21-269	Improving soil health using beneficial microbiomes in urban agriculture	\$14,991	Jenny Kao-Kniffin Cornell University Yejin Son Cornell University
GNE21-272	Hand-held NIR devices used to predict grass % in alfalfa-grass mixtures to improve nutrient management and whole-farm sustainability in dairy systems	\$15,000	Dr.Debbie Cherney Cornell University Rink Tacoma-Fogal Cornell University
GNE20-240	Improving Orchard Productivity Using Novel Disease Management Practices for Control of Apple Powdery Mildew in the Northeast USA	\$14,434	Kerik Cox Cornell University David Strickland Cornell University
GNE20-242	Determine Whether Dietary Lysophospholipid Supplementation Enhances Immunity in Holstein Dairy Calves	\$15,000	Dr.Joseph McFadden Cornell University Brianna Tate Cornell University
GNE19-201	Antibiotics in the Dairy Farm Environment: Understanding Antibiotic Transport to Improve Farm Sustainability	\$11,782	Dr.Todd Walter Cornell University Dr.Christine Georgakakos SUNY College of Environmental Science and Forestry
GNE19-204	Elucidating the Role of Microarthropods in Nitrogen Cycling	\$14,715	Kyle Wickings Cornell University Ashley Jernigan Cornell University

GNE19-208	Characterization of Diversity in Traditional Northeastern Dry Bean Varieties and Potential for Genetic Improvement	\$14,932	Michael Mazourek Cornell University Kristen Loria Cornell University
GNE19-220	Maximizing Colostrum's Benefits and Reducing Antibiotic Use through Physiological Feeding Management of Dairy Calves	\$14,877	Dr.Vimal Selvaraj, BVSc, PhD Cornell University Kasey Schalich Cornell University
GNE19-223	Identifying Tomato Varieties with Resistance to Current Aggressive Strains of the Leaf Mold Pathogen	\$14,797	Christine Smart Cornell University Martha Sudermann Cornell University
GNE18-166	Comparative Analysis of Cover Crop Incentive Programs in the Northeast	\$15,000	Dr.Matthew Ryan Cornell University Barbara Chami Center for Inclusive Democracy
GNE18-171	Nutritional Therapy to Prevent Leaky Gut in Dairy Cattle Experiencing Endotoxemia	\$14,996	Dr.Joseph McFadden Cornell University Ananda Fontoura Cornell University
GNE18-183	Evaluating Abiotic Factors Associated with Onion Maggot Control Failure in Northeastern Onion Production Systems	\$14,984	Dr.Brian Nault Cornell University Erica Moretti Cornell University
GNE18-188	Wild Bees in the Trees: Pollen Analyses to Determine Wild Bee Foraging in Early Spring Canopies	\$14,912	Bryan Danforth Cornell University Katherine Urban-Mead Cornell University
GNE18-191	Low Tunnel Strawberries: Survey of Pest Incidence and Recommendations for Biological Control of Two-Spotted Spider Mite and Tarnished Plant Bug	\$14,988	Gregory Loeb Cornell University Samantha Willden Cornell University - Geneva Campus
GNE17-143	Combining resistances to major bacterial, fungal, and oomycete diseases of Northeast-adapted tomato	\$14,994	Dr.Martha Mutschler-Chu Cornell University Taylor Anderson Cornell University
GNE17-151	Application of limestone-bed bioreactors to treat silage leachate	\$14,957	Tammo Steenhuis Cornell University Bahareh Hassanpour Guilvaiee Cornell University
GNE17-152	Using palissage to reduce disease incidence and fungicide use in winegrapes	\$14,993	Dr.Justine Vanden Heuvel Cornell University Anne Kearney Cornell University
GNE17-154	Mineral nitrogen recovery from manure slurry through multi-layer sorption of NH3 and CO2 onto pyrolyzed biomass	\$15,000	Johannes Lehmann Cornell University Leilah Krounbi Cornell University
GNE17-156	Increasing the profitability of Kernza perennial wheat with intercropped grain legumes	\$15,000	Dr.Matthew Ryan Cornell University Eugene Law Cornell University
GNE17-159	Insect larvae production on dairy cow manure: a potential windfall for dairy farmers and sustainable aquaculture	\$15,000	Helene Marquis, DVM PhD Cornell University Nathaniel Sibinga Cornell University
GNE16-115	The role of insects as fire blight vectors: Implications for sustainable disease management in Northeast apple orchards	\$14,846	Gregory Loeb Cornell University Matthew Boucher Cornell University

GNE16-123	Sustainable year-round sheep milking management	\$14,994	Dr.Michael Thonney Cornell University Nikola Kochendoerfer Cornell University
GNE16-126	Advancing onion thrips management and production in onion in the Northeast by improving soil fertility programs	\$14,877	Dr.Brian Nault Cornell University Ashley Leach Cornell University
GNE16-130	Uncovering the genetic control of cold resistance and adapting winter survival models for Northeast grape production	\$13,450	Dr.Bruce Reisch Cornell University Alisson Pacheco Kovaleski USDA ARS Grape Genetics Research Unit
GNE16-139	Promoting sustainability on moderate-sized dairies: Use of a pathogen-based protocol for treatment of clinical mastitis	\$14,926	Dr.Daryl Nydam Cornell University Dr.Amy Vasquez Cornell University
GNE15-095	Cover Crop And Weed Management In An Inter-seeded Cover Crop Plus Reduced-Rate Herbicide System In Wide-Row Vegetables	\$14,940	Robin R. Bellinder Cornell University, Dept. of Fruit and Vegetable Science Vinay Bhaskar Cornell University
GNE15-103	Reducing Pesticide Use in Vegetable Production by Calculating Soil-borne Disease Risk	\$14,633	Dr.Sarah Pethybridge Cornell University Adrienne Gorny Cornell University
GNE15-107	Participatory breeding of high-value wheat for the Northeast	\$14,996	Dr.Heather Darby University of Vermont Extension Dr.Mark Sorrells Cornell University Lisa Kucek Cornell University
GNE15-108	Unraveling the milk production potential of winter cereals grown as forage double crops in corn or sorghum rotations	\$14,999	Dr.Quirine Ketterings Cornell University Dr.Debbie Cherney Cornell University Sarah Lyons Cornell University
GNE14-073	Selecting seeding rates for diverse summer annual forage crop mixtures	\$15,000	Dr.Matthew Ryan Cornell University K Ann Bybee-Finley Cornell University
GNE14-082	Defining sulfur spray recommendations based upon the re-emergence of hydrogen sulfide off-aromas in wine post-bottling	\$12,249	Dr.Gavin Sacks Cornell University Jillian Jastrzembski Cornell University
GNE14-085	Evaluating Tradeoffs Between Forage Quality and Yield for Winter Cereals Grown as Forage Double Crops	\$14,929	Dr.Quirine Ketterings Cornell University Dr.Matthew Ryan Cornell University Jeff Liebert Cornell University
GNE14-088	Management of the lepidopteran pest complex in cabbage: Augmentative biological control strategies in different landscape contexts	\$14,993	Dr.Brian Nault Cornell University Dr.Katja Poveda Cornell University Manuel Ricardo Perez-Alvarez Cornell University
GNE14-092	Evaluation and prediction of Fusarium graminearum resistance in New York grain corn hybrids	\$14,944	Dr.Gary Bergstrom Cornell University Dr.Georg Jander Cornell University Shaoqun Zhou Cornell university

GNE13-052	Removal of feather lipids to improve nutritional value and processing of feathers for animal feed	\$14,999	Dr.Xingen Lei Cornell University Matthew Barcus Cornell University
GNE13-056	Strain-specific late blight forecasting	\$15,000	Dr.William E. Fry Cornell University Giovanna Danies Cornell University
GNE13-057	Evaluating the effect of an anticoccidioidal drug on the nitrogen cycle in agricultural soils	\$14,922	Dr.Pengfei Zhang City College of New York Stephanie DeVries City College of New York
GNE13-062	Investigating annual under-vine cover crops as a sustainable alternative to herbicides in Northeast vineyards	\$14,876	Dr.Justine Vanden Heuvel Cornell University Adam Karl Cornell University
GNE13-063	Integrating resistance from wild relatives against downy mildew in Impatiens	\$14,999	Dr.Mark Bridgen Cornell University James Keach Cornell University
GNE13-065	Effect of artificial or natural rearing of replacement ewe lambs on their maternal behaviors	\$14,890	Dr.Michael Thonney Cornell University Natasha Pettifor Cornell University Dept of Animal Science
GNE12-035	Developing and disseminating potato virus management strategies for northeastern growers	\$14,984	Dr.Stewart Gray Cornell University Dr.Alison Power Cornell University Dr.Jennifer Thaler Cornell University Dr.David Voegtlin University of Illinois Susan Claffin Cornell University
GNE12-036	The use of native perennial wildflowers and alfalfa trap crops to increase pollination and biological control in strawberries	\$14,534	Gregory Loeb Cornell University Heather Connelly Cornell University
GNE12-039	Using forage yield monitors to improve nutrient recycling and environmental protection	\$14,991	Dr.Quirine Ketterings Cornell University Emmaline Long Cornell University
GNE12-043	Developing an adaptive management framework for promoting agroecosystem services through cover crops	\$14,974	Laurie Drinkwater Cornell University Dr.Emily Reiss Emily Reiss, LLC
GNE12-046	Practitioner decision effects on select biochemical and organoleptic qualities of shiitake mushrooms (Lentinula edodes)	\$14,839	Dr.Kenneth Mudge Cornell University Dr.Kenneth Mudge Cornell University Bryan Sobel Cornell University
GNE11-019	On-site detection for agriculture and food systems using DNA nanotechnology	\$12,705	Dr.Dan Luo Cornell University Dr.Keith Perry Cornell University Mark Hartman Cornell University
GNE11-021	Regional Food Hubs: the key to improved farm profitability and rural economic development?	\$15,000	Todd Schmit Cornell University Becca Jablonski Colorado State University

GNE11-024	Reducing farmer uncertainty in spring forage harvests: image recognition to predict alfalfa-grass stand composition	\$14,997	Dr. Debbie Cherney Cornell University Jerome H. Cherney Dept of Soil, Crop, and Atmospheric Science, Cornell University Keenan McRoberts Cornell University
GNE10-005	Balancing Nitrogen Sinks and Sources Using Cover Crops On Manured Fields	\$10,179	Dr. Harold van Es Cornell University Chris Graham Piedmont Valley Vineyard and Farm
GNE10-007	Enhancing the sustainability of fresh-market snap bean production in the Northeast by identifying and promoting cultivars with tolerance to Cucumber mosaic virus (CMV).	\$15,000	Dr. Phillip Griffiths Cornell University John Hart Cornell University
GNE10-008	The use of banker plants and the predatory midge <i>Aphidoletes aphidimyza</i> for aphid biocontrol in greenhouse crops.	\$14,973	Dr. John Sanderson Cornell University Sarah Jandricic Cornell University
GNE10-012	Addressing Challenges of a Reduced Tillage Organic Vegetable System: In-row Weed Control and Fertility Management	\$8,949	Dr. Anusuya Rangarajan Cornell University Sara Rostampour Cornell University

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE Support	Project Leaders
ONE22-409	Improving Production Practices for Three Niche Crops in Response to Shifting Climatic Opportunities	\$21,470	Elizabeth Buck Cornell Cooperative Extension
ONE22-419	Greenhouse IPM Scout School: Online and Hands-on Training for Current and Next Generation Scouts	\$29,105	Dr. Elizabeth Lamb New York Integrated Pest Management, Cornell University
ONE22-414	Laying the Foundation for Affordable Farmer Housing	\$30,000	Faith Gilbert Faith Gilbert Cooperative Consulting
ONE22-418	Yield, Environmental, and Financial Impact of Double-Cropping Buckwheat (No Till) After Wheat	\$29,795	Kyle Gifford The Birkett Mills
ONE22-424	Exploring Winter Lentil and Winter Pea Production in the Northeastern United States	\$24,236	Dr. Virginia Moore Cornell University
ONE22-427	Compost Exhaust to Provide Nutrients for Plants in Biofilter and Heat for Greenhouse	\$29,999	Jennifer Perry AdkAction Compost for Good
ONE21-396	Greenhouse IPM Scout School: Grower Input to Create the Curriculum	\$20,614	Dr. Elizabeth Lamb New York Integrated Pest Management, Cornell University
ONE21-406	Fight the Mite! Post-harvest Control of Eriophyid Mites in Garlic	\$24,960	Crystal Stewart-Courtens Cornell Cooperative Extension
ONE20-376	Soil Carbon Capture for Diverse Farmers	\$30,000	Leah Penniman Soul Fire Farm Institute, Inc.
ONE20-367	Determining the Optimum Quality Harvest Stage of Male-Sterile BMR Forage Sorghum	\$13,351	Thomas Kilcer Advanced Ag Systems LLC

ONE20-363	Surveillance of Johne's Disease in Small Ruminants in Northern New York	\$26,950	Betsy Hodge Cornell Cooperative Extension of St. Lawrence County Jessica Scillieri Smith NYS Dept of Agriculture and Markets/Division of Animal Industry
ONE20-380	Aphid Biological Control in Greenhouses with a Novel Banker Plant System	\$26,229	Dr. John Sanderson Cornell University
ONE20-369	Developing a Beginning Farmer Training Program for Western New York's Minority and Low Resource Farmers	\$30,000	Elizabeth Leipler Providence Farm Collective
ONE19-327	Two-spotted Spider Mite IPM for Urban Agriculture	\$20,836	Samuel Anderson Cornell Cooperative Extension, Harvest NY
ONE19-328	Training Northeast Farmers to Confront and Dismantle Racism and Inequity in Food and Farming Systems	\$26,712	Caitlin Arnold National Young Farmers Coalition
ONE19-330	Demonstrating Soil Health Improvements through Adoption of Interseeded Cover Crops and Grazing	\$28,600	Janet Britt Agricultural Stewardship Association, Inc.
ONE19-336	Developing Integrated Pest Management Strategies to Reduce Damage from the Invasive Allium Leafminer on Organic Farms	\$29,943	Ethan Grundberg Cornell Cooperative Extension Eastern New York Commercial Horticulture Program
ONE19-337	Creating Goat Artificial Insemination Video Training Materials	\$9,086	Betsy Hodge Cornell Cooperative Extension of St. Lawrence County
ONE19-351	Postharvest Handling of Garlic for Control of Pests and Disease	\$29,968	Crystal Stewart-Courtens Cornell Cooperative Extension
ONE19-353	Biological Control of Chestnut Weevil	\$29,684	Denis Willett Cornell Agritech
ONE18-310	Improving Hop Harvest Timing in the Northeast	\$13,856	Steve Hadcock Cornell Cooperative Extension CAAHP
ONE18-316	Using Detailed Customer Transaction Data from Farmers' Markets to Analyze Opportunities for Increased Sales	\$12,214	Matthew LeRoux Cornell Cooperative Extension- Tompkins County
ONE18-321	Sheep-to-Shawl: Creating a Solution-Based Strategy that Addresses the Fragmented Fiber Production Infrastructure	\$15,000	Monika Roth Cornell Cooperative Extension Tompkins County
ONE17-292	Developing lavender and mint production in the Northeast	\$14,987	Dr. Lily Calderwood University of Maine
ONE17-298	Nitrogen dynamics and yield response to minimal supplemental heating in high tunnel winter production	\$14,997	Ethan Grundberg Cornell Cooperative Extension Eastern New York Commercial Horticulture Program
ONE17-301	Lease mediation project	\$14,487	Claudia Kenny New York State Agricultural Mediation Program

ONE17-303	Increasing soil health and climate resilience education for pasture-based livestock farmers	\$14,967	David Llewellyn Glynwood Center, Inc.
ONE16-252	Novel approaches to integrated management of potato beetle and leafhopper in organic potato	\$14,847	Dr.Mitchell Baker Queens College of CUNY
ONE16-259	Using a novel banker plant system to prevent spider mite outbreaks in tomatoes grown in protected culture	\$14,890	Carol Glenister IPM Laboratories, Inc.
ONE16-262	Optimizing management of a new invasive species, swede midge, on small-scale organic farms: Part II	\$14,999	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program
ONE16-263	A behaviorally based approach to managing the invasive brown marmorated stink bug, Halyomorpha halys	\$14,977	Peter Jentsch Poma Tech Inc.
ONE16-271	Managing western bean cutworm: An impending threat to organic field corn, sweet corn, and dry bean growers	\$14,502	Abby Seaman NYS IPM Program - Cornell
ONE16-272	Organic no-till pasture and hayfield rejuvenation	\$14,927	Kenneth Smith Cornell Cooperative Extension
ONE16-274	Engaging South Asian growers and customers in fresh vegetable production	\$14,784	David Vigil East New York Farms!
ONE16-276	From the ground up: Soil best management practices for vegetable production on rooftop farms	\$14,999	Dr.Thomas Whitlow Cornell University
ONE16-286c	Cover Crop Outreach Demonstration and Education for Diverse NY Farms	\$11,000	Doug Kierst Cayuga County SWCD
ONE15-229	Gaining and retaining consumers from on-farm special events	\$9,427	Marie Anselm Cornell Cooperative Extension of Ontario County
ONE15-237	Optimizing management of a new invasive species, swede midge, on small-scale organic farms	\$14,994	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program
ONE15-238	Variation in milk proteins across a contemporary group of Holstein cattle	\$14,726	Erika Huyck TP Cattle Services, LLC
ONE15-241	Binghamton Farm Share capacity building project	\$15,000	Amelia LoDolce Volunteers Improving Neighborhood Environments Kate Miller-Corcoran VINES
ONE15-242	Mechanical blossom thinning effects on Gala and Honeycrisp apples	\$9,541	Mario Miranda Sazo CCE Lake Ontario Fruit Program
ONE15-246	Farmers as makers: An inquiry into the viability of developing a MakerSpace in the Albany County hill towns	\$4,366	Dr.April Roggio Medusa General Store
ONE15-249	Evaluation of Novel Bird Repellants in Vegetable Crops	\$14,908	Dr.Darcy Telenko Purdue University

ONE14-219	Developing tools to improve communication between farmers and farm workers around fruit farm practices	\$14,986	James O'Connell Cornell Cooperative Extension
ONE14-221	Advancing living mulch in plasticulture vegetables	\$15,000	Judson Reid Cornell Vegetable Program
ONE14-197	No-tilling grazing Brassicas into existing pastures: Remediation of sward and soil health for pastures	\$14,470	A.Fay Benson Cornell Co-op Extension
ONE14-198	Creating resources to increase collaborative marketing impacts for direct marketers	\$13,810	Laura Biasillo Development Specialist
ONE14-205	Enhancing on-farm decision making and building community among Adirondack farmers	\$14,910	Dr.Curt Gervich SUNY Plattsburgh
ONE14-206	Farm-to-glass Classroom	\$14,981	Sarah Gordon Carey Institute for Global Good
ONE14-208	Expanding the use of Brassica cover crops in onion production	\$14,932	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program
ONE14-213	Increasing late winter/early spring sales for market gardeners through season extension and improved storage options	\$12,497	Monika Roth Cornell Cooperative Extension Tompkins County
ONE13-181	Profitable forage systems: Is double cropping BMR sorghum followed by a winter grain a viable cropping system alternative in the Northeast?	\$14,840	Janice Degni Cornell Cooperative Extension
ONE13-184	Sheep artificial insemination to improve lamb marketing in the Northeast	\$14,673	Betsy Hodge Cornell Cooperative Extension of St. Lawrence County
ONE13-192	Assessing market demand for Finger Lakes specialty cheese	\$15,000	Monika Roth Cornell Cooperative Extension Tompkins County
ONE12-153	Increasing freezer-trade sales for livestock producers	\$14,631	Kerri Bartlett CCE-Steuben
ONE12-156	Integrating ground cover crops and new herbicide strategies, conventional and organic, for tree growth and soil health-part II	\$14,995	Deborah Breth Cornell Cooperative Extension
ONE12-162	Developing a practical guide to using the CSNT and ISNT for improved nitrogen balances on dairy farms	\$15,000	Dr.Quirine Ketterings Cornell University
ONE12-165	Measuring and extending the benefits of orchard mechanization through on-farm research and demonstration plots in western New York	\$14,870	Mario Miranda Sazo CCE Lake Ontario Fruit Program
ONE12-171	Spring application of winter rye grain for weed control in summer vegetables	\$14,973	Judson Reid Cornell Vegetable Program
ONE12-173	Is fresh market sweet corn in reduced-till systems at greater risk to lepidoptera pests?	\$14,995	Teresa Rusinek Cornell Cooperative Extension Of Ulster County

ONE11-133	Identification, Characterization, and Management of an Emerging Mastitis Pathogen, <i>Lactococcus lactis</i> , subspecies <i>lactis</i>	\$14,445	Dr.Michele Barrett, DVM Keseca Veterinary Clinic
ONE11-134	Evaluating Overall Health and Physical Movement of Dairy Heifers in Confinement vs. Management Intensive Grazing	\$11,650	A.Fay Benson Cornell Co-op Extension
ONE11-135	Customer Identification and Communication Education for Scale Specific Commodities	\$14,986	Laura Biasillo Development Specialist
ONE11-138	Integrating ground cover crops and new herbicide strategies (conventional and organic) for tree growth and soil health	\$15,000	Deborah Breth Cornell Cooperative Extension
ONE11-142	Control of spider mites in eggplants and thrips in field sweet peppers using guardian plants and predators	\$13,275	Carol Glenister IPM Laboratories, Inc.
ONE11-143	Preventing erosion of muck soils by reducing tillage in onion production: Part II	\$15,000	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program
ONE11-144	Determining the Potential for Organic Material Use In Northeast Commercial Pear Production	\$14,778	Peter Jentsch Poma Tech Inc.
ONE11-145	Development of Marketing Channel Assessment Tool for Livestock Producers	\$12,162	Matthew LeRoux Cornell Cooperative Extension- Tompkins County
ONE11-149	Managing Garlic Bloat Nematode Using Bio-Fumigant Cover Crops	\$14,988	Crystal Stewart-Courtens Cornell Cooperative Extension
ONE10-113	Management Intensive Grazing to Enhance Heifer Rearing on Large Dairies in the Northeast	\$14,251	A.Fay Benson Cornell Co-op Extension
ONE10-115	How to Use Season Extension Effectively for Winter Market Sales: Investigating Planting Date, Types of Cover, and Fertility	\$12,417	Robert Hadad Cornell Cooperative Extension
ONE10-116	Improving the profitability of onions grown on aging muck soil that has high pH	\$15,000	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program
ONE10-117	Developing Integrated Pest Management Protocols for Northeast Organic Apple Production	\$14,210	Peter Jentsch Poma Tech Inc.
ONE10-118	Determining the Potential for Organic Material Use in Northeast Commercial Pear Production	\$11,895	Peter Jentsch Poma Tech Inc.
ONE10-119	Shelf-life and Marketing Window Extension in Sweet Cherries in NY	\$14,880	Craig Kahlke Cornell Cooperative Extension - Lake Ontario Fruit Program
ONE10-122	Optimizing Strawberry Production with a Reduced Tillage System	\$14,574	Laura McDermott Cornell University Cooperative Extension
ONE10-124	Small-scale Commercial Juneberry Establishment and Marketing	\$13,040	Jim Ochterski Cornell Cooperative Extension

ONE10-125	Low-To-No-Heat hanging Baskets	\$14,681	Judson Reid Cornell Vegetable Program
ONE10-127	Efficient and safe food handling for small scale vegetable farms	\$14,325	Molly Shaw CCE Tioga
ONE09-095	Evaluation of Forage Brassica Establishment and Productivity on Grazing Farms	\$9,864	Stephen Canner Cornell Cooperative Extension of St. Lawrence County
ONE09-099	Live Thrips Traps: Using Inexpensive Marigolds to Draw Thrips Away from Greenhouse Crops	\$6,011	Carol Glenister IPM Laboratories, Inc. Dr.Sally Newman IPM Laboratories
ONE09-112	St. Lawrence County Agricultural Plastics Recycling Project	\$9,850	Keith Zimmerman St. Lawrence County Matilda Larson St. Lawrence County
ONE08-082	A Study to Look at Practices Aimed at Reducing Mechanical Cultivation in Organic Corn Production	\$5,105	Janice Degni Cornell Cooperative Extension
ONE08-085	Maximizing onion and economic feasibility of growing onions from plug transplants	\$9,992	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program
ONE08-087	Improving design to minimize costs and risks associated with pest control in strawberries	\$9,971	Andrew Landers Cornell University
ONE07-067	Rotation, distance, and insecticide resistance in Colorado potato beetle	\$8,867	Dr.Mitchell Baker Queens College of CUNY
ONE07-069	Crop-based biofuels feasibility study for Washington County, New York	\$9,443	Christopher Callahan Callahan Engineering, LLC
ONE07-071	Manipulating beneficial insect habitat for control of thrips in greenhouses	\$4,998	Carol Glenister IPM Laboratories, Inc.
ONE07-072	Preventing erosion of muck soils by reducing tillage in onion production	\$9,996	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program
ONE07-074	Assessing the capacity of producers to supply institutional markets	\$9,824	Monika Roth Cornell Cooperative Extension Tompkins County
ONE06-051	Managing resistance and cross resistance between imidacloprid and spinosad in Colorado potato beetle	\$9,973	Dr.Mitchell Baker Queens College of CUNY
ONE06-053	Digester performance tracking, analysis, and lessons learned review at Freund's Farm,	\$9,979	Christopher Callahan Callahan Engineering, LLC
ONE06-055	Winter feeding grass-fed feeder cattle to finish using brown midrib sorghum sudan cytoplasm 6	\$9,886	Thomas Gallagher Cornell Cooperative Extension
ONE06-056	Manipulating beneficial insect habitat control of thrips in greenhouses	\$5,258	Carol Glenister IPM Laboratories, Inc.
ONE06-057	Economic feasibility of locally grown plug transplants as an alternative to imported bare-root transplants in onions	\$8,973	Christine Hoepting Cornell Cooperative Extension - Cornell Vegetable Program

ONE06-058	Evaluation and demonstration of teff as a summer annual cover crop on clay soils	\$9,984	Michael Hunter Cornell Cooperative Extension of Jefferson County
ONE06-062	Reflective mulch to repel thrips in onions	\$9,911	Judson Reid Cornell Vegetable Program
ONE06-063	Trap cropping for flea beetle control in long-season brassicas	\$9,133	Molly Shaw CCE Tioga
ONE06-065	Innovative methods of weed management for Long Island vineyards	\$9,948	Alice Wise Cornell Cooperative Extension of Suffolk County
ONE05-033	Effects of grazing vs. confinement on first lactation performance of dairy replacement heifers	\$9,600	A.Fay Benson Cornell Co-op Extension
ONE05-037	Developing beneficial insect habitat for greenhouses	\$9,968	Carol Glenister IPM Laboratories, Inc.
ONE05-046	Hybrid and heirloom high-tunnel tomato variety trial	\$9,880	Judson Reid Cornell Vegetable Program
ONE05-047	New York high-tunnel pepper variety trial	\$6,563	Judson Reid Cornell Vegetable Program
ONE05-050	Evaluating bitter melon varieties grown using intensive production methods for yield and Caribbean immigrant customer preference	\$7,950	Georgine Yorgey United Community Centers, Inc
ONE04-017	Promoting Apple IPM Implementation in Eastern New York Orchards by Expansion of the Northeast Weather Association (NEWA)	\$9,841	Juliet Carroll Cornell University
ONE04-020	Farmer-Led Learning Groups to Mentor Beginning Farmers	\$9,827	Billie Best Regional Farm & Food Project
ONE04-027	Integrating Compost Into an Intensive Plasticsulture Production System for Vegetables	\$7,262	Laura McDermott Cornell University Cooperative Extension
ONE04-028	High Tunnel Tomato Variety Trial	\$4,391	Judson Reid Cornell Vegetable Program
ONE04-030	Screening Potato Varieties Commonly Grown by Organic Farmers for Susceptibility to Damage and Yield Reduction Caused by Potato Leafhopper	\$9,670	Abby Seaman NYS IPM Program - Cornell
ONE04-031	Expanding Livestock Integrated Pest Management in the Northeast	\$9,845	J. Keith Waldron NYS IPM Program, Cornell University
ONE03-002	Alternative continuous cover forage crop systems for the Northeast	\$10,000	Paul Cerosaletti Cornell University Cooperative Extension Lisa Fields LAF Consulting in Agronomy and Farm Management
ONE03-004	Regional compost network	\$8,600	Aaron Gabriel Cornell Cooperative Extension-Albany County

ONE03-009	Development of improved controlled-atmosphere storage techniques for gooseberries and red currants.	\$10,000	Steven McKay Cornell Cooperative Extension of Columbia County
ONE03-012	Grass-Based Poultry Production	\$9,310	Lynn O'Brien Cornell Cooperative Extension Allegheny/Cattaraugus
ONE03-014	Developing successful direct marketing strategies for agricultural producers in Washington County	\$9,997	Paula Schafer Cornell Cooperative Extension

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
CNE13-103	Expansion of Food Cooperative into Small-Scale Wholesale Local Foods Distribution	\$14,910	Chris Curro Mohawk Harvest Cooperative Market
CNE13-104	Brooklyn Navy Yard Compost Program Pilot Project	\$14,901	Benjamin Flanner Brooklyn Grange
CNE13-106	East New York Farms direct urban and regional grower development	\$14,845	Deborah Greig United Community Centers
CNE12-092	Sustainable Urban Farm Composting	\$14,445	David Buckel Added Value
CNE12-097	Increasing Farms Sales Through Harvest of the Month	\$14,625	linda Phillips Seeking Common Ground, Inc
CNE11-086	Increasing Farm Profitability through Value Added Training and Certification	\$14,699	Alison Clarke NYSSFPA
CNE11-089	Creating a Local Fair Trade Label	\$14,956	Nancy Apolito Northeast Organic Farming Association of New York, Inc.
CNE10-069	Expanding Farm to Cafeteria Connections with Harvest Preparation and Preservation Training	\$12,950	Deborah Denome Seeking Common Ground
CNE10-080	CNY Bounty: Strengthening Community through Enhancing Marketing and Distribution Opportunities for Farmers	\$15,000	Susan Parker Cornell Cooperative Extension of Madison County
CNE10-081	Farm-to-Pantry Widget	\$15,000	Kate Quinn-Jacobs Authentrics, Inc.
CNE10-083	Mohawk Harvest Cooperative Market	\$14,634	Crystal Stewart-Courtens Cornell Cooperative Extension
CNE09-059	Local officials training initiative	\$6,018	Barbara Henderson Cazenovia Area Community Development Association
CNE08-040	Strengthening community through enhancing the economic viability of dairy farming	\$10,000	Becca Jablonski Colorado State University
CNE08-051	Expanding connections: Marketing farm to cafeteria in the Finger Lakes foodshed	\$9,988	Deborah Munter Seeking Common Ground

CNE08-055	Southtowns Coalition - agritourism enterprise assessment	\$9,952	Lori Szewczyk Town of Evans
CNE07-020	Building community health, farm viability, and food equity through Community Supported Agriculture	\$5,988	Lael Gerhart Cornell Cooperative Extension Tompkins County Elizabeth Karabinakis Cornell Cooperative Extension Tompkins County Monika Roth Cornell Cooperative Extension Tompkins County
CNE07-023	Food processing and community sustainability project	\$9,871	Philip Harnden GardenShare Inc.
CNE07-027	City Seeds: Phase II	\$10,000	Leah Smith The Poughkeepsie Farm Project
CNE07-034	Expanding value-added dairy opportunities in central New York	\$20,603	Nancy Morey Chenango County Ag Development Council
CNE06-003	City Seeds	\$9,850	Wendy Burkhart-Spiegel Poughkeepsie Farm Project
CNE06-004	Canandaigua Lake foodshed: Farm-to-cafeteria program	\$9,053	Deborah Denome Seeking Common Ground
CNE06-011	Farm worker project on social justice in organic agriculture	\$10,000	Richard Mandelbaum CATA
CNE06-013	Foodlink Farmers Fulfillment Center	\$10,000	Thomas Ferraro Foodlink
CNE06-014	New ag venture support program	\$9,250	Ora Rothfuss Wayne County Planning
CNE06-017	Roots and Wisdom Summer Youth Program	\$10,000	Leslie Wiedmann-Herd Roots and Wisdom

**Total funding from the USDA SARE program to
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\$22,739,040**



For further information on projects, contact 802-651-8335 or nesare@uvm.edu. Sustainable Agriculture Research and Education (SARE) is funded by USDA's National Institute of Food and Agriculture (NIFA).