



# AGRICULTURE PROJECTS FUNDED IN OHIO

by USDA's  
Sustainable Agriculture Research and Education (SARE) Program  
1988-2019

Ohio has been awarded \$6,913,350 grants to support 229 projects, including but not limited to, 42 research and/or education projects, 18 professional development projects and 127 producer-led projects. Ohio has also received additional SARE support through multi-state projects.

## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">LNC19-417</a>	Towards Resilient and Sustainable Grape Production in the North Central Region with Renewable Mulching Systems	\$199,971	Dr.Imed Dami Ohio State University
<a href="#">LNC19-428</a>	Sustainable production and marketing using the cooperative model for a student-managed school farm cooperative	\$161,632	Hannah Scott The Ohio State University College of Food, Agricultural, and Environmental Sciences Center for Cooperatives
<a href="#">LNC18-401</a>	Assessing Soil Fertility and Soil Health in Midwest Hop Production	\$98,561	Dr.Steven Culman Ohio State University
<a href="#">LNC17-393</a>	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
<a href="#">LNC16-380</a>	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
<a href="#">LNC16-384</a>	Creating an Educational and Economic Value Chain for Specialty Dairy Products in Appalachian Ohio	\$165,500	Tom Redfern Rural Action
<a href="#">LNC13-351</a>	Neonatal Calf Diarrhea: Reducing Impacts and Antibiotic Use with Natural Therapies	\$142,375	Dr.Greg Habing The Ohio State University
<a href="#">LNC11-331</a>	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
<a href="#">LNC08-292</a>	Marketing Apple Diversity	\$121,200	Dr.Diane Miller OARDC/Ohio State University
<a href="#">LNC08-306</a>	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
<a href="#">LNC07-288</a>	Growing Organics: Integrating Science, Farmer Indigenous Knowledge, and	\$140,415.75	Mike Anderson

	Experience in Expanding Organic Production in Ohio		Ohio Ecological Food and Farm Association Dr.Carol Goland Ohio Ecological Food and Farm Association
<a href="#"><u>LNC06-272</u></a>	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
<a href="#"><u>LNC05-256</u></a>	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
<a href="#"><u>LNC05-252</u></a>	Wisdom in the Land	\$92,560	Sharon Sachs Innovative Farmers of Ohio
<a href="#"><u>LNC04-240</u></a>	Weed Management in Organic Conservation Tillage/No Tillage	\$146,314	John Cardina Ohio State University
<a href="#"><u>LNC04-243</u></a>	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
<a href="#"><u>LNC03-233</u></a>	Financial Implications of Non-toxic Endophyte-infected Fescue Pasture: Establishment Costs and Livestock Returns	\$149,555	David Barker Ohio State University
<a href="#"><u>LNC03-236</u></a>	Variety Evaluation, Selection and Management for Organics Vegetable Systems	\$98,861	Matthew Kleinhenz The Ohio State University-OARDC
<a href="#"><u>LNC02-207</u></a>	Whole Systems Approach to Building a Sustainable Regional Food Economy	\$99,596	Brad Masi Ecological Design Innovation Center
<a href="#"><u>LNC02-208</u></a>	Improving Livestock and Grain Farms' Environmental Quality through Watershed Headwaters Learning Communities	\$24,500	Richard Moore Ohio State University
<a href="#"><u>LNC02-221</u></a>	Ecology and Cultivation of Non-Timber Forest Products in Appalachia	\$100,000	Brian McCarthy Ohio University
<a href="#"><u>LNC01-183</u></a>	Integrating cover crop mulches in commercial pumpkin production in the Midwest.	\$9,716	Christian A. Wyenandt The Ohio State University
<a href="#"><u>LNC01-189</u></a>	Building Diverse Markets and Strong Businesses with Limited-Means Farmers	\$50,636	Colin Donohue Rural Action
<a href="#"><u>LNC01-199</u></a>	Improving Livestock and Grain Farms' Contribution to Environmental Quality through Headwaters Learning Communities	\$24,500	Richard Moore Ohio State University
<a href="#"><u>LNC00-175</u></a>	Linking soil quality, plant health, and animal nutrition on dairy farms through	\$110,000	Charlotte Bedet Innovative Farmers of Ohio

	energy and nitrogen balance		
<a href="#"><u>LNC98-141</u></a>	Biological Control of Bacterial Diseases of Vegetable Crops	\$98,000	Dr.Sally Miller The Ohio State University, Dept of Plant Pathology
<a href="#"><u>LNC98-129</u></a>	Strengthening Farms on the Edge: Developing Rural/Urban Partnerships	\$29,450	Rebecca Cline-Seese
<a href="#"><u>LNC97-118</u></a>	Use of Cover Crop Practices to Control Weeds in Integrated Lower-Chemical Input Systems of Vegetable Production	\$87,823	Jeff Dickinson Stratford Ecological Society
<a href="#"><u>LNC96-099</u></a>	Biological Control of Foliar Diseases and Fruit Rots of Tomato	\$103,580	Dr.Sally Miller The Ohio State University, Dept of Plant Pathology
<a href="#"><u>LNC95-091</u></a>	Integrating Quality of Life, Economic, and Environmental Issues: Agroecosystem Analysis of Amish Farming	\$40,800	Deborah Stinner Dept. of Entomology, OARDC, Ohio State University
<a href="#"><u>LNC94-047.1</u></a>	Further Development of Innovative and Practical Education in Sustainable Agriculture in Ohio	\$98,094	Clive Edwards Ohio State University, Sustainable Agriculture Program
<a href="#"><u>LNC94-068</u></a>	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
<a href="#"><u>LNC94-069</u></a>	The Role of Soil Management in Crop Nutritional Quality and Susceptibility to Pests	\$95,232	Larry Phelan Ohio State University
<a href="#"><u>LNC94-070</u></a>	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)
<a href="#"><u>LNC92-047</u></a>	Innovative Approaches to Practical Education in Sustainable Agriculture	\$112,390	Clive Edwards Ohio State University, Sustainable Agriculture Program
<a href="#"><u>LNC91-033</u></a>	LISA as Applied to Vegetable Production Systems	\$77,279	Mark Bennett Ohio State University
<a href="#"><u>LNC91-037</u></a>	Comparative Economic and Ecological Analyses of Lower Chemical Input Fruit Farms and Other Fruit Farming Systems	\$110,610	Jeff Dickinson Stratford Ecological Society
<a href="#"><u>LNC90-026</u></a>	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)
<a href="#"><u>LNC89-015.1</u></a>	An Integrated Research/Extension Program in Low-Input Crop Production in Ohio	\$40,000	Donald Eckert Ohio State University
<a href="#"><u>LNC88-008</u></a>	Sustainable Agricultural Education Display Systems	\$4,000	Clive Edwards Ohio State University, Sustainable Agriculture Program
<a href="#"><u>LNC88-015</u></a>	A Research/Extension Awareness	\$38,000	Donald Eckert

	Program for Low-Input Agriculture in Ohio		Ohio State University
<a href="#">LNC88-003</a>	Low-Input Ridge Tillage System for the Corn Belt	\$24,300	Randall Reeder Ohio State University

#### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">ENC19-185</a>	Professional Development for Ohio Farmers Market Managers and OSU Extension Educators on Creating a Culture of Data Collection for Sustainability Planning for Markets and Farmers	\$81,316	Christie Welch The Ohio State University Extension
<a href="#">ENC18-172</a>	Solar Electric Investment Analysis for Small Farms	\$74,364	Eric Romich Ohio State University
<a href="#">ENC13-139</a>	Education for Veterinarians, Extension Educators and Other Agricultural Professionals on Organic Livestock Health	\$74,592	Dr.Carol Goland Ohio Ecological Food and Farm Association
<a href="#">ENC12-134</a>	Beyond Season Extension: High Tunnels for Season Creation and Economic, Community, and Environmental Sustainability	\$75,000	Tom Redfern Rural Action
<a href="#">ENC10-115</a>	Retail Ready & Wholesale Ready	\$67,337	Julie Fox The Ohio State University
<a href="#">ENC10-118</a>	Training professionals on sustainable agriculture for enhanced ecosystem service from the ground up	\$65,900	Dr.Khandakar Islam The Ohio State University South Centers
<a href="#">ENC10-120</a>	Integrated Sustainable Dairy Program	\$59,266	Dr.Gustavo Schuenemann Veterinary Extension
<a href="#">ENC06-093</a>	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
<a href="#">ENC05-085</a>	Creating Capacity to Confront Invasive Plants as Barriers to Economic Productivity and Environmental Sustainability	\$75,000	Tom Redfern Rural Action
<a href="#">ENC02-067</a>	Developing Capacity and Nurturing Leadership to Assist Producers in Transitioning to Sustainable Marketing Systems	\$62,152	Laura Ann Bergman Innovative Farmers of Ohio
<a href="#">ENC01-056</a>	Forest Meets Farm: Profitable New Crops for Small Farms in Forested Ohio	\$47,743	Scott Bagley Rural Action, Inc.
<a href="#">ENC99-040</a>	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

<a href="#">ENC98-033</a>	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
<a href="#">ENC98-035</a>	Workshops on Land Use and Farmland Policy	\$48,247	Kevin Schmidt American Farmland Trust
<a href="#">ENC97-027</a>	Professional Training in Soil Quality	\$15,400	Stephen Baertsche Ohio State University Extension
<a href="#">ENC96-013</a>	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
<a href="#">ENC95-003</a>	Grazing Systems for Sustainable and Profitable Agriculture	\$92,100	Henry Bartholomew Ohio State University Extension
<a href="#">ENC95-003A</a>	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
<a href="#">FNC19-1191</a>	The use of <i>Bacillus thuringiensis</i> spp. as a Biological Control for Small Hive Beetles ( <i>Aethina tumida</i> ) and Wax Moths ( <i>Galleria mellonella</i> and <i>Achroia grisella</i> ) inside Beehives	\$9,000	Nadia Ruffin Quiwi Produce
<a href="#">FNC19-1183</a>	Permaculture Pond Restoration	\$7,240	Sasha Miller Purplebrown Farmstead
<a href="#">FNC19-1186</a>	Comparing the Effectiveness of Four Advertising Channels: The Case Study of a Young Rural Beef Cooperative	\$25,530	Lori Nethero Buckeye Valley Beef Cooperative
<a href="#">FNC18-1135</a>	Figs as a Niche Crop in Northern Ohio	\$7,494	Timothy Malinich Hearthstone Berry Farm
<a href="#">FNC18-1139</a>	Viability of Black Soldier Fly Larvae Production for Rabbit Waste Mitigation and as a Gamebird Protein Supplement	\$7,151	JERAH PETTIBONE Pettibone Urban Game
<a href="#">FNC18-1142</a>	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	Jeanne Saum Saum's Mini-Farm and Apiary
<a href="#">FNC18-1146</a>	Mad About Saffron: Growing A Valuable Global Seasoning In The Midwest	\$14,927	Rachel Tayse Harmonious Homestead LLC
<a href="#">FNC18-1148</a>	Optimal Hop Harvest Timing	\$12,005	David Volkman Ohio Valley Hops LLC

<a href="#">FNC17-1103</a>	Mobile Hop Dryer	\$7,500	David Volkman Ohio Valley Hops LLC
<a href="#">FNC17-1071</a>	Evaluation of Semen Extenders for the Preservation and Shipment of Chilled Ram Semen	\$7,089	Donald Brown Promised Land & Livestock Co.
<a href="#">FNC17-1077</a>	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 Greentan Farm
<a href="#">FNC16-1061</a>	Could Wort Serve as a Viable Soil Amendment?	\$7,452	Richard Stewart Carriage House Farm
<a href="#">FNC16-1024</a>	Growing Mealworms as a Fish Feed for Sustainable Aquaponics	\$3,467	Barry Adler RainFresh Harvests
<a href="#">FNC16-1025</a>	Economic Implications of Using Tomato Suckers to Produce Late Season Tomato Plants instead of Starting Late Season Plants from Seed	\$5,318	Sandy Ashmore That Guys Family Farm
<a href="#">FNC16-1040</a>	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
<a href="#">FNC16-1044</a>	Field Testing The Mulberry for Commercial Production in the Midwest	\$7,481	Weston Lombard Solid Ground Farm
<a href="#">FNC16-1045</a>	Viability of Using a Low Energy Air Pump to Aerate Freshwater Prawn Ponds	\$7,477	Don Maloney Don's Prawns & More
<a href="#">FNC16-1056</a>	Formalizing Partnerships to Scale-up Value-added Local Food in Rural Ohio	\$7,500	Jeanine Seabrook Glass Rooster Cannery
<a href="#">FNC15-1003</a>	In pond substrate to increase yield and size of freshwater prawns	\$7,477	Don Maloney Don's Prawns & More
<a href="#">FNC15-1008</a>	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
<a href="#">FNC15-1016</a>	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
<a href="#">FNC15-1017</a>	Food Waste For Farms	\$21,800	Abbe Turner Lucky Penny Farm
<a href="#">FNC15-984</a>	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

<a href="#">FNC15-987</a>	North Coast Lamb Co-op: Using Carcass Scanning for Producer Production Criteria	\$20,526	Laura DeYoung The Spicy Lamb Farm
<a href="#">FNC15-995</a>	A Model for Mitigating Giant Ragweed on Certified Organic Operations: Ag Engineering and Farm Tours	\$7,500	Michelle Gregg Code One Compliance
<a href="#">FNC14-962</a>	Feeding Freshwater Prawns through Mechanical Means to Increase Yields and Size	\$7,477	Don Maloney Don's Prawns & More
<a href="#">FNC13-899</a>	Development of a Cooperative Food Distribution Model for Small Farms	\$22,500	Alicia Bongue Muddy Fork Farm LLC
<a href="#">FNC13-901</a>	Training farmers to perform artificial insemination in sheep	\$19,980	Don Brown Farmer
<a href="#">FNC13-916</a>	Alley cropping in a hillside terrace system	\$2,833.79	Weston Lombard Solid Ground Farm
<a href="#">FNC13-937</a>	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.
<a href="#">FNC12-871</a>	Sustainable Sweet Corn Production	\$5,574	Marissa Kruthaup Kruthaup Family Farm
<a href="#">FNC12-882</a>	Variable Width Vegetative Buffers	\$7,482	Tony Murry, Jr. Murry Farms
<a href="#">FNC12-884</a>	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
<a href="#">FNC12-847</a>	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
<a href="#">FNC12-848</a>	Utilizing Homegrown Nitrogen from Legume Cover Crops for Corn Production	\$22,500	Jim Hoorman Ohio State University David brandt
<a href="#">FNC12-851</a>	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
<a href="#">FNC12-865</a>	Preservation and Diversification of Heirloom and Antique Apple Varieties in Southern Ohio	\$4,395	Jo Huff Hillgate Farm
<a href="#">FNC12-869</a>	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



<a href="#">FNC10-819</a>	Increasing lavender production and oil producers through the use of hoop housing and soil amendments	\$6,000	Mike Prell Peaceful Acres Lavender Farm, LLC
<a href="#">FNC10-820</a>	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
<a href="#">FNC10-825</a>	Adding Value to Vegetables Through Live Fermentation.	\$6,000	Christopher Chmiel Integration Acres Ltd.
<a href="#">FNC10-794</a>	Breeding Strategies for Improving Resistance to Gastrointestinal Nematodes in Wool Breeds of Sheep	\$17,640	Kathy Bielek Misty Oaks Farm
<a href="#">FNC10-797</a>	Mulching with wool: opportunities to increase production and plant viability against pest damage while creating new regional markets for kempy (unsalable) wool.	\$5,994.75	Melinda O'Briant Turner Farm Katie Charlton-Perkins Turner Farm
<a href="#">FNC10-818</a>	Livestock heavy use pad made from sawmill byproducts.	\$5,780	Brian Welch NA
<a href="#">FNC09-780</a>	Ohio Sheep Milk and Cheese Initiative	\$16,885	Abbe Turner Lucky Penny Farm
<a href="#">FNC09-783</a>	Testing the Feasibility of Maple Syrup Production on Southern Ohio Family Farms	\$5,970	Christine Tailer
<a href="#">FNC09-786</a>	Using Hydroponic Green Forage to Reduce Feed Costs in Natural Pork Production	\$6,000	Jack Donnelly
<a href="#">FNC09-756</a>	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
<a href="#">FNC09-789</a>	Promoting the availability, growing, and processing of healthy, locally produced food using low cost, low tech equipment	\$5,340	Julie Kline
<a href="#">FNC09-761</a>	Partnerships in Food Waste Reduction through Vermiculture	\$5,739.96	Jeremy Gedert One20 Farm
<a href="#">FNC09-792</a>	Linking Local Food and Forests: Making the Connection with Bio-Char	\$17,983	Jonathan Sowash
<a href="#">FNC09-772</a>	Elderberry Trials for Northern Ohio Growers; Demonstrations and Evaluations to Encourage Diversification	\$1,953	Timothy J Malinich The Ohio State University Extension
<a href="#">FNC09-774</a>	Demonstrating Higher Yields and Market Opportunities of Mixed Annual and Perennial Intensive Planting in Appalachian Ohio	\$5,909.80	Michelle Ajamian
<a href="#">FNC09-775</a>	Transitioning to Sustainable Agriculture	\$18,000	Jeff Rasawehr



	Using Continuous No-Till and Cover Crops		
<a href="#">FNC08-743</a>	Non-traditional Vineyard Canopy Management for Increased Crop Yield and Improved Fruit Quality	\$6,000	Stephen Pearce Ohio River Vista Vineyard, Winery & Research Station
<a href="#">FNC08-744</a>	Community Orchards and Fruit Diversity and Proliferation Project	\$5,990	Michael St. Amour
<a href="#">FNC08-700</a>	A sustainable approach for replacing winter honey bee colony losses using locally produced nucleus bee hives overwintered in polystyrene boxes	\$1,606.23	Joseph Latshaw
<a href="#">FNC08-708</a>	Using Oilseed as Biological Plow to Reduce Soil Compaction and Recycle Nutrients	\$6,000	David brandt
<a href="#">FNC08-730</a>	A Cooperative Small Farm Effort to meet Local Demand for Staple Seed Crops in the Appalachian Ohio Region	\$18,000	Brandon Jaeger
<a href="#">FNC07-673</a>	Agroforestry: Transforming Unproductive Woodlots Into Productive Livestock Operations.	\$5,709	Ralph and Dawn McNerney Rockin' M Ranch
<a href="#">FNC07-675</a>	Late Blooming-Disease Resistant Apple Breeding	\$8,760	John Lynd
<a href="#">FNC07-684</a>	Sustainable Concrete Post Construction for Fencing and Trellising of Organic Crops	\$4,300	Stephen Pearce Ohio River Vista Vineyard, Winery & Research Station
<a href="#">FNC07-689</a>	Building on Parasite Resistance Selection in Sheep	\$14,215	Kathy Bielek Misty Oaks Farm
<a href="#">FNC07-695</a>	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
<a href="#">FNC07-652</a>	Early Lamb Weaning in a Pasture System to Reduce Summer Parasites and Chemical Dewormer Use	\$5,990	Curt Cline Cline Family Farms
<a href="#">FNC07-663</a>	Growing Highly Nutritious Staple Food Crops Using Intensive and Sustainable Agriculture Systems	\$5,730	Brandon Jaeger
<a href="#">FNC07-670</a>	Field study of technique for combining low-cost, herbicide-free control of woody invasives, in particular Ailanthus altissima, with production of edible mushrooms	\$5,218	Janell Baran
<a href="#">FNC06-608</a>	Organic Control of Fungus in Vineyards, Eliminating Chemical Sprays	\$6,000	Stephen Pearce Ohio River Vista Vineyard, Winery & Research Station
<a href="#">FNC06-613</a>	The Next Step for yourfarms.com- A Local Marketing Cooperative Promoting Local Foods and Local Farms	\$18,000	Bill Harra

<a href="#">FNC06-621</a>	Harvesting Honey For Direct Marketing	\$6,000	Lori McDole
<a href="#">FNC06-638</a>	Freshwater Shrimp: Improved Nursery Technology Project	\$6,000	Bob Calala Calala's Water Haven
<a href="#">FNC06-640</a>	Season Extension of Hay-Mulched Potatoes Using High Tunnels	\$5,990	Scott Salvage
<a href="#">FNC06-602</a>	Marketing Bison as a Healthier Red Meat Alternative	\$5,985	Lyle Keller
<a href="#">FNC05-553</a>	Measuring and Comparing the Impacts of Various Weed Control Methods on Field Restoration	\$4,611	Eric Johnson
<a href="#">FNC05-558</a>	Two-Queen System within a Colony of Honeybees to Increase Honey Production, Protect Hive Health and Increase Revenues	\$6,000	James Kerns
<a href="#">FNC05-564</a>	Grazing Forages High in Condensed Tannins and its Effect on Fecal Egg Counts in Meat Goats	\$6,000	Mark Scarpitti
<a href="#">FNC05-571</a>	Black Walnut Hulls: Turning Trash into Treasure	\$5,847	Christopher Chmiel Integration Acres Ltd.
<a href="#">FNC05-581</a>	Evaluating Winter Cover Crops for the Environment and for Profit	\$14,132	Steve Ellerbrock
<a href="#">FNC05-583</a>	Selecting Sheep for Parasite Resistance	\$17,950	Kathy Bielek Misty Oaks Farm
<a href="#">FNC05-586</a>	Development of Notropis spilopterus (spotfin shiner) Aquaculture Propagation Methods and Techniques	\$6,000	Steven C. Snyder
<a href="#">FNC05-547</a>	Reducing Dependence on Non-Renewable Energy by Using Biodiesel Instead of Petrol-Diesel	\$6,000	Micheal Roberts
<a href="#">FNC04-510</a>	RainFresh Harvests Year-Round Food Production System for Central Ohio	\$5,850	Barry Adler RainFresh Harvests
<a href="#">FNC04-512</a>	Use of Acid Reclaimed Mine Land for Commercial Blueberry Production	\$6,000	Patricia Tillis Tillis Highlands Farm
<a href="#">FNC04-522</a>	Development of a Sustainable Hazel Nut Production Industry for Noble County, Ohio	\$4,590	C. Linda Slater
<a href="#">FNC04-523</a>	Sustainable Internal Parasite Control for Sheep in a Forage Based System	\$5,580	Kathy Bielek Misty Oaks Farm

<a href="#">FNC04-528</a>	Organic Food Trail	\$5,624	Tim Patrick
<a href="#">FNC03-468</a>	Development and Testing of a Mycorrhizal Inoculum for Ericaceous Ornamental and Small Fruit Crops	\$5,100	Richard Poruban The Poruban Nursery
<a href="#">FNC03-490</a>	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
<a href="#">FNC03-456</a>	Culinary and Ornamental Herbs- Adding to a Grain and Livestock Family Farming Operation	\$5,500	Jody Rauch
<a href="#">FNC03-466</a>	Sustainable Adapted Year-Round Production of Chemical-Free Strawberries	\$5,600	Mike Neeley
<a href="#">FNC02-406</a>	Northeastern Ohio Local Warehouse Distribution and Marketing Initiative	\$17,700	Dean McIlvaine
<a href="#">FNC02-413</a>	Sustainable Blueberry Production Using Geotextile Fabric and Gravel Mulch for Weed/Water Management	\$5,475	William Nose
<a href="#">FNC02-414</a>	Chinese Medicinal Plant Project	\$15,000	Cindy Riviere
<a href="#">FNC02-416</a>	Country Living Field Day: A Method to Educate Farmers About Sustainable Agriculture Alternatives	\$18,000	Bob Givens
<a href="#">FNC02-420</a>	Testing Food Grade Soybeans for Japanese Market	\$3,000	Perry Clutts
<a href="#">FNC02-388</a>	Southern Ohio Shrimp Project	\$4,579	Polly Creech Polly's Prawns
<a href="#">FNC02-425</a>	Research and Development of a Small Farm Maple Syrup Operation in Jefferson Township, Montgomery County, Ohio	\$4,368	Clifton Williams
<a href="#">FNC02-394</a>	Agroforestry Practices of Ginseng and Goldenseal in Natural Stand of Hardwood Forest Trees	\$5,788	Jack Oxenrider
<a href="#">FNC02-403</a>	Planning for Profitable and Sustainable Fiber Markets in Northeast Ohio	\$2,709	Fred Maier
<a href="#">FNC01-370</a>	Micro Bakery	\$5,000	Carol Busson
<a href="#">FNC01-371</a>	Using Animals to Manage Pawpaw Patches	\$4,960	Christopher Chmiel Integration Acres Ltd.

<a href="#"><u>FNC01-372</u></a>	Extending the Fall and Winter Grazing Period Using Turnips, Grazing Corn, and Rye	\$4,955	Jim Hoorman Ohio State University
<a href="#"><u>FNC01-373</u></a>	Building a High Value Market for the Whole Lamb	\$8,310	James Anderson
<a href="#"><u>FNC01-381</u></a>	Vermicompost of Agricultural Wastes into an Efficient Plant Growth Media in Order to Create a Sustainable Production System	\$2,310	Andrzej Kazek
<a href="#"><u>FNC01-336</u></a>	Culinary Herbs for Direct Marketing	\$4,996	Jamey Rauch
<a href="#"><u>FNC00-298</u></a>	Winter Speaker Series for the Homerville Wholesale Produce Auction Growers	\$4,900	F W Owen
<a href="#"><u>FNC00-310</u></a>	Maximizing Profits by Grazing a Winter Cover Crop and Monitoring Nutrient Availability for the Subsequent Corn Crop	\$4,250	Christine Howard
<a href="#"><u>FNC00-315</u></a>	Increasing Production in Native Stands of Pawpaws	\$4,999	Christopher Chmiel Integration Acres Ltd.
<a href="#"><u>FNC00-316</u></a>	Best Cultivation Practices for At-Risk Medicinal Herbs	\$11,138	Charlie Hamber
<a href="#"><u>FNC00-317</u></a>	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	Alicia Bongue Muddy Fork Farm LLC
<a href="#"><u>FNC00-318</u></a>	Low Input, Energy Efficient Greenhouse Construction Workshop Suitable for Northeastern Ohio	\$4,635	Ted Bartlett Silver Creek Farm
<a href="#"><u>FNC00-330</u></a>	Developing a Farm Marketing Association to Support Sustainable Agricultural Enterprises	\$3,860	Tom Puch
<a href="#"><u>FNC99-247</u></a>	Evaluating Corn Varieties for Ohio Organic Farmers	\$12,025	Charlie Eselgroth Innovative Farmers of Ohio
<a href="#"><u>FNC99-269</u></a>	Cereal Rye Cover Crop for Control of Onion Grasses (Allium spp.)	\$2,777	Trevor Polley Long Branch Farm
<a href="#"><u>FNC99-274</u></a>	Evaluating Sustainable Ag Products in Relationship to Cation Exchange Capacity and Base Saturation	\$5,000	Philip Price
<a href="#"><u>FNC99-276</u></a>	Producing White Asparagus	\$2,290	Rich Tomsu
<a href="#"><u>FNC98-214</u></a>	Alternate Vegetable Crop Irrigation System for Remote Areas	\$2,110	Kevin Smyth

<a href="#">FNC98-241</a>	Sustainable Viticulture for Midwestern Fruit Growers	\$5,000	Gene Sigel Chalet Debonne Vineyards
<a href="#">FNC97-197</a>	Linking Sustainable Agriculture Production with Low-income Consumer and Minorities	\$9,195	Eric Stewart
<a href="#">FNC96-136</a>	Multiple-site Evaluation of Cover Crops Established in Wheat Stubble	\$9,613	Rich Bennett
<a href="#">FNC96-141</a>	Alternative Management Strategies for European Red Mite in North Central Ohio Apple Orchards	\$9,722	Richard Eshleman
<a href="#">FNC95-104</a>	Protecting Beneficial Arthropods in Ohio Orchards	\$4,995	Bradley Phillips
<a href="#">FNC95-105</a>	Building Community in CSAs: A Canning Project	\$4,963	Ted Bartlett Silver Creek Farm
<a href="#">FNC95-108</a>	Measuring Benefits of Hairy Vetch Cover Crop for Corn Production and Evaluating a Portable Soil Nitrate Test Kit	\$1,815	Rich Bennett
<a href="#">FNC95-118</a>	Free-range Poultry: Production and Marketing	\$4,690	Linda Lee
<a href="#">FNC94-062</a>	Utilizing Chopped Waste Paper for Bedding in a Hog Operation	\$1,200	Daryl Bridenbaugh
<a href="#">FNC92-026</a>	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 (2013-2019)

#### GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">GNC19-278</a>	Evaluation of Biological Control Agents as a Sustainable Disease Management Strategy for Fire Blight Control in Apples in Ohio	\$14,813	Alejandra Jimenez Madrid The Ohio State University Melanie Ivey The Ohio State University
<a href="#">GNC18-272</a>	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
<a href="#">GNC18-259</a>	Prevention of Avian Pathogenic Escherichia coli (APEC) Infections in Poultry Using Novel Probiotics	\$11,817	Gireesh Rajashekara Dipak Kathayat The Ohio State University
<a href="#">GNC18-260</a>	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

<a href="#"><u>GNC17-246</u></a>	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
<a href="#"><u>GNC17-248</u></a>	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
<a href="#"><u>GNC16-230</u></a>	Augmentative Biological Control of Spider Mites on Hops	\$11,432	Celeste Wetly Ohio State University Susan Ndiaye The Ohio State University
<a href="#"><u>GNC16-233</u></a>	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
<a href="#"><u>GNC13-180</u></a>	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
<a href="#"><u>GNC12-161</u></a>	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
<a href="#"><u>GNC10-143</u></a>	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
<a href="#"><u>GNC08-093</u></a>	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
<a href="#"><u>GNC07-073</u></a>	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
<a href="#"><u>GNC07-084</u></a>	The Impact of <i>Beauveria bassiana</i> , Trichogramma, Bt Sprays, and Spinosad on the Lepidopteran (Crambidae) Cereal Stalk Borer- The European Corn Borer ( <i>Ostrinia nubilalis</i> )	\$10,000	Daniel Pavuk Bowling Green State University Rostern Tembo Bowling Green State University
<a href="#"><u>GNC06-070</u></a>	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
<a href="#"><u>GNC05-052</u></a>	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
<a href="#"><u>GNC04-025</u></a>	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
<a href="#">GNC04-030</a>	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
<a href="#">GNC04-035</a>	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
<a href="#">GNC03-016</a>	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
<a href="#">GNC03-015</a>	Comparative Strategies for Accelerated Wetland Restoration on Agricultural Land	\$10,000	Martin Quigley Joshua Smith Ohio State University
<a href="#">GNC02-008</a>	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
<a href="#">ONC19-061</a>	Early Leaf Removal Strategies for Bunch Rot Reduction in Pinot Noir Clones	\$39,977	Andrew Kirk Ohio State University-Ashtabula ARS
<a href="#">ONC19-062</a>	Improving the Honeybee Queen Qualities and Genetic Diversity by Transferring Selected Queen Cells	\$40,000	Dr.Hongmei Li-Byarlay Central State University
<a href="#">ONC18-041</a>	Supporting Grape IPM Implementation in Ohio Vineyards Using the Network for Environment and Weather Applications (NEWA)	\$29,523	Melanie Ivey The Ohio State University
<a href="#">ONC18-047</a>	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
<a href="#">CNE07-035</a>	Southern Ohio alternative energy development	\$9,652	John Hemmings Ohio Valley Regional Development Commission

#### YOUTH EDUCATOR GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">YENC19-142</a>	Cooperative Student Leadership Experience Pilot	\$3,946	Hannah Scott The Ohio State University College of Food, Agricultural, and Environmental Sciences Center for Cooperatives
<a href="#">YENC18-121</a>	SIMBA/SIMSA Youth Urban Farming	\$2,000	Rev. Dr.Norman Brown J. Jireh Development Corp.



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

#### YOUTH GRANTS

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

#### PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">NCOH19-001</a>	Ohio 2019-20 SARE State Plan of Work	\$150,000	Mike Hogan OSU Extension Suzanne Mills-Wasniak Ohio State University Cindy Folck Central State University
<a href="#">NCOH17-001</a>	Ohio Annual State Report	\$110,000	Mike Hogan OSU Extension

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**Total funding from the USDA SARE program to  
Ohio  
\$6,913,350**

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

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