
AGRICULTURE PROJECTS FUNDED IN MICHIGAN
by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2012

Summary: Michigan has received \$5,300,737 to support 188 projects, including but not limited to, 39 research and/or education projects, 17 extension projects and 97 producer-led projects. Michigan also has received additional SARE support through multi-state projects.

State sustainable agriculture extension coordinator(s): Dale R. Mutch, Michigan State University Extension

Project #	Project Title	SARE support	Project Leader	Organization
LNC12-345	A Local Pasture-Based Beef Production System for Northwest Michigan	\$183,435.00	J.E. Rowntree	Michigan State University
LNC12-343	Non-Antibiotic Alternatives for Bovine Mastitis Therapy	\$200,000.00	Bo Norby	Michigan State University
LNC12-344	On-farm Organic Soybean Variety Trials	\$200,000.00	Dan Rossman	Michigan State University
LNC11-330	Combining Strip-Tillage and Cover Crops for Resource Conservation and Profit in North Central Vegetable Cropping Systems	\$169,853.00	Daniel Brainard	Michigan State University
LNE09-278	Northeast SARE Farmer, Partnership and Sustainable Community Grant Evaluation	\$55,651.00	Susan Smalley	Mott Group for Sustainable Food Systems at MSU
LNC08-297	Native Plant Conservation Strips for Sustainable Pollination and Pest Control in Fruit Crops	\$148,837.00	Rufus Isaacs	Michigan State University
LNC08-307	Diversity - the Continuing Face of Sustainable Agriculture	\$100,000.00	Barbara Norman	Michigan Food and Farming Systems
LNC08-302	Connecting Landowners, Growers and Markets Using Purchase of Development Rights (PDR)	\$20,900.00	Barry Lonik	Ann Arbor Charter Township
LNC07-281	Developing pest management guidelines for organic production of highbush blueberries in the North Central Region	\$149,991.00	Annemiek Schilder	Michigan State University

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LNC07-276	No-till pumpkins using cover crops	\$131,420.00	Dale Mutch	Michigan State University
LNC06-267	Farmers' Markets: A Real Opportunity for Michigan Fruit and Vegetable Growers	\$76,600.00	Jim Bingen	Michigan State University Community, Agriculture, Recreation and Resource Studies
LNC06-268	Examining the Sustainability of Copper Use for Disease Management and Horticultural Benefit in Tart Cherry Systems	\$145,500.00	George Sundin	Michigan State University Plant Pathology
LS05-214	SARE Research and Education Program Impacts and Diffusion	\$31,526.00	Murari Suvedi	Michigan State University
LNC04-244	Integrating Cropping and Nutrient Management Systems on Grass-Based Dairies with Manure Slurry Enriched Micro-Site Seeding	\$137,849.00	Timothy Harrigan	Michigan State University
LNC04-249	Utilizing Native Plants to Enhance Insect and Weed Biological Control	\$150,000.00	Douglas Landis	Michigan State University
LNC04-251	One Year's Seeding: A Seedbank Approach to Sustainable Weed Management	\$149,903.00	Karen Ann Renner	Michigan State University
LNC03-234	Calcium Inputs for Soil Quality Improvement	\$102,771.00	Bernard Knezek	Michigan State Univ.
LNC02-215	Multi-Cultural Farmer Mentors	\$99,880.00	Tom Guthrie, Jr	Michigan Integrated Food & Farming Systems
LNC02-217	User/Grower Educational Materials and Training for Polyethylene Film High Tunnel Winter Production and Harvesting of Organic Salad Greens and Vegetables	\$43,274.00	John Biernbaum	Michigan State University Department of Horticulture
LNC02-203	Determining Adaptation of Mono- and Binary Mixtures of Improved Red and Ladino Clovers and Perennial Grasses, Including Perennial Ryegrasses, in the Great Lakes Region	\$94,344.00	Richard Leep	Michigan State University

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LNC01-186	Educational Materials and Training that Foster Implementation of Ecologically Based Pest Management Decision-Making in Great Lakes Apple Production	\$63,117.00	David Epstein	Michigan State University
LNC01-187	Earthworks Garden and Poultry Urban CSA	\$99,706.00	Jason Fligger	Hunger Action Coalition
LNC01-195.1	Innovative Tart Cherry Orchard Systems: Design, Evaluation, and Demonstration	\$90,742.00	David Epstein	Michigan State University
LNC99-159	Financial Indicators of Sustainability on Michigan Farms	\$27,900.00	John Durling	Michigan Agricultural Stewardship Assn./MSU Crop Soil Sciences Dept
LNC98-139	Innovative Tart Cherry Orchard Systems: Design, Evaluation, and Demonstration	\$75,000.00	Charles Edson	IPM Program, Michigan State University
LNC97-112	Enhancing Adoption of Sustainable Agriculture Practices via Farmer-Driven Research	\$100,405.00	Dale Mutch	MSU Kellogg Biological Station
ANC95-031	Michigan 1995 Late Blight Education and Management Plan	\$25,000.00	Ben Kudwa	Michigan Potato Industry Commission
LNC95-085	Ecological Principles of Habitat Management for Weed and Insect Biological Control	\$94,923.00	Douglas Landis	Michigan State University
LNC95-082	Domestic Birds as Weed and Insect Pest Biocontrol Agents: Field Experimentation and On-Farm Evaluation	\$25,200.00	Laura DeLind	Michigan State University
ANC95-030	Reduced Tillage and Fungicide Input for Enhanced Sustainability in Fresh Market Tomato Production	\$30,853.00	Mary Hausbeck	Michigan State University
LNC94-064	Integrated System for Sustainability of High Value Field Crops	\$73,000.00	James LeCureux	Michigan State University Extension
LNC93-057	Improving Nitrogen Utilization with Rotation and Cover Crops	\$93,799.00	Richard Harwood	Michigan State University

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ANC92-014	Development of Methods toward Sustainable Apple and Poultry Production	\$46,942.00	Stuart Gage	Michigan State University
LNC92-052	The Adoption of LISA Techniques of Pest Management by North Central Fruit Growers	\$42,410.00	Craig Harris	Michigan State University
ANC91-009	Reduced Chemical Input Production of Peaches	\$40,000.00	James Flore	Michigan State University
LNC91-039	A Landscape Ecological Perspective in Insect and Weed Population Regulation in Low-Input and Conventional Systems	\$75,000.00	Douglas Landis	Michigan State University
LNC91-041	Legume Management Research for VA Mycorrhizal Enhancement in Potato Production	\$96,000.00	Gene Safir	Michigan State University
LNC91-022.1	Development and Demonstration of Methods toward Sustainable Apple Production: Continuation of Systems Integration	\$18,000.00	Stuart Gage	Michigan State University
LNC89-022	Development and Demonstration of Methods toward Sustainable Apple Production	\$24,500.00	Stuart Gage	Michigan State University

PROFESSIONAL DEVELOPMENT PROJECTS

ENC09-112	Hoophouse and Organic Farming for Ag Lenders	\$25,329.00	Susan Smalley	Michigan State University
ENC06-088	The New Agriculture Network: an organic farming forum for education and research	\$75,000.00	Dale Mutch	Michigan State University
ENC06-089	Grazier Training for Michigan Agricultural Educators from NRCS, Michigan State University Extension, and Conservation Districts	\$45,603.00	Lawrence Dyer	Tillers International
ENC06-090	Enhancing the Capacity of Educators and Farm Leaders to work with Socially Disadvantaged Latino Farmers	\$33,750.00	Juan Marinez	Michigan State University
ENC04-081	Community Food Issues: Sustainable Agriculture in Community Development	\$75,000.00	Mike Hamm	Michigan State University
ENC02-063	Professional Development - Holistic Management Training	\$146,300.00	Ben Bartlett	Michigan State University

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ENC01-061	Crop Ecology Education	\$58,480.00	George Bird	Michigan State University
ENC01-060	Manure Nutrient Recycling and Environmental Assurance	\$75,075.00	Natalie Rector	MSU Extension
ENC99-044	Building Human Capital for Value Added Marketing	\$55,180.00	Natalie Bement Rector	Michigan State University, Extension
ENC98-029	Michigan Field Crop Ecology: Training and Field Demonstrations	\$47,677.00	Natalie Bement-Rector	Michigan State University Extension
ENC97-012.1	Self-Directed Participatory Agent Learning	\$53,700.00	Natalie Bement-Rector	Michigan State University Extension
ENC97-024	Improving the Environment for Community Supported Agriculture in Michigan, Ohio, and Indiana	\$23,966.00	Laura DeLind	Michigan Organic Food and Farm Alliance
ENC96-012	Participatory Learning Between Farms and Field Crop Area of Expertise Team Members	\$48,200.00	Natalie Bement-Rector	Michigan State University Extension
ENC96-017	In-Service Training in Sustainable Agriculture and Agricultural Ecology for NRCS Personnel and Partners	\$30,000.00	Lawrence Dyer	MSU Kellogg Biological Station / Extension
ENC96-011	Accessing Community-Based Information Sources for Improving Surface Water Quality	\$14,300.00	Rich Bowman	Grand Valley State University
ENC95-004	Local Sustainable Agriculture Team Building: A Sustainable Agriculture Training Model	\$30,000.00	Russ LaRowe	Michigan Agricultural Stewardship Association
ENC95-003	Developing Educational Materials and Schools for Sustainable and Profitable Grazing Systems	\$31,500.00	Richard Leep	

GRANTS TO FARMERS

FNC12-853	Exploring the Potential for Fava Beans (<i>Vicia faba</i>) as a Spring and Fall Cover Crop in Upper Midwest	\$7,461.00	David Coveyou	
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FNC12-896	An Internship Curriculum for Food Farmers in the North Central Region	\$22,319.00	Therese Zimmerman-Niemier	
FNC12-849	Testing Combines Multiple Sustainable Production Methods in Asparagus for Symbiosis between Irrigation, Biofumigation, Advanced Cultivars, and Soil Amendments	\$7,500.00	Benjamin Byl	
FNC10-800	We Are All Farmers: Using Permaculture Techniques to Yield Cash Crops on Small Acreages	\$5,991.00	Chris Haplin	
FNC10-809	Growing, Processing and Selling Omega-9 Canola Oil	\$5,969.00	Dan Blackledge	
FNC10-804	Michigan Organic Hops Production: Utilizing Current IPM Models to Investigate Biocontrol Effectiveness on Hops Pests and Diseases in an Organic Production System	\$5,993.00	Bonnie & Jeff Steinman	
FNC10-826	Meeting the Growing Demand for Organic Hops: Low-Trellis Organic Hop Production in the Great Lakes Region	\$17,719.75	Brian Tennis	
FNC09-787	Kitchen Gardening for Life	\$6,000.00	Les Roggenbuck	
FNC09-757	Exploring Sustainable options for conservation of small woodland parcels through wild-crafting crops	\$3,583.98	Lisa Jackson	
FNC09-755	Integrating Bats into Organic Pest Management	\$16,323.00	Steve Tennes	
FNC09-778	Cow Taxi Project	\$5,815.20	Karen Lubbers	
FNC08-720	Economics of growing beer hops in Southwest Michigan	\$5,995.30	Ed Dohm	
FNC08-735	Utilizing Waste Cardboard for Livestock Bedding on Small Farms	\$2,299.95	Doreen Passuello	
FNC08-719	Novel Vacuum Fruit Harvester	\$18,000.00	Michael Rasch	Westridge Orchards
FNC08-713	Greenhouse and raised bed crop production with organic farm practices with fruit and vegetables production	\$6,018.00	David Beck	

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FNC07-658	Ranging Poultry on Temporary Pasture - An Integrated Poultry and Vegetable System	\$3,720.00	Chris Bardenhagen	
FNC07-679	How Can We Optimize Flaming for Weed Control in Organic Farming Systems.	\$18,000.00	Tim Frisbie	
FNC07-661	Winter Canola as a Cover Crop and Renewable Energy Source	\$11,898.00	Steve Tennes	
FNC07-662	Evaluating Modified Relay Intercropping (MRI) in Ingham County, Michigan	\$17,925.00	Tony Igl	
FNC07-654	Establishing a Regional Community Food Project in Rural Northeast Michigan	\$18,000.00	Brian Botkin	
FNC06-639	Evaluating Corn, Soybean and Wheat Varieties in Organic Farm Systems in Michigan	\$17,609.00	Ivan Morley	
FNC06-618	Growing Community Supported Agriculture with Day-Long Mini Schools	\$4,200.00	Jim Sluyter	CSA-MI
FNC06-603	Identifying a Market for Woody Florals, and Other Specialty Cut Flowers in Michigan	\$1,598.84	Dixie Sandborn	
FNC05-579	Developing a Community Sponsored Vegetable Operation in Rural Northeast Michigan	\$6,000.00	Brian Botkin	Centurion Farms, LLC
FNC05-548	Continuous Fiber Felting Machine	\$6,000.00	Suzanne Pufpaff	
FNC05-589	Growing New CSA Farmers: Conference and Mini-School for Community Supported Agriculture	\$14,000.00	Jim Sluyter	CSA-MI
FNC05-556	George Washington Carver's Garden: Farm Model and Mentoring Program for Seniors and Youth	\$18,000.00	Robert Crowder	
FNC05-580	Encouraging Managed Grazing in Michigan	\$9,245.00	Howard Straub	
FNC05-550	Winter Hardiness Trials of New Garden Chrysanthemum Varieties and Farm Research on Effectiveness of Winter Mulching Techniques	\$6,000.00	David Coveyou	
FNC04-530	A Comparison of the Profitability of Subsoil Heated and Unheated Hoophouses versus Field Production of Cool-Climate Salad Crops in Central Lower Michigan	\$3,033.00	Philip Throop	

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FNC04-526	Free Range Egg Cooperative	\$12,475.00	Sam Catey	Farmers Egg Cooperative
FNC04-509	Garber's Summer Farm Day Camp	\$4,166.00	Cindy Garber	
FNC04-505	Comparing Alfalfa and Red Clover as Economical Dairy Cow Forage	\$2,197.00	Mike Iho	
FNC03-470	Sweeping the Orchard Floor as a Housekeeping Practice to Effectively Control the Plum Curculio Insect in Organic Orchards	\$6,000.00	James Koan	
FNC03-462	Establishing Successful Organic Orchards	\$6,000.00	Peter Ways	
FNC03-440	Designing My Path into Sustainable Organic Farming	\$5,799.11	Roy Monzo	
FNC03-439	Pasture Improvement Trial: Enhancing Results by Analyzing Samples and Observing Cattle Grazing Preferences	\$6,000.00	Mike Iho	
FNC03-481	The Value of Mint: Preserving Historical Mint Fields with Windbreaks	\$3,870.00	James Crosby	
FNC02-432	Small Scale Youth Organic Gardening Project Continuation	\$2,800.00	Leroy Ray	
FNC02-390	Encouraging More Bio-diversity on My Farm By Providing a Safe Harbor for Nature's Best Mouse Trap: The Endangered Barn Owl	\$1,822.00	James Koan	
FNC02-401	Pasture Improvement Trial	\$1,197.00	Mike Iho	
FNC02-418	Meeting the Needs of the Michigan Craft Brewing Industry: The Potential of Barley and Hops as Alternative Crops	\$9,357.00	Wendell Banks	
FNC01-344	Incorporating Minority Farmers in the Sustainable Agricultural Movement	\$5,000.00	Roger Outlaw	
FNC01-341	Chicken Feed Alternative	\$3,600.00	Karen Lubbers	
FNC01-384	CSA Dairy	\$5,000.00	Gene Allen	
FNC01-369	Determination of Market and Profit Feasibility for an Organic Specialty Cut Flower Business in a Rural Northern Michigan Community	\$5,000.00	Kim Smith-Potts	Honeydale Farm

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FNC01-356	Organic Dairy	\$11,700.00	Chuck Oliver	
FNC01-340	Bats as Part of a Sustainable Pest Management Approach to Controlling Moth Pests in Commercial Apple Production	\$4,799.00	James Koan	
FNC00-307	Pathogen Reduction in Apple Cider Production	\$4,450.00	Michael Beck	Cider Production Manager
FNC00-306	A Youth Operated Certified Compost Production and Distribution Scheme	\$15,000.00	Leroy Ray Jr	The Farm School Cooperative
FNC00-292	Multi-Farm CSA: A Group Marketing Initiative for Rural Northern Michigan	\$14,890.00	Rick Meisterheim	
FNC00-325	Building a Thermal-Blast Peeler to Prepare Chestnut for On-Farm, Value-Added Processing	\$5,082.00	Corey Allen	Lakeview Orchards
FNC00-322	Cutting the Red Tape: Processing Pastured Poultry to Meet Market Demands	\$7,766.00	Kay Jones	
FNC99-268	Flexible Low-Cost Poultry Processing	\$4,180.00	Jack Knorek	Oak Moon Farm
FNC99-250	Researching the Cost-Effectiveness of Building a State-Licensed, Mobile Poultry Processing Facility as a Regional Farmer's Group	\$14,967.00	Rick Meisterheim	
FNC99-277	Utilizing Breeding Ewes' Grazing Abilities for Pasture and Crop Residue to Lengthen the Grazing Season	\$4,325.00	Tamra Ashley	
FNC99-260	Heirloom Apples	\$5,000.00	Pepper Bromelmeier	
FNC99-264	Organic Marketing Cooperative	\$9,254.00	Thomas Judge	
FNC99-251	Creating a Farmer-Youth Sustainable Production and Marketing Cooperative for a Group of Black Farmers in Van Buren County, Michigan	\$15,000.00	LeRoi Ray	Farm School Cooperative
FNC98-202	Expanding Partnerships Between Southern Michigan Cash Crop Farmers and Northern Michigan Livestock Farmers	\$5,000.00	Henry Miller	

Project #	Project Title	SARE support	Project Leader	Organization
FNC98-204	On-Farm Market for High Quality, Locally Grown Products and an Experience for School Age Children	\$4,490.00	Pamela Bosserd	
FNC98-236	Cover Crops Influence on Soil Quality in No-Till Corn/Soybean Rotations: The Role of Soil Arthropods	\$5,000.00	Gary Manley	
FNC98-203	Southwestern Michigan Marketing Plan for Locally-Grown Produce	\$10,000.00	Phillip Prillwitz	
FNC98-213	You Pick for the Handicapped	\$5,000.00	Thomas Robinson	S&S Farm Market and Greenhouse
FNC98-240	Utilizing Alternative Harvesting Methods in Storing Silage	\$5,000.00	David McCartney	
FNC97-179	The Custom Grazing of Replacement Dairy Heifers on Fuego Fescue and Barenbrug Ryegrass Pasture under a Management-Intensive Grazing System	\$3,518.00	Helene Paulik	
FNC97-166	Innovative Farmers Seeking Lowest Nitrogen Rates for Corn on Sandy Soils to Protect Ground Water	\$4,021.00	Eric Hiscock	
FNC97-168	Developing Partnerships between Southern Michigan Cash Crop Farmers and Northern Michigan Livestock Farmers	\$5,000.00	Henry Miller	
FNC97-170	Integrated Row Tillage Project	\$3,523.00	Todd Williams	
FNC97-167	Innovative Farmers Seeking Sustainable Solutions through On-Farm Demonstrations	\$4,750.00	Kevin VandyBogurt	
FNC97-186	Farmer Networking to Direct Precision Ag Technologies toward Sustainability	\$4,950.00	Tom Waller	
FNC97-187	Marketing On-Farm Composted Manure	\$9,700.00	Joe Slater	
FNC97-183	Transition from Traditional Grain/Livestock Agriculture to On-Farm Roadside Marketing of Produce	\$5,000.00	Pamela Bosserd	
FNC97-199	Processing and Marketing Milk Produced on our Small Family Dairy	\$5,000.00	George Shetler	
FNC97-189	The Economics of Seed Saving on Three Biological Farms in Western Michigan	\$4,676.00	Paul Keiser	

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FNC97-172	Swine Finishing in a Hoop Structure with Deep Bedding	\$5,000.00	Gary Blonde	
FNC96-155	Using Forages and Grazing Systems as an Alternative to Crop Production on Michigan Muck Soils	\$5,000.00	John Oswalt	
FNC96-152	Extending the Vegetable Production Season in Northern Michigan with Polyhouses	\$2,696.00	James Chadwick	
FNC96-139	Permaculture Greenhouse System: Integrating Greenhouse and Poultry Production	\$5,000.00	Rick Meisterheim	
FNC95-109	The Development of an On-Farm Learning Center	\$5,000.00	Bob Fogg	
FNC95-125	Improving Ground and Surface Water Quality by Reducing Commercial Fertilizer Applications to Fields Receiving Livestock Manure Applications	\$4,644.00	Calvin Dyke	
FNC95-113	Nitrogen Management on Sandy Soils for Environmentally and Economically Sustainable Corn Production	\$5,000.00	Edmond Groholski	
FNC95-122	Stockpiling Pasture by Interseeding Annual Rye into Existing Pasture	\$640.00	Charles Cornillie (deceased)	
FNC94-061	Livestock Watering Systems	\$3,604.00	Joe Golimbieski	
FNC94-065	Implementing Sustainable Agricultural Practices to Attain Organic Certification	\$5,000.00	Bob Carriveau	
FNC94-083	On-Farm Composting of Livestock Manure	\$2,500.00	Joe Slater	
FNC94-086	Developing a Stewardship Plan for Water Quality	\$4,538.00	Tom Guthrie	
FNC94-083	On-Farm Composting of Livestock Manure	\$2,500.00	Bob Wackernagel	
FNC94-066	Pasture Renovation and Reseeding	\$3,325.00	John Milbocker	
FNC94-077	Composting Swine Carcasses	\$2,900.00	Ed Fisher	
FNC93-056	Bio-Control of Colorado Potato Beetle Utilizing Poultry	\$2,044.00	Quinn Cumberworth	

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FNC93-050	Composting Rural and Urban Waste	\$4,950.00	Marlin Goebel	
FNC93-035	Intensive Rotational Grazing for Sheep	\$1,868.00	John Oswalt	
FNC93-037	Manure Composting in Dairy Operations	\$2,600.00	George Shetler	
FNC93-043	Evaluating Forages in Rotational Grazing System for Dairy	\$4,688.00	Dale Kellenberger	
FNC93-049	Evaluating Liquid Manure as Nutrient Source in a Commercial Orchard	\$4,551.00	John Muma	
FNC92-024	Production and Marketing of Organic Beef	\$2,020.00	Kathy Theil	
Graduate Student Grants				
GNC12-158	Improving Resource Use Efficiency Through Strip Tillage, Cover Cropping, and Deep Fertilizer Placement	\$9,915.00	Erin Haramoto Advisor: Daniel Brainard	Michigan State University
GNC10-141	Combining Alternative Cover Crop Strips, Living Mulches and Strip Tillage for Effective Weed and Nutrient Management in Organic Sweet Corn Production	\$9,960.00	Carolyn J. Lowry	Michigan State University
GNC10-146	Low Tunnel Strategies for Microclimate Modification and Early Vegetable Production	\$9,591.00	Rebekah Struck	Michigan State University
GNC10-134	Artisanal Agrifood Processing and Food Safety Regulation: Responding to the Concerns of Small Processors and Regulators in Michigan	\$9,903.30	Jenifer Buckley	Michigan State University
GNC09-108	A novel approach for optimizing the benefits of cereal-legume cover crop mixtures in vegetable cropping systems	\$9,983.00	Zachary Hayden	Michigan State University
GNC09-116	Evaluation of Plant Composition and Strip Size on the Effectiveness of Native Plant Conservation Strips for Sustainable Enhancement of Beneficial Insect Communities	\$9,910.00	Brett Blaauw	Michigan State University
GNC08-097	Sustaining Farmers Markets that Serve Low-Income Consumers	\$9,995.00	Dru Montri	Michigan State University
GNC08-095	Treatment of Agricultural Runoff Using Filter Strip	\$10,000.00	Rebecca Larson	Michigan State University

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GNC08-099	Determination of the relationship between soil nutrients, mycorrhizae, and plant health in organic blueberry production	\$9,900.00	Jesse Sadowsky	Michigan State University
GNC08-096	Best Organic Management and Marketing Practices in Michigan	\$9,950.00	Lourdes Matrinez	Michigan State University
GNC07-086	Evaluation of supplemental flowering plant strips for sustainable enhancement of beneficial insect communities.	\$9,797.00	Nathaniel Walton	Michigan State University
GNC07-082	Demonstration of a sustainable method of Beauveria bassiana delivery for use against plum curculio	\$9,822.00	Renee Pereault	Michigan State University
GNC07-080	Advanced cropping system for sustainable production of Fraser fir (Abies Fraseri) in Christmas tree plantations	\$10,000.00	Paligwende Nikiema	Michigan State University
GNC06-069	Distribution Strategies for Developing Farm-to-School Connections	\$9,784.00	Betty Izumi	Michigan State University Departments of Community, Agriculture, Recreation and Resource Studies
GNC06-065	Integrating and Evaluating Livestock Guarding Dogs for Reducing Wolf-Human Conflict on Michigan Farms	\$7,504.00	Thomas Gehring	Central Michigan University Dept. of Biology
GNC06-063	Development of winter cover crop varieties and complementary mixtures for North Central Region grain systems	\$9,882.00	Brook Wilke	Michigan State University EEBB & Kellogg Biological Station
GNC06-064	Incorporating Improved Management of the Striped Cucumber Beetle by the Enhancement of Trap Crops for Organic and Sustainable Cucumber Production	\$10,000.00	Matthew Kaiser	Michigan State University
GNC05-050	Managing Crop Residues: Balancing Soil Quality & Farm Profitability	\$9,970.00	Terrance Loecke	Michigan State University
GNC05-044	Processes Involved in the Weed Suppressiveness of Hairy Vetch & Implications for Weed Management in Vegetable Production	\$10,000.00	Erin Hill	Michigan State University

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GNC04-037	The Practice of Sustainability: Knowledge, Values, and Ethics	\$9,720.00	Lamar Kendell	Michigan State University
GNC04-036	Cropping System to Improve Vegetable Production Under Short Crop Rotation	\$10,000.00	Mathieu Ngouajio	Michigan State University
GNC03-017	Effect of Sustainable Ground Floor Management Systems on Root System Dynamics of Apple and their Contribution to Carbon Sequestration and Nutrient Cycling in the Soil	\$9,977.00	Dario Stefanelli	Michigan State University
GNC02-011	Integrating Cover Crops into Blueberry Production for Sustainable Japanese Beetle Control	\$10,000.00	Zsafia Szendrei	Michigan State Univ.

Youth and Youth Educator Grants

YENC12-04	Shiawassee Camper's Sustainable Garden and Sustainable Agriculture Education	\$2,000.00	Melissa Higbee	Shiawassee Conservation District
YENC12-04	Urban Organicz Detroit/Lansing	\$1,989.20	Ashley Powell	Urban Organicz Detroit
YENC12-05	Building Sustainable Agriculture Connections for Ypsilanti Farm to School	\$2,000.00	Michaelle Rehmann	Food System Economic Partnership
YENC12-04	Detroit Arsenal Garden Project	\$1,371.40	Dave Galer	U.S. Army Garrison - Detroit Arsenal Child, Youth & School Services
YENC12-04	Youth Intern Program at Growing Hope	\$2,000.00	Amanda Edmonds	Growing Hope
YENC10-02	Engaging Youth in Neighborhood-based Urban Agriculture	\$2,000.00	Matthew McDermott	Lansing Urban Farm Project
YENC10-03	Edible Avalon Summer Youth Program	\$1,807.00	Kristin Kaul	Edible Avalon, a joint program of Avalon Housing and Food Gatherers
YENC10-03	GVSU Upward Bound TRIO Flower and Herb Garden at the GVSU Sustainable Agriculture Project	\$1,995.70	Levi Gardner	Grand Valley State University

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YENC09-01	The Early Bird Gets the Worm	\$1,977.44	Nate Beelen	Whitefish Township Community School
YNC09-036	Student Report on the Northern Michigan Small Farms Conference	\$360.00	Megan Brown	
YNC08-024	Grass-Fed Lamb Agriscience Project	\$400.00		
YNC08-013	Not Just Chicken	\$372.65		

Total funding from USDA SARE program to Michigan = \$5,300,737

For further information on projects, contact Marie Flanagan, North Central Region SARE Communications Specialist, 612-625-7027, mart1817@umn.edu, or Dena Leibman, SARE National Communications Specialist, communications@sare.org, 301-405-7955.

SARE is a national USDA program that provides competitive grants, educational materials and extension programs to develop and support approaches that enhance profits, protect the environment and improve rural quality of life.