



AGRICULTURE PROJECTS FUNDED IN ILLINOIS

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

Illinois has been awarded \$3,220,596 grants to support 132 projects, including but not limited to, 17 research and/or education projects, 7 professional development projects and 63 producer-led projects. Illinois 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
LNC19-429	Establishing a Network of Agroforestry Research & Demonstration Farms	\$199,893	Dr. Kevin Wolz, PhD Savanna Institute
LNC18-407	Midwestern Initiative to Discern and Overcome Identity-Based Barriers to Adopting Regenerative Practices in Commercial Grain Farming	\$197,909	Cassidy Dellorto-Blackwell The Land Connection
LNC10-321	Suppression of Soybean Diseases Through the Use of Cover Crops	\$174,823	Dr. Darin Eastburn University of Illinois
LNC10-327	Translating Sustainable Agriculture to the Backyard Garden in Metropolitan Chicago	\$86,963	Anya Maziak Chicago Botanic Garden
LNC08-298	Alternative Oilseeds for Sustainable, High-Quality Biodiesel	\$127,635	Frederick Iutzi Western Illinois University
LNC07-282	Best Sustainable Management Practices For Perennial Weeds	\$144,003	Dan Anderson University of Illinois John Masiunas University of Illinois
LNC03-228	New Strategies for Management of Vegetable Diseases in Organic and Traditional Farms	\$99,289	Mohammad Babadoost University of Illinois
LNC02-205	Soil Testing and Information for Organic Transition	\$49,042	Michelle Wander University of Illinois
LNC01-190	The Use of Farmer Directed Teams to Improve Milk Quality on Family Dairy Farms	\$98,052	Pamela Ruegg University of Wisconsin Madison

<u>LNC00-169</u>	Assisting Farmers in Crisis to Adopt Sustainable Marketing Alternatives	\$98,590	John Masiunas University of Illinois
<u>LNC00-174</u>	Sustaining Farms and Biodiversity through Woodland Cultivation of High-Value Crops	\$49,859	Colin Donohue Rural Action
<u>LNC98-137</u>	Nutrient and Pesticide Loads in Subsurface Drainage from Organic and Conventional Cropping Practices	\$104,777	Gregory McIsaac Dept of Natural and Environmental Resources, University of Illinois
<u>LNC96-101</u>	Microbial Indices of Soil Quality	\$54,000	Gerald Sims University of Illinois
<u>LNC93-056</u>	On-Farm Adaptation of Integrated Crop and Livestock Systems in Illinois	\$92,994	Robert Hornbaker Dept of Agricultural and Consumer Economics, University of Illinois
<u>LNC92-042</u>	Regional Workshop for Educators on the use of Cover Crops in Sustainable Farming Systems	\$10,000	Nick Robertson Illinois Sustainable Ag Society
<u>LNC92-050</u>	Social and Cultural Factors Affecting Sustainable Farming Systems and the Barriers to Adoption	\$72,018	Sonya Salamon University of Illinois
<u>LNC91-040</u>	Participatory Research and Education Network for Sustainable Agriculture in Illinois	\$110,500	Robert Hornbaker Dept of Agricultural and Consumer Economics, University of Illinois

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<u>ENC15-143</u>	From the Classroom to the Field: Advanced Soil Health Training for Illinois Ag Service Providers	\$74,602	Jennifer Filipiak, Jennifer Filipiak Driftless Area Land Conservancy
<u>ENC13-138</u>	Developing and Disseminating Legal Issues Curricula to Educators Who Assist Sustainable Farmers	\$70,714	Cara Cummings
<u>ENC10-117</u>	Expanding Large-Scale Manure Composting Expertise in Illinois and Wisconsin	\$6,588	Randy Fonner Univ of IL Extension Ellen Phillips University of Illinois Extension Dr. Ted Funk University of Illinois at Urbana-Champaign
<u>ENC04-082</u>	Professional Development Project: Working with Latino Agricultural Communities	\$66,586	Stu Jacobson University of Illinois at Springfield
<u>ENC03-072</u>	Professional Development Program in Apiculture and Pollination	\$81,412	Stu Jacobson University of Illinois at Springfield
<u>ENC00-049</u>	Sustainable Approaches to Aquaculture Production and Marketing	\$12,750	John Glover USDA
<u>ENC98-034</u>	Introduction to Management Intensive Grazing Systems Workshops and	\$32,308	Deborah Cavanaugh-Grant

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
<u>FNC19-1182</u>	Moving Beyond Anecdotes: Making Data Driven Decisions to Adapt to Climate Change	\$7,859	Jeff Miller Prairie Wind Family Farm
<u>FNC19-1199</u>	The cultivation of wild yeast strains to add value to farmhouse fermentation	\$26,370	Maggie Wachter Second Nature Honey
<u>FNC19-1200</u>	Enhancing berry farm profitability through perennial alley crops	\$8,940	Dr.Kevin Wolz, PhD Midwest Agroforestry Solutions
<u>FNC19-1178</u>	Establishing a perennial living mulch for weed control in sweet corn	\$8,088	Charles Martin Willow Creek Farm
<u>FNC18-1137</u>	Finding the right mix of Cover Crops in a Sweetcorn and Snap Bean operation in the Midwest	\$7,500	Mark O'Rourke O'Rourke Family Gardens
<u>FNC18-1141</u>	Soil Remediation Techniques in Urban Agriculture	\$14,975	Casey Sabatka Dirty Boots Flowers
<u>FNC17-1101</u>	Increasing the Use of Farm Fresh Food in Institutional Settings by Educating Chefs, Youth, and Local Farmers through Demonstrations, Workshops, and Visual References	\$7,448	Ann Swanson Hendrick House
<u>FNC17-1106</u>	Creating a Resource on How to Build an Urban Farm in Chicago with a Modest Budget	\$7,500	Catherine Williams Chicago Patchwork Farms
<u>FNC15-1018</u>	Utilizing precision application of cover crops to minimize planting challenges while maximizing benefits to corn	\$7,289	Ralph Upton, Jr. Upton farms
<u>FNC15-1019</u>	Developing a method to capture and authenticate single varietal honey on diverse landscapes	\$11,734	Maggie Wachter Second Nature Honey
<u>FNC13-905</u>	Growing hydroponic fodder for dairy goats on a limited acreage farm	\$7,500	Linda DuShane Heart's Quest Dairy Goats
<u>FNC13-918</u>	Marcoot Jersey Creamery Comprehensive Food Safety Program	\$7,495	Beth Marcoot Marcoot Jersey Creamery
<u>FNC13-920</u>	Establishing a Year-round Urban Greenhouse Herb Garden	\$7,500	Emmanuel Pratt
<u>FNC13-930</u>	Developing Vertically Integrated Edible Bio-systems in a USDA Hardiness Zone 5 Environment	\$6,923	Dave Bishop PrairieErth Farm
<u>FNC10-835</u>	Four-Season Vegetable Production	\$5,994.19	Phillip Swartz

	Utilizing High Tunnels, Floating Row Cover, and a Compost Heat Exchanger.		Moraine View Farm
FNC10-822	Sustainable beekeeping: increasing production and utilization of northern-adapted, disease and mite resistant honey bee queens	\$15,431	stewart jacobson Illinois Queen Initiative
FNC09-773	Adding Value to Our Seventh Generation Dairy Farm by Turning Our Milk into Farmstead and Artisan Cheeses	\$6,000	Amy Marcoot
FNC09-779	Bringing the store to the customer. Increasing the farm's direct marketing capability and increasing retail income from meats, eggs, and produce with a mobile store	\$5,980	Dave Bishop PrairieErth Farm
FNC09-790	The mentoring of young adults with non-farm background in the production and local marketing of organic vegetable crops	\$2,955.73	Clarence Burton
FNC08-705	Increasing the production and use of disease and mite resistant queens adapted to northern conditions	\$11,478.28	stewart jacobson Illinois Queen Initiative
FNC08-715	Roller-Crimper Construction and No-Till Organic Weed Control Trials	\$12,729.61	Jacquelyn DeBatista Irish Grove Farms, Inc.
FNC07-671	Marketing of Small Amounts of Organic Grains through Alternative Broiler Feeds and Direct to Consumer Sales	\$3,226	Lisa Haynes
FNC07-685	Establishment of an Organic, Sustainable Small-Scale Farm Producing Livestock (Goats/Chickens) and Vegetables for Niche Markets in Chicago	\$5,991	Godwin Akpan
FNC06-606	Water Conservation and Grey Water Recycling at Three Rivers Community Farm	\$5,000	Amy Cloud
FNC06-611	Bringing the Retail Dollar Home-Increasing Profitability of Small Scale Meat Production Through Direct Marketing	\$5,938	Beth Osmund Cedar Valley Sustainable Farm
FNC06-632	To Be Able to Introduce Healthy and Economical Agricultural to a New and Lost Generation	\$16,830	Reginald Stewart
FNC06-641	Northern Production of Disease and Mite Resistant Queen Honey Bees	\$4,409	stewart jacobson Illinois Queen Initiative
FNC05-565	Okra [<i>Abelmoschus esculentus</i>] an Oilseed for Stressful Conditions of the Midwest	\$5,850	Michael Vincent
FNC04-533	Growing Fish & Plants in a Aquaponic System	\$4,848	Lori Bahre
FNC04-536	Use of Worm Casting Extract in Ag	\$4,048	Don Spiker

Production

<u>FNC04-540</u>	Integrated Cultural Production Methods for Maximum Okra Seed Yields	\$4,933	Michael Vincent
<u>FNC04-497</u>	Determination of an Economically Optimal Organic Control of Onion Maggots in Allium Crops	\$1,405	Lisa Haynes
<u>FNC04-518</u>	Resource Center City Farm	\$5,950	Kristine Greiber
<u>FNC04-520</u>	Three Little Fishes	\$5,998	Brenda Lyons
<u>FNC04-524</u>	Conducting a Variety Trial to Find the Best Marketable Organic Tomato Product	\$5,910	Louis Reuschel Ocean Farm
<u>FNC03-441</u>	Raising Tilapia Fish in Tanks Along with Plants and Vegetables in Beds	\$15,930	Irene Seals
<u>FNC03-446</u>	Reinventing the Family Farm	\$5,263	Brenda Lyons
<u>FNC03-457</u>	Student Producers for the Future	\$5,960	Louis Reuschel Ocean Farm
<u>FNC02-428</u>	Future Farming Families	\$14,970	Ida Thurman
<u>FNC02-409</u>	Year-Round Management Intensive Grazing	\$5,820	Jason Smith
<u>FNC01-338</u>	North Central Region Paddlefish Polyculture	\$14,378	Scott Miller
<u>FNC01-375</u>	Re-Introduction of Flax as a Viable Economic and Rotational Crop in an Organic System (Phase II)	\$2,063	Joel Rissman
<u>FNC01-382</u>	Alternative Agriculture in Southern Illinois	\$2,530	Robert Boyd
<u>FNC01-385</u>	Production of Black Bass in Southern Illinois Coal Mine Lakes	\$5,000	Pam Wilkey
<u>FNC00-309</u>	Incorporating Rotational Grazing in the Crop Rotation	\$5,000	Raymond Meisner
<u>FNC99-283</u>	Phase 1 of Reuschel's Sustainable Demonstration Farm	\$3,800	Louis Reuschel Ocean Farm

FNC99-006	Free Range/Pastured Poultry Laboratory Analysis/Demonstration with an Organic Feed Component	\$3,850	Irene Seals
FNC99-007	Free Range/Pasture Poultry Laboratory Analysis/Demonstration with an Organic Feed Component	\$5,250	Debbie Hudson
FNC99-249	Re-introduction of Flax as a Viable Economic and Rotational Crop in an Organic System	\$875	Joel Rissman
FNC99-270	Breeding Better Apple Varieties for the Midwest	\$13,748	Jim Eckert
FNC98-231	Sugar Maple Control and Hardwood Restoration in Central Illinois Woodland	\$5,000	Kevin Green
FNC98-235	Trout and Walleye Production in Freshwater Springs in Illinois	\$4,834	Michael Rahe
FNC98-237	Expansion of Grape Production	\$4,940	Marchell Baehr Rolling Hills Vineyard
FNC98-245	Linking Downstate Illinois Small-Scale Goat and Sheep Producers	\$2,338	Less and Penny Gioja Joy-of-Illinois Farm
FNC98-005	Free-Range/Pastured Poultry Comparison Demonstration with an Organic Feed Component	\$10,000	John and Ida Thurman
FNC97-196	Long-term Benefits of Cover Crops and Crop Rotation	\$4,818	Ralph Upton, Jr. Upton farms
FNC95-099	Implementing Sustainable Organic Practices	\$3,620	Larry Kennel
FNC95-117	Cover Crop Management in the Upper Midwest	\$2,332	Kim Burkhart
FNC94-063	Strip Cropping in a Four-Crop Rotation	\$3,428	Larry Kennel
FNC94-079	Low-Cost Waste Management in Beef Cattle Operation	\$3,277	Joel Rissman
FNC93-028	No-Tilling Hairy Vetch into Crop Stubble and CRP Acres	\$3,760	Walt Townsend
FNC93-038	Night Crawlers as Natural Soil Conditioners	\$4,340	Robert VanHoven

FNC92-022	Establishment of Native Warm and Cool Season Grasses on Highly Erodible Land	\$2,951	Michael and Debi Herren
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GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GNC19-292	What soil ecosystem services and economic benefits does 50 years of no-till provide in contrast to other tillage practices in Southern Illinois?	\$14,978	Dr.Amir Sadeghpour Southern Illinois University Carbondale Amanda Weidhuner Southern Illinois University Carbondale
GNC19-293	Applying ecological treatments to boost yields among restoration target species of seed production areas	\$14,942	Dr.Jeffrey Matthews University of Illinois at Urbana-Champaign Jack Zinnen University of Illinois at Urbana-Champaign
GNC17-238	Understanding aphidophagous hoverfly winter survival strategies in Midwest farmscapes to improve conservation biological control	\$11,993	Dr.Alexandra Harmon-Threatt University of Illinois, Urbana-Champaign Scott Clem University of Illinois Department of Entomology
GNC15-201	Agricultural, ecological, and Social Responses to an Invasive Grass and its Removal in Working Midwestern Grasslands	\$9,977	Dr.James Miller University of Illinois Jaime Coon University of Illinois at Urbana-Champaign
GNC15-217	Developing Effective Treatments for Eradication of Xanthomonas cucurbitae in Pumpkin Seed	\$9,990	Mohammad Babadoost University of Illinois Xiaoyue Zhang University of Illinois
GNC14-198	Farming in the City: How Does the Altered Urban Environment Influence Cropping System Productivity, Ecology, and Profitability?	\$9,994	Dr.Jack A. Juvik University of Illinois Urbana-Champaign Sam Wortman University of Nebraska - Lincoln Ross Wagstaff University of Illinois Urbana-Champaign
GNC12-160	Effects of Cover Crop combinations and Fertilizer Application Timing on Nitrogen Leaching	\$9,900	Dr.Shalamar Armstrong Purdue University Corey Lacey Illinois State University
GNC10-127	Regulating Feed Intake of Group Housed Gilts by Altering Dietary Cation/Anion Difference	\$9,450	Dr.Paul Walker Illinois State University Arwyn Schumacher Illinois State University
GNC10-139	Effective Management for Fire Blight for Sustainable Apple Production in Illinois	\$10,000	Mohammad Babadoost University of Illinois Andrew Jurgens University of Illinois
GNC10-144	Determining the Host-range and Developing Seed-treatment for Managing Bacterial Spot on Pumpkin	\$10,000	Mohammad Babadoost University of Illinois Abbasali Ravanlou UIUC
GNC08-087	Determining the effectiveness of mustard short-cycle cover crops in managing soil-borne fungal pathogens in cucurbits	\$10,000	Mohammad Babadoost University of Illinois Shaijal Babu Thru Ppoyil University of Illinois
GNC08-094	Assessing Reduced-risk Insecticides and Refining Distribution and Phenology	\$10,000	Dr.Richard Weinzierl University of Illinois

	Models to Improve Management of Oriental Fruit Moth (OFM) in Apples and Peaches		Moneen Jones University of Illinois at Urbana-Champaign
GNC08-100	Evaluation soil quality and lead in Chicago community and school gardens	\$9,857	Dr.Michelle Wander University of Illinois Laura Witzling UW-Madison
GNC07-074	Developing an Effective Strategy for Management of Internal Discoloration of Horseradish Root	\$10,000	Mohammad Babadoost University of Illinois Anas Eranthodi University of Illinois
GNC06-057	Cropping intensity and organic amendments in transitional farming systems	\$9,375	Dr.Darin Eastburn University of Illinois Shin-Yi Lee University of Illinois
GNC05-047	Determining the occurrence and distribution of viruses causing diseases on cucurbit crops for developing effective management strategies.	\$9,890	Mohammad Babadoost University of Illinois Sushma Jossey University of Illinois
GNC05-053	Developing Methods for Determining Survival of Phytophthora capsici in Soil for Establishing Effective Cropping Rotations for Sustainable Vegetable Production	\$9,794	Mohammad Babadoost University of Illinois Carlos Pavon Dept. Crop Science, University of Illinois at U-C
GNC04-028	The Agricultural and Ecological Functioning of a System Integrating Pastured Poultry and Raised-Bed Vegetable Production.	\$9,995	Benjamin Tracy University of Illinois Ben Lubchansky University of Illinois
GNC04-031	Developing Multimedia Resources for Educators in Informal and Formal Agricultural Education Settings	\$9,950	Anne Heinze Silvis University of Illinois at Urbana-Champaign Neil Knobloch University of Illinois Jennifer Herman University of Illinois at Urbana-Champaign
GNC02-006	Determining Genotypic and Pathogenic Diversity Among Phytophthora Capsici Isolates for Establishing Sustainable Cropping Rotations	\$10,000	Mohammad Babadoost University of Illinois Donglan Tian University of Illinois at Urbana-Champaign

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
ONC19-057	Field Salad: A No-management Cover Crop to Move Practice Adoption Beyond Just the Innovator Farmer	\$29,740	Catie Gregg Prairie Rivers Network
ONC19-064	Management-Associated Risk Factors and Economic Impact of Anaplasmosis in Illinois Beef Herds	\$39,955	Dr.Teresa Steckler University of Illinois
ONC18-040	Managing continuous living cover in Midwest organic grain production systems to balance productivity with soil health	\$29,753	Will Glazik IDEA Farm Network
ONC17-035	Interseeding Fall Catch Crops in Winter Wheat	\$29,974	Dr.Michelle Wander University of Illinois

<u>ONC16-017</u>	Evaluating and Sharing Techniques in Silvopasture Establishment	\$29,951	Keefe Keeley Savanna Institute
<u>ONC15-005</u>	Crop Performance, Pests, and Pollinators in Diverse Agroforestry Systems	\$29,957	Keefe Keeley Savanna Institute

YOUTH EDUCATOR GRANTS

Project #	Project Title	SARE support	Project Leaders
<u>YENC19-135</u>	Star Farm Chicago's Youth with Special Needs and Developmental Disabilities Sustainability Initiative Summer 2019	\$3,910	Stephanie Dunn Star Farm Chicago Cornelius Hodges Star Farm Chicago
<u>YENC17-109</u>	Prairie Farm Corps Youth Development Program	\$2,000	Shannon McBride Liberty Prairie Foundation
<u>YENC17-119</u>	Sustainable Agriculture Youth Workforce Development Program	\$2,000	Marnie Record Lincoln Land Community College
<u>YENC16-105</u>	Boys & Girls Club Community Garden	\$2,000	Alana Reynolds Grow Springfield (Illinois Stewardship Alliance)
<u>YENC16-097</u>	Sustainable Agriculture Technology Summer Camp	\$2,000	Thomas Elsey Triton College Tricia Wagner Triton College
<u>YENC15-082</u>	Hands-on sustainable agriculture using chestnuts and hazelnuts	\$2,000	Dee Scott Casey-Westfield CUSD #C-4 Bryan Bennett Casey-Westfield High School
<u>YENC15-091</u>	Building Community and Growing Food with the Next Generation	\$2,000	Tod Satterthwaite Sola Gratia Farm
<u>YENC14-075</u>	Urban Agriculture Summer Institute	\$1,997	Dr.Fredric Miller Joliet Junior College
<u>YENC14-080</u>	Manos, Tierra, y Alimento (Hands, Soil, and Food)	\$2,000	Liz Whitehurst Angelic Organics Learning Center
<u>YENC13-065</u>	PRIDE Garden (Positive, Respectful, Impressive, Disciplined, Educated)	\$1,996.76	Monica Pierce Freeport High School
<u>YENC12-049</u>	Curriculum and Community Discussion Guide to Accompany the Educational film Deep Roots	\$1,909.50	Janice Hill Kane County
<u>YENC12-050</u>	Growing a Future	\$1,960	Dan Kenney DeKalb County Community Gardens

YOUTH GRANTS

Project #	Project Title	SARE support	Project Leaders
<u>YNC10-052</u>	How can I fit pigs into my family's farm?	\$400	Lydia Gioja

YNC10-058	Composting with Red Wiggler Worms	\$400	Emma Ahern Julie Ahern Andrew Cooke Magnet School
YNC10-060	The Aquaponic Journey of A Lifetime	\$400	Ryan Marcelo
YNC08-009	Raising A Heritage Breed of Poultry	\$400	Eric Lehrer
YNC08-012	Compositing Public Waste for the Community Garden	\$400	Louisha Anthony

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
NCIL19-001	Illinois 19-20 plan of work	\$130,000	Dr.Bruce Branham University of Illinois Doug Gucker University of Illinois
NCIL17-001	Illinois Annual State Report	\$110,000	Dr.Laura Christianson University of Illinois Dr.Bruce Branham University of Illinois Doug Gucker University of Illinois

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

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