



AGRICULTURE PROJECTS FUNDED IN OHIO

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

Ohio has been awarded \$6,179,925 grants to support 218 projects, including but not limited to, 40 research and/or education projects, 17 professional development projects and 124 producer-led projects. Ohio has also received additional SARE support through multi-state projects.

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RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
LNC18-401	Assessing Soil Fertility and Soil Health in Midwest Hop Production	\$98,561	Dr. Steven Culman Ohio State University
LNC17-393	Optimizing anaerobic soil disinfestation to manage emerging soilborne diseases in tomato protected culture systems in the North Central Region	\$149,349	Dr. Sally Miller The Ohio State University, Dept of Plant Pathology
LNC16-380	Resources that Help Sustainable-Organic Vegetable Growers Select, Use, and Evaluate Microbe-containing Crop Stimulants (MCCSs) More Effectively	\$198,842	Matthew Kleinhenz The Ohio State University-OARDC
LNC16-384	Creating an Educational and Economic Value Chain for Specialty Dairy Products in Appalachian Ohio	\$165,500	Tom Redfern Rural Action
LNC13-351	Neonatal Calf Diarrhea: Reducing Impacts and Antibiotic Use with Natural Therapies	\$142,375	Dr. Greg Habing The Ohio State University
LNC11-331	An Integrated Approach to Understanding Food Safety Practices and Attitudes Among Local Food Systems Actors	\$128,102	Doug Doohan Ohio State University Dr. Jason Parker The Ohio State University
LNC08-292	Marketing Apple Diversity	\$121,200	Dr. Diane Miller OARDC/Ohio State University
LNC08-306	Non-traditional Forages in a Managed Grazing System for Control of Gastrointestinal Parasites in Sheep	\$137,150	Dr. William Shulaw College of Veterinary Medicine, Ohio State University
LNC07-288	Growing Organics: Integrating Science, Farmer Indigenous Knowledge, and Experience in Expanding Organic Production in Ohio	\$140,415.75	Mike Anderson Ohio Ecological Food and Farm Association Dr. Carol Goland

			Ohio Ecological Food and Farm Association
LNC06-272	Evaluating Corn Varieties in Pure and Mixed Stands for Organic Crop Production across Three States in the Corn Belt	\$138,252	Dr.Peter Thomison Ohio State University
LNC05-252	Wisdom in the Land	\$92,560	Sharon Sachs Innovative Farmers of Ohio
LNC05-256	Organic Production and Marketing of Forest Medicinals: Building and Supporting a Learning Community Among Growers	\$106,000	Dennis Hosack Rural Action- Appalachian Forest Resource Center
LNC04-240	Weed Management in Organic Conservation Tillage/No Tillage	\$146,314	John Cardina Ohio State University
LNC04-243	Collaboration with the arts to communicate the messages of sustainable agriculture to a wider audience: Developing a model project with the Springfield Symphony Orchestra in Clark County, Ohio.	\$104,500	Dennis Hall The Ohio State University
LNC03-233	Financial Implications of Non-toxic Endophyte-infected Fescue Pasture: Establishment Costs and Livestock Returns	\$149,555	David Barker Ohio State University
LNC03-236	Variety Evaluation, Selection and Management for Organics Vegetable Systems	\$98,861	Matthew Kleinhenz The Ohio State University-OARDC
LNC02-207	Whole Systems Approach to Building a Sustainable Regional Food Economy	\$99,596	Brad Masi Ecological Design Innovation Center
LNC02-208	Improving Livestock and Grain Farms' Environmental Quality through Watershed Headwaters Learning Communities	\$24,500	Richard Moore Ohio State University
LNC02-221	Ecology and Cultivation of Non-Timber Forest Products in Appalachia	\$100,000	Brian McCarthy Ohio University
LNC01-199	Improving Livestock and Grain Farms' Contribution to Environmental Quality through Headwaters Learning Communities	\$24,500	Richard Moore Ohio State University
LNC01-183	Integrating cover crop mulches in commercial pumpkin production in the Midwest.	\$9,716	Christian A. Wyenandt The Ohio State University
LNC01-189	Building Diverse Markets and Strong Businesses with Limited-Means Farmers	\$50,636	Colin Donohue Rural Action
LNC00-175	Linking soil quality, plant health, and animal nutrition on dairy farms through energy and nitrogen balance	\$110,000	Charlotte Bedet Innovative Farmers of Ohio
LNC98-141	Biological Control of Bacterial Diseases	\$98,000	Dr.Sally Miller

	of Vegetable Crops		The Ohio State University, Dept of Plant Pathology
LNC98-129	Strengthening Farms on the Edge: Developing Rural/Urban Partnerships	\$29,450	Rebecca Cline-Seese
LNC97-118	Use of Cover Crop Practices to Control Weeds in Integrated Lower-Chemical Input Systems of Vegetable Production	\$87,823	Jeff Dickinson Stratford Ecological Society
LNC96-099	Biological Control of Foliar Diseases and Fruit Rots of Tomato	\$103,580	Dr.Sally Miller The Ohio State University, Dept of Plant Pathology
LNC95-091	Integrating Quality of Life, Economic, and Environmental Issues: Agroecosystem Analysis of Amish Farming	\$40,800	Deborah Stinner Dept. of Entomology, OARDC, Ohio State University
LNC94-047.1	Further Development of Innovative and Practical Education in Sustainable Agriculture in Ohio	\$98,094	Clive Edwards Ohio State University, Sustainable Agriculture Program
LNC94-068	Evaluating Soil Organic Matter and Soil Biology for Improving Short- and Long-Term Management of Soil Nitrogen Supplying Capacity	\$93,500	Ed Zaborski Ohio State University
LNC94-069	The Role of Soil Management in Crop Nutritional Quality and Susceptibility to Pests	\$95,232	Larry Phelan Ohio State University
LNC94-070	Economic and Ecological Analyses of Farms and their Component Practices to Promote Crop Rotation and Cover Crop Systems	\$117,670	Benjamin Stinner Ohio State University, Ohio Agricultural Research and Development Center (OARDC)
LNC92-047	Innovative Approaches to Practical Education in Sustainable Agriculture	\$112,390	Clive Edwards Ohio State University, Sustainable Agriculture Program
LNC91-033	LISA as Applied to Vegetable Production Systems	\$77,279	Mark Bennett Ohio State University
LNC91-037	Comparative Economic and Ecological Analyses of Lower Chemical Input Fruit Farms and Other Fruit Farming Systems	\$110,610	Jeff Dickinson Stratford Ecological Society
LNC90-026	Economic, Ecological, and Environmental Analyses of Farms under Long-Term Lower Chemical Input Management	\$92,344	Benjamin Stinner Ohio State University, Ohio Agricultural Research and Development Center (OARDC)
LNC89-015.1	An Integrated Research/Extension Program in Low-Input Crop Production in Ohio	\$40,000	Donald Eckert Ohio State University
LNC88-003	Low-Input Ridge Tillage System for the Corn Belt	\$24,300	Randall Reeder Ohio State University
LNC88-008	Sustainable Agricultural Education Display Systems	\$4,000	Clive Edwards Ohio State University, Sustainable Agriculture Program

LNC88-015	A Research/Extension Awareness Program for Low-Input Agriculture in Ohio	\$38,000	Donald Eckert Ohio State University
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PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ENC18-172	Solar Electric Investment Analysis for Small Farms	\$74,364	Eric Romich Ohio State University
ENC13-139	Education for Veterinarians, Extension Educators and Other Agricultural Professionals on Organic Livestock Health	\$74,592	Dr.Carol Goland Ohio Ecological Food and Farm Association
ENC12-134	Beyond Season Extension: High Tunnels for Season Creation and Economic, Community, and Environmental Sustainability	\$75,000	Tom Redfern Rural Action
ENC10-120	Integrated Sustainable Dairy Program	\$59,266	Dr.Gustavo Schuenemann Veterinary Extension
ENC10-115	Retail Ready & Wholesale Ready	\$67,337	Julie Fox The Ohio State University
ENC10-118	Training professionals on sustainable agriculture for enhanced ecosystem service from the ground up	\$65,900	Dr.Khandakar Islam The Ohio State University South Centers
ENC06-093	Grazier Training for Michigan Agricultural Educators from NRCS, Michigan State University Extension and Conservation Districts	\$26,883.36	Betsy Dierberger NRCS, Michigan Lawrence Dyer Olney Friends School
ENC05-085	Creating Capacity to Confront Invasive Plants as Barriers to Economic Productivity and Environmental Sustainability	\$75,000	Tom Redfern Rural Action
ENC02-067	Developing Capacity and Nurturing Leadership to Assist Producers in Transitioning to Sustainable Marketing Systems	\$62,152	Laura Ann Bergman Innovative Farmers of Ohio
ENC01-056	Forest Meets Farm: Profitable New Crops for Small Farms in Forested Ohio	\$47,743	Scott Bagley Rural Action, Inc.
ENC99-040	Transitioning to Sustainable and Organic Grain and Livestock Production Systems: On-Farm Training for Extension Agents (CES) and NRCS Personnel	\$46,715	Margaret Huelsman Ohio Ecological Food Farm Assn
ENC98-035	Workshops on Land Use and Farmland Policy	\$48,247	Kevin Schmidt American Farmland Trust
ENC98-033	Developing Advanced Grazing Educational Materials and Schools on Sustainable and Profitable Grazing Systems for the North Central Region	\$60,000	Henry Bartholomew Ohio State University Extension
ENC97-027	Professional Training in Soil Quality	\$15,400	Stephen Baertsche

Ohio State University Extension

ENC96-013	Utilizing the Concept of Whole-Farm Planning to Educate Agricultural Professionals and Farm Families in Ohio about Sustainable Agriculture	\$32,000	Mike Hogan OSU Extension
ENC95-003	Grazing Systems for Sustainable and Profitable Agriculture	\$92,100	Henry Bartholomew Ohio State University Extension
ENC95-003A	Developing Educational Materials and Schools for Sustainable and Profitable Grazing Systems	\$30,000	Henry Bartholomew Ohio State University Extension

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FNC18-1135	Figs as a Niche Crop in Northern Ohio	\$7,494	Timothy Malinich
FNC18-1139	Viability of Black Soldier Fly Larvae Production for Rabbit Waste Mitigation and as a Gamebird Protein Supplement	\$7,151	JERAH PETTIBONE Pettibone Urban Game
FNC18-1142	Economic Modification of Langstroth to AZ-Style Beehives to Enable Aging or Physically Limited Beekeepers to Begin/Continue Beekeeping and Improve Hive Care, Colony Health, and Production	\$14,986	Jeannie Saum
FNC18-1146	Mad About Saffron: Growing A Valuable Global Seasoning In The Midwest	\$14,927	rachel tayse Foraged & Sown
FNC18-1148	Optimal Hop Harvest Timing	\$12,005	David Volkman Ohio Valley Hops LLC
FNC17-1103	Mobile Hop Dryer	\$7,500	David Volkman Ohio Valley Hops LLC
FNC17-1071	Evaluation of Semen Extenders for the Preservation and Shipment of Chilled Ram Semen	\$7,089	Donald Brown Promised Land & Livestock Co.
FNC17-1077	Efficacy of Horse and Donkey Manure Compost as an Economical Alternative to Commercial Biofungicides for Control of Phytophthora spp. Root Rot in Lavender Plants	\$6,888	Dr.Susan Giovengo, DVM PhD Green Tan Farm
FNC16-1061	Could Wort Serve as a Viable Soil Amendment?	\$7,452	Richard Stewart Carriage House Farm
FNC16-1024	Growing Mealworms as a Fish Feed for Sustainable Aquaponics	\$3,467	Barry Adler RainFresh Harvests
FNC16-1025	Economic Implications of Using Tomato Suckers to Produce Late Season	\$5,318	Sandy Ashmore That Guys Family Farm

	Tomato Plants instead of Starting Late Season Plants from Seed		
FNC16-1040	Converting Residual Livestock and Deer Bones into a Locally-Produced Char/Fertilizer Soil Enhancer and Measuring Benefits for Small Farms in Southeast Ohio	\$22,500	Richard Jeffers canaan valley farm
FNC16-1044	Field Testing The Mulberry for Commercial Production in the Midwest	\$7,481	Weston Lombard Solid Ground Farm
FNC16-1045	Viability of Using a Low Energy Air Pump to Aerate Freshwater Prawn Ponds	\$7,477	Don Maloney Don's Prawns & More
FNC16-1056	Formalizing Partnerships to Scale-up Value-added Local Food in Rural Ohio	\$7,500	Jeanine Seabrook Glass Rooster Cannery
FNC15-1003	In pond substrate to increase yield and size of freshwater prawns	\$7,477	Don Maloney Don's Prawns & More
FNC15-1008	Multi-farm Assessment of the Optimal Yield Performance in Six Hop Cultivars Grown Throughout Ohio	\$22,497	Dr.Steve Patterson Hop 'n' Pepper Farms, LLC
FNC15-1016	Mushrooms on Coffee Waste : effectiveness of incorporating locally available coffee chaff for improving the effectiveness of small-scale oyster mushroom production	\$921	Alan Susarret Probasco Urban Farm
FNC15-1017	Food Waste For Farms	\$21,800	Abbe Turner Lucky Penny Farm
FNC15-984	Let Pigs Eat Waste: Spice Acres to Reduce Landfill Waste and Lower Food Costs by Using Non-Meat Waste from Local Restaurants	\$7,492	Shawn Belt Spice Acres Andrea Heim Spice Acres
FNC15-987	North Coast Lamb Co-op: Using Carcass Scanning for Producer Production Criteria	\$20,526	Laura DeYoung The Spicy Lamb Farm
FNC15-995	A Model for Mitigating Giant Ragweed on Certified Organic Operations: Ag Engineering and Farm Tours	\$7,500	Ms.Michelle Gregg Code One Compliance
FNC14-962	Feeding Freshwater Prawns through Mechanical Means to Increase Yields and Size	\$7,477	Don Maloney Don's Prawns & More
FNC13-899	Development of a Cooperative Food Distribution Model for Small Farms	\$22,500	Monica Bongue
FNC13-901	Training farmers to perform artificial insemination in sheep	\$19,980	Don Brown Farmer
FNC13-916	Alley cropping in a hillside terrace system	\$2,833.79	Weston Lombard Solid Ground Farm

FNC13-937	Determining what Multi species (8 or More) cover crop mixes perform well in a corn and soybean crop rotation	\$22,500	Matt Vantilburg VTF Inc.
FNC12-869	A Continuing Study of Timing of Tillage/Aeration of Biologically Active Soils Concerning Soil Microbiological Activity, Nutrient Release to the Crop, Soil Vitality Levels and Crop Yield Response	\$14,950	Tim Kimpel (deceased) Kimpel Farms
FNC12-871	Sustainable Sweet Corn Production	\$5,574	Marissa Kruthaup Kruthaup Family Farm
FNC12-882	Variable Width Vegetative Buffers	\$7,482	Tony Murry, Jr. Murry Farms
FNC12-884	Proof of Concept and Prototype Development of a Novel Grape Washer Apparatus for the Small Family Farm Vineyard and Winery	\$7,500	Stephen Pearce Ohio River Vista Vineyard, Winery & Research Station
FNC12-847	Niche Nut Processing Project: Collaborating To Establish Nut Crop Production, Processing And Marketing In The North Central Region	\$22,492.99	Kurt Belser Project Leader
FNC12-848	Utilizing Homegrown Nitrogen from Legume Cover Crops for Corn Production	\$22,500	Jim Hoorman Ohio State University David brandt
FNC12-851	Grazing Corn Plants as an Alternative Summer Annual Forage for Growing Lambs to Reduce Chemical Dependency and Parasite Resistance to Chemicals	\$7,500	Curt Cline Cline Family Farms
FNC12-865	Preservation and Diversification of Heirloom and Antique Apple Varieties in Southern Ohio	\$4,395	Jo Huff Hillgate Farm
FNC10-818	Livestock heavy use pad made from sawmill byproducts.	\$5,780	Brian Welch NA
FNC10-819	Increasing lavender production and oil producers through the use of hoop housing and soil amendments	\$6,000	Mike Prell Peaceful Acres Lavender Farm, LLC
FNC10-820	Creating a service center on our farm for expanding the sale of locally grown foods and local products	\$5,900	Amanda Hamrick Back to Basics Log Cabin Randy Hamrick Back to Basics Log Cabin
FNC10-825	Adding Value to Vegetables Through Live Fermentation.	\$6,000	Christopher Chmiel Integration Acres Ltd.
FNC10-794	Breeding Strategies for Improving Resistance to Gastrointestinal Nematodes in Wool Breeds of Sheep	\$17,640	Kathy Bielek Misty Oaks Farm
FNC10-797	Mulching with wool: opportunities to increase production and plant viability	\$5,994.75	Melinda O'Briant Turner Farm

	against pest damage while creating new regional markets for kempy (unsalable) wool.		Katie Charlton-Perkins Turner Farm
FNC09-775	Transitioning to Sustainable Agriculture Using Continuous No-Till and Cover Crops	\$18,000	Jeff Rasawehr
FNC09-780	Ohio Sheep Milk and Cheese Initiative	\$16,885	Abbe Turner Lucky Penny Farm
FNC09-783	Testing the Feasibility of Maple Syrup Production on Southern Ohio Family Farms	\$5,970	Christine Tailer
FNC09-786	Using Hydroponic Green Forage to Reduce Feed Costs in Natural Pork Production	\$6,000	Jack Donnelly
FNC09-756	Study and develop tillage practices and timing of tillage for incorporation of cover crop plant material that will enhance nutrient availability and yield for the next crop	\$5,990	Tim Kimpel (deceased) Kimpel Farms
FNC09-789	Promoting the availability, growing, and processing of healthy, locally produced food using low cost, low tech equipment	\$5,340	Julie Kline
FNC09-761	Partnerships in Food Waste Reduction through Vermiculture	\$5,739.96	Jeremy Gedert One20 Farm
FNC09-792	Linking Local Food and Forests: Making the Connection with Bio-Char	\$17,983	Jonathan Sowash
FNC09-772	Elderberry Trials for Northern Ohio Growers; Demonstrations and Evaluations to Encourage Diversification	\$1,953	Timothy J Malinich The Ohio State University Extension
FNC09-774	Demonstrating Higher Yields and Market Opportunities of Mixed Annual and Perennial Intensive Planting in Appalachian Ohio	\$5,909.80	Michelle Ajamian
FNC08-708	Using Oilseed as Biological Plow to Reduce Soil Compaction and Recycle Nutrients	\$6,000	David brandt
FNC08-730	A Cooperative Small Farm Effort to meet Local Demand for Staple Seed Crops in the Appalachian Ohio Region	\$18,000	Brandon Jaeger
FNC08-743	Non-traditional Vineyard Canopy Management for Increased Crop Yield and Improved Fruit Quality	\$6,000	Stephen Pearce Ohio River Vista Vineyard, Winery & Research Station
FNC08-744	Community Orchards and Fruit Diversity and Proliferation Project	\$5,990	Michael St. Amour
FNC08-700	A sustainable approach for replacing winter honey bee colony losses using	\$1,606.23	Joseph Latshaw

	locally produced nucleus bee hives overwintered in polystyrene boxes		
FNC07-663	Growing Highly Nutritious Staple Food Crops Using Intensive and Sustainable Agriculture Systems	\$5,730	Brandon Jaeger
FNC07-670	Field study of technique for combining low-cost, herbicide-free control of woody invasives, in particular <i>Ailanthus altissima</i> , with production of edible mushrooms	\$5,218	Janell Baran
FNC07-673	Agroforestry: Transforming Unproductive Woodlots Into Productive Livestock Operations.	\$5,709	Ralph and Dawn McNERney Rockin' M Ranch
FNC07-675	Late Blooming-Disease Resistant Apple Breeding	\$8,760	John Lynd
FNC07-684	Sustainable Concrete Post Construction for Fencing and Trellising of Organic Crops	\$4,300	Stephen Pearce Ohio River Vista Vineyard, Winery & Research Station
FNC07-689	Building on Parasite Resistance Selection in Sheep	\$14,215	Kathy Bielek Misty Oaks Farm
FNC07-695	Evaluation of Production Efficiencies and Market Season Extension Options for RainFresh Harvests Year-Round Production of Herbs and Specialty Vegetables	\$5,750	Barry Adler RainFresh Harvests
FNC07-652	Early Lamb Weaning in a Pasture System to Reduce Summer Parasites and Chemical Dewormer Use	\$5,990	Curt Cline Cline Family Farms
FNC06-602	Marketing Bison as a Healthier Red Meat Alternative	\$5,985	Lyle Keller
FNC06-608	Organic Control of Fungus in Vineyards, Eliminating Chemical Sprays	\$6,000	Stephen Pearce Ohio River Vista Vineyard, Winery & Research Station
FNC06-613	The Next Step for yourfarms.com- A Local Marketing Cooperative Promoting Local Foods and Local Farms	\$18,000	Bill Harra
FNC06-621	Harvesting Honey For Direct Marketing	\$6,000	Lori McDole
FNC06-638	Freshwater Shrimp: Improved Nursery Technology Project	\$6,000	Bob Calala Calala's Water Haven
FNC06-640	Season Extension of Hay-Mulched Potatoes Using High Tunnels	\$5,990	Scott Salvage
FNC05-586	Development of <i>Notropis spilopterus</i> (spotfin shiner) Aquaculture Propagation Methods and Techniques	\$6,000	Steven C. Snyder

FNC05-547	Reducing Dependence on Non-Renewable Energy by Using Biodiesel Instead of Petrol-Diesel	\$6,000	Micheal Roberts
FNC05-553	Measuring and Comparing the Impacts of Various Weed Control Methods on Field Restoration	\$4,611	Eric Johnson
FNC05-558	Two-Queen System within a Colony of Honeybees to Increase Honey Production, Protect Hive Health and Increase Revenues	\$6,000	James Kerns
FNC05-564	Grazing Forages High in Condensed Tannins and its Effect on Fecal Egg Counts in Meat Goats	\$6,000	Mark Scarpitti
FNC05-571	Black Walnut Hulls: Turning Trash into Treasure	\$5,847	Christopher Chmiel Integration Acres Ltd.
FNC05-581	Evaluating Winter Cover Crops for the Environment and for Profit	\$14,132	Steve Ellerbrock
FNC05-583	Selecting Sheep for Parasite Resistance	\$17,950	Kathy Bielek Misty Oaks Farm
FNC04-528	Organic Food Trail	\$5,624	Tim Patrick
FNC04-510	RainFresh Harvests Year-Round Food Production System for Central Ohio	\$5,850	Barry Adler RainFresh Harvests
FNC04-512	Use of Acid Reclaimed Mine Land for Commercial Blueberry Production	\$6,000	Patricia Tillis Tillis Highlands Farm
FNC04-522	Development of a Sustainable Hazel Nut Production Industry for Noble County, Ohio	\$4,590	C. Linda Slater
FNC04-523	Sustainable Internal Parasite Control for Sheep in a Forage Based System	\$5,580	Kathy Bielek Misty Oaks Farm
FNC03-456	Culinary and Ornamental Herbs- Adding to a Grain and Livestock Family Farming Operation	\$5,500	Jody Rauch
FNC03-466	Sustainable Adapted Year-Round Production of Chemical-Free Strawberries	\$5,600	Mike Neeley
FNC03-468	Development and Testing of a Mycorrhizal Inoculum for Ericaceous Ornamental and Small Fruit Crops	\$5,100	Richard Poruban The Poruban Nursery
FNC03-490	Developing a Large-Scale Rotational Grazing System to Improve the Sustainability of and Profitability of a Cow-Calf Operation in Appalachia	\$6,000	John Lehman Washington Farms, Ltd

FNC02-394	Agroforestry Practices of Ginseng and Goldenseal in Natural Stand of Hardwood Forest Trees	\$5,788	Jack Oxenrider
FNC02-403	Planning for Profitable and Sustainable Fiber Markets in Northeast Ohio	\$2,709	Fred Maier
FNC02-406	Northeastern Ohio Local Warehouse Distribution and Marketing Initiative	\$17,700	Dean McIlvaine
FNC02-413	Sustainable Blueberry Production Using Geotextile Fabric and Gravel Mulch for Weed/Water Management	\$5,475	William Nose
FNC02-414	Chinese Medicinal Plant Project	\$15,000	Cindy Riviere
FNC02-416	Country Living Field Day: A Method to Educate Farmers About Sustainable Agriculture Alternatives	\$18,000	Bob Givens
FNC02-420	Testing Food Grade Soybeans for Japanese Market	\$3,000	Perry Clutts
FNC02-388	Southern Ohio Shrimp Project	\$4,579	Polly Creech Polly's Prawns
FNC02-425	Research and Development of a Small Farm Maple Syrup Operation in Jefferson Township, Montgomery County, Ohio	\$4,368	Clifton Williams
FNC01-336	Culinary Herbs for Direct Marketing	\$4,996	Jamey Rauch
FNC01-370	Micro Bakery	\$5,000	Carol Busson
FNC01-371	Using Animals to Manage Pawpaw Patches	\$4,960	Christopher Chmiel Integration Acres Ltd.
FNC01-372	Extending the Fall and Winter Grazing Period Using Turnips, Grazing Corn, and Rye	\$4,955	Jim Hoorman Ohio State University
FNC01-373	Building a High Value Market for the Whole Lamb	\$8,310	James Anderson
FNC01-381	Vermicompost of Agricultural Wastes into an Efficient Plant Growth Media in Order to Create a Sustainable Production System	\$2,310	Andrzej Kazek
FNC00-330	Developing a Farm Marketing Association to Support Sustainable Agricultural Enterprises	\$3,860	Tom Puch

FNC00-298	Winter Speaker Series for the Homerville Wholesale Produce Auction Growers	\$4,900	F W Owen
FNC00-310	Maximizing Profits by Grazing a Winter Cover Crop and Monitoring Nutrient Availability for the Subsequent Corn Crop	\$4,250	Christine Howard
FNC00-315	Increasing Production in Native Stands of Pawpaws	\$4,999	Christopher Chmiel Integration Acres Ltd.
FNC00-316	Best Cultivation Practices for At-Risk Medicinal Herbs	\$11,138	Charlie Hamber
FNC00-317	Cooperation Approach, of Farmer and Chef, to Create a Profitable Niche Market for the Small Farm that Would Increase the Variety and Use of Specialty Potatoes	\$2,398	Monica Bongue
FNC00-318	Low Input, Energy Efficient Greenhouse Construction Workshop Suitable for Northeastern Ohio	\$4,635	Ted Bartlett Silver Creek Farm
FNC99-247	Evaluating Corn Varieties for Ohio Organic Farmers	\$12,025	Charlie Eselgroth Innovative Farmers of Ohio
FNC99-269	Cereal Rye Cover Crop for Control of Onion Grasses (<i>Allium</i> spp.)	\$2,777	Trevor Polley Long Branch Farm
FNC99-274	Evaluating Sustainable Ag Products in Relationship to Cation Exchange Capacity and Base Saturation	\$5,000	Philip Price
FNC99-276	Producing White Asparagus	\$2,290	Rich Tomsu
FNC98-214	Alternate Vegetable Crop Irrigation System for Remote Areas	\$2,110	Kevin Smyth
FNC98-241	Sustainable Viticulture for Midwestern Fruit Growers	\$5,000	Gene Sigel Chalet Debonne Vineyards
FNC97-197	Linking Sustainable Agriculture Production with Low-income Consumer and Minorities	\$9,195	Eric Stewart
FNC96-136	Multiple-site Evaluation of Cover Crops Established in Wheat Stubble	\$9,613	Rich Bennett
FNC96-141	Alternative Management Strategies for European Red Mite in North Central Ohio Apple Orchards	\$9,722	Richard Eshleman
FNC95-104	Protecting Beneficial Arthropods in Ohio Orchards	\$4,995	Bradley Phillips

FNC95-105	Building Community in CSAs: A Canning Project	\$4,963	Ted Bartlett Silver Creek Farm
FNC95-108	Measuring Benefits of Hairy Vetch Cover Crop for Corn Production and Evaluating a Portable Soil Nitrate Test Kit	\$1,815	Rich Bennett
FNC95-118	Free-range Poultry: Production and Marketing	\$4,690	Linda Lee
FNC94-062	Utilizing Chopped Waste Paper for Bedding in a Hog Operation	\$1,200	Daryl Bridenbaugh
FNC92-026	Evolution of Rotary Spader as Primary Tillage Tool in Various Soils	\$2,430	Christopher Werronen The Lake-Geauga CSA Project (1992) SOLDIERS TO SAWYERS LLC 501C19 PUBLIC CHARITY (2013-2017)

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GNC18-272	I Do Not Think It Means What You Think It Means: Explorations of Mental Models of Soil Health	\$11,810	Dr. Steven Culman Ohio State University Jordon Wade
GNC18-259	Prevention of Avian Pathogenic Escherichia coli (APEC) Infections in Poultry Using Novel Probiotics	\$11,817	Gireesh Rajashekara Dipak Kathayat The Ohio State University
GNC18-260	Combined Effects of Inundative Biocontrol and Anaerobic Soil Disinfestation (ASD) Using Non-Host Cover Crops as Carbon Sources for Clubroot Management in Cruciferous Crops	\$11,995	Dr. Sally Miller The Ohio State University, Dept of Plant Pathology Ram Khadka The Ohio State University, Department of Plant Pathology
GNC17-246	Lady beetle in the city: Does diet overlap explain patterns of Native Lady Beetle Abundance in urban farms and greenspaces?	\$11,924	Mary Gardiner The Ohio State University Denisha Parker The Ohio State University
GNC17-248	Entomopathogenic Nematode Control of the Asiatic Garden Beetle, <i>Maladera castanea</i> , in Corn	\$11,995	Kelley Tilmon The Ohio State University Adrian Pekarcik The Ohio State University
GNC16-230	Augmentative Biological Control of Spider Mites on Hops	\$11,432	Celeste Wetly Ohio State University Susan Ndiaye The Ohio State University
GNC16-233	Next Generation Bees: Determining the Floral Resources that Support Wild Bee Reproduction and Pollination Services in Urban Agriculture	\$11,930	Mary Gardiner The Ohio State University Katherine Todd The Ohio State University Rodney Richardson
GNC13-180	Pesticide Contamination of Bees: Determining the Diversity and Concentration of Compounds found in Hives Located across Ohio Agricultural Landscapes	\$9,980	Mary Gardiner The Ohio State University Larry Phelan Ohio State University Scott Prajzner The Ohio State University - OARDC

GNC12-161	Efficacy of Naturally Occurring Anthelmintics in Fruit By-Products to Control Intestinal Parasites in Small Ruminants	\$9,900	Dr.Maurice Eastridge The Ohio State University Shirron LeShure The Ohio State University
GNC10-143	Measuring the Ecological and Economic Costs & Benefits of Native Perennial Floral Strip Addition on Beneficial Insect Abundance & Arthropod-mediated Ecosystem Services within Ohio	\$9,527	Mary Gardiner The Ohio State University Ben Phillips Ohio State University
GNC08-093	Recycling Nutrients with Cover Crops to Decrease Hypoxia/Eutrophication while Promoting Sustainable Crop Production	\$10,000	Dr.Khandakar Islam The Ohio State University South Centers Jim Hoorman Ohio State University
GNC07-084	The Impact of Beauveria bassiana, Trichogramma, Bt Sprays, and Spinosad on the Lepidopteran (Crambidae) Cereal Stalk Borer- The European Corn Borer (Ostrinia nubilalis)	\$10,000	Daniel Pavuk Bowling Green State University Rostern Tembo Bowling Green State University
GNC07-073	Land Management Strategies for Watershed Restoration: An Integration of Spatial Modeling with Dynamic Programming	\$9,004	Brent Sohngen The Ohio State University Dr.Sujithkumar Surendran Nair Post Doctoral Researcher
GNC06-070	Sustaining the Family Farm at the Rural Urban Interface: Farm Succession Processes of Alternative Food and Agricultural Enterprises and Traditional Commodity Farmers.	\$9,995	Jeff Sharp Ohio State University Shoshanah Inwood Ohio State University
GNC05-052	Expanding local participation in conservation programs: Examining factors affecting conservation adoption among Old Order Amish in the Sugar Creek Watershed	\$9,822.60	Richard Moore Ohio State University Dr.Jason Parker The Ohio State University
GNC04-025	Factors associated with support for local food systems: The significance of class position	\$8,315	Jeff Sharp Ohio State University Molly Bean The Ohio State University, Rural Sociology Program
GNC04-030	Assessing Agricultural Soil Health and Sustainability of Different Management Practices Using Profiles of Bacterial Communities	\$9,912	Warren Dick The Ohio State University-OARDC Sougata Bardhan The Ohio State University-OARDC
GNC04-035	Control of adult striped cucumber beetle with a natural enemy parasitoid and an insect parasitic nematode	\$8,564	Celeste Wetly Ohio State University Stephanie Miller The Ohio State University
GNC03-015	Comparative Strategies for Accelerated Wetland Restoration on Agricultural Land	\$10,000	Martin Quigley Joshua Smith Ohio State University
GNC03-016	Comparing Antimicrobial Usage in Commercially-Raised and Organically-Raised Chickens and Turkeys and the Development of Antimicrobial Resistance in Campylobacter jejuni	\$10,000	Teresa Morishita Taradon Luangtongkum The Ohio State University
GNC02-008	Meat Goat Production from Traditional and Non-Traditional Forage Species Mixtures	\$10,000	David Barker Ohio State University Megan Burgess The Ohio State University

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
ONC18-041	Supporting Grape IPM Implementation in Ohio Vineyards Using the Network for Environment and Weather Applications (NEWA)	\$29,523	Melanie Ivey The Ohio State University
ONC18-047	Making sense of Soil Health Reports – A partnership to develop recommendations for soil health testing, interpretation	\$29,980	Alan Sundermeier Ohio State University Extension

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
CNE07-035	Southern Ohio alternative energy development	\$9,652	John Hemmings Ohio Valley Regional Development Commission

YOUTH EDUCATOR GRANTS

Project #	Project Title	SARE support	Project Leaders
YENC18-121	SIMBA/SIMSA Youth Urban Farming	\$2,000	Norman Brown
YENC17-115	Pioneer Pollinators	\$969	Jennifer Johnston Zane Trace HS
YENC16-107	Foodbanking and Farming with Dayton's Youth	\$2,000	Lee Lauren Truesdale The Foodbank, Inc.
YENC15-083	Healthy Growing, Healthy Eating: Youth gardening program	\$2,000	Kathrine Morris Famicos Foundation
YENC14-070	Scioto River Valley Sustainable Agriculture Youth Day	\$2,000	Brad Bergefurd OSU Extension
YENC14-072	Community Giving Garden	\$1,978	April Hoy Stratford Ecological Center
YENC13-062	Advocating for Sustainable Agriculture in Grades K-12	\$2,000	Stephanie Jolliff Ridgmont FFA
YENC13-067	Sustainable Agriculture: Instruction, Application, and Community Outreach Utilizing Recirculating Aquaponics Systems	\$2,000	Dr. Kevin Savage Cincinnati Hills Christian Academy
YENC10-027	Direct Marketing Raspberries for a Healthy Community	\$1,977	Rodney Throckmorton Lighthouse Youth Center
YENC09-018	Youth Driven Community Service Garden	\$1,975	April Hoy Stratford Ecological Center

YOUTH GRANTS

Project #	Project Title	SARE support	Project Leaders
YNC10-056	Hatching Heritage Breed Turkeys and Raising Pasture Poultry	\$367	JoAnn Grum youth
YNC10-061	Raising Bobwhite Quail	\$325	Steve Groff Individual

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
NCOH17-001	Ohio Annual State Report	\$110,000	Mike Hogan OSU Extension

**Total funding from the USDA SARE program to
Ohio
\$6,179,925**



For further information on projects, contact North Central SARE at (612) 626-3113 or ncrsare@umn.edu.

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