



AGRICULTURE PROJECTS FUNDED IN ILLINOIS

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

Illinois has been awarded \$2,725,927 grants to support 120 projects, including but not limited to, 16 research and/or education projects, 7 professional development projects and 59 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
LNC18-407	Midwestern Initiative to Discern and Overcome Identity-Based Barriers to Adopting Regenerative Practices in Commercial Grain Farming	\$197,909	Mallory Krieger 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
LNC00-174	Sustaining Farms and Biodiversity through Woodland Cultivation of High-Value Crops	\$49,859	Colin Donohue Rural Action

LNC00-169	Assisting Farmers in Crisis to Adopt Sustainable Marketing Alternatives	\$98,590	John Masiunas University of Illinois
LNC98-137	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
LNC96-101	Microbial Indices of Soil Quality	\$54,000	Gerald Sims University of Illinois
LNC93-056	On-Farm Adaptation of Integrated Crop and Livestock Systems in Illinois	\$92,994	Robert Hornbaker Dept of Agricultural and Consumer Economics, University of Illinois
LNC92-042	Regional Workshop for Educators on the use of Cover Crops in Sustainable Farming Systems	\$10,000	Nick Robertson Illinois Sustainable Ag Society
LNC92-050	Social and Cultural Factors Affecting Sustainable Farming Systems and the Barriers to Adoption	\$72,018	Sonya Salamon University of Illinois
LNC91-040	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
ENC15-143	From the Classroom to the Field: Advanced Soil Health Training for Illinois Ag Service Providers	\$74,602	Jennifer Filipiak American Farmland Trust
ENC13-138	Developing and Disseminating Legal Issues Curricula to Educators Who Assist Sustainable Farmers	\$70,714	Cara Cummings
ENC10-117	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
ENC04-082	Professional Development Project: Working with Latino Agricultural Communities	\$66,586	Stu Jacobson University of Illinois at Springfield
ENC03-072	Professional Development Program in Apiculture and Pollination	\$81,412	Stu Jacobson University of Illinois at Springfield
ENC00-049	Sustainable Approaches to Aquaculture Production and Marketing	\$12,750	John Glover USDA
ENC98-034	Introduction to Management Intensive Grazing Systems Workshops and Resource Manual for Educators	\$32,308	Deborah Cavanaugh-Grant University of Illinois at Urbana-Champaign, Agroecology/Sustainable Agriculture Program

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FNC18-1137	Finding the right mix of Cover Crops in a Sweetcorn and Snap Bean operation in the Midwest	\$7,500	Mark O'Rourke
FNC18-1141	Soil Remediation Techniques in Urban Agriculture	\$14,975	Casey Sabatka Dirty Boots Flowers
FNC17-1106	Creating a Resource on How to Build an Urban Farm in Chicago with a Modest Budget	\$7,500	Catherine Williams Chicago Patchwork Farms
FNC17-1101	Increasing the Use of Farm Fresh Food in Institutional Settings by Education Chefs, Youth, and Local Farmers Through Demonstrations, Workshops, and Visual References	\$7,448	Ann Swanson Hendrick House
FNC15-1018	Utilizing precision application of cover crops to minimize planting challenges while maximizing benefits to corn	\$7,289	Ralph Upton, Jr. Upton farms
FNC15-1019	Developing a method to capture and authenticate single varietal honey on diverse landscapes	\$11,734	Maggie Wachter Second Nature Honey
FNC13-918	Marcoot Jersey Creamery Comprehensive Food Safety Program	\$7,495	Beth Marcoot Marcoot Jersey Creamery
FNC13-920	Establishing a Year-round Urban Greenhouse Herb Garden	\$7,500	Emmanuel Pratt
FNC13-930	Developing Vertically Integrated Edible Bio-systems in a USDA Hardiness Zone 5 Environment	\$6,923	Dave Bishop PrairieErth Farm
FNC13-905	Growing hydroponic fodder for dairy goats on a limited acreage farm	\$7,500	Linda DuShane Heart's Quest Dairy Goats
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
FNC10-835	Four-Season Vegetable Production Utilizing High Tunnels, Floating Row Cover, and a Compost Heat Exchanger.	\$5,994.19	Phillip Swartz Moraine View Farm
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	\$2,955.73	Clarence Burton

	local marketing of organic vegetable crops		
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
FNC04-540	Integrated Cultural Production Methods for Maximum Okra Seed Yields	\$4,933	Michael Vincent
FNC04-497	Determination of an Economically Optimal Organic Control of Onion Maggots in Allium Crops	\$1,405	Lisa Haynes
FNC04-518	Resource Center City Farm	\$5,950	Kristine Greiber
FNC04-520	Three Little Fishes	\$5,998	Brenda Lyons
FNC04-524	Conducting a Variety Trial to Find the Best Marketable Organic Tomato Product	\$5,910	Louis Reuschel Ocean Farm
FNC04-533	Growing Fish & Plants in a Aquaponic System	\$4,848	Lori Bahre

FNC04-536	Use of Worm Casting Extract in Ag Production	\$4,048	Don Spiker
FNC03-446	Reinventing the Family Farm	\$5,263	Brenda Lyons
FNC03-457	Student Producers for the Future	\$5,960	Louis Reuschel Ocean Farm
FNC03-441	Raising Tilapia Fish in Tanks Along with Plants and Vegetables in Beds	\$15,930	Irene Seals
FNC02-409	Year-Round Management Intensive Grazing	\$5,820	Jason Smith
FNC02-428	Future Farming Families	\$14,970	Ida Thurman
FNC01-338	North Central Region Paddlefish Polyculture	\$14,378	Scott Miller
FNC01-375	Re-Introduction of Flax as a Viable Economic and Rotational Crop in an Organic System (Phase II)	\$2,063	Joel Rissman
FNC01-382	Alternative Agriculture in Southern Illinois	\$2,530	Robert Boyd
FNC01-385	Production of Black Bass in Southern Illinois Coal Mine Lakes	\$5,000	Pam Wilkey
FNC00-309	Incorporating Rotational Grazing in the Crop Rotation	\$5,000	Raymond Meismer
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
FNC99-283	Phase 1 of Reuschel's Sustainable Demonstration Farm	\$3,800	Louis Reuschel Ocean Farm
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
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
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 VanHoveln
FNC92-022	Establishment of Native Warm and Cool Season Grasses on Highly Erodible Land	\$2,951	Michael and Debi Herren

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GNC17-238	Understanding aphidophagous hoverfly winter survival strategies in Midwest farmscapes to improve conservation biological control	\$11,993	Dr.Alexandra Harmon-Threatt Washington University Scott Clem
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	\$9,990	Mohammad Babadoost

	Eradication of Xanthomonas cucurbitae in Pumpkin Seed		University of Illinois Xiaoyue Zhang University of Illinois
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
GNC08-100	Evaluation soil quality and lead in Chicago community and school gardens	\$9,857	Michelle Wander Laura Witzling UW-Madison
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 Models to Improve Management of Oriental Fruit Moth (OFM) in Apples and Peaches	\$10,000	Dr.Richard Weinzierl University of Illinois Moneen Jones University of Illinois at Urbana-Champaign
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
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ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
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	Michelle Wander
ONC16-017	Evaluating and Sharing Techniques in Silvopasture Establishment	\$29,951	Keefe Keeley Savanna Institute
ONC15-005	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
YENC17-109	Prairie Farm Corps Youth Development Program	\$2,000	Shannon McBride Liberty Prairie Foundation
YENC17-119	Sustainable Agriculture Youth Workforce Development Program	\$2,000	Marnie Record Lincoln Land Community College
YENC16-097	Sustainable Agriculture Technology Summer Camp	\$2,000	Thomas Eley Triton College Tricia Wagner Triton College
YENC16-105	Boys & Girls Club Community Garden	\$2,000	Alana Reynolds Grow Springfield (Illinois Stewardship Alliance)
YENC15-082	Hands-on sustainable agriculture using chestnuts and hazelnuts	\$2,000	Dee Scott Casey-Westfield CUSD #C-4 Bryan Bennett Casey-Westfield High School
YENC15-091	Building Community and Growing Food with the Next Generation	\$2,000	Tod Satterthwaite Sola Gratia Farm
YENC14-075	Urban Agriculture Summer Institute	\$1,997	Dr.Fredric Miller Joliet Junior College
YENC14-080	Manos, Tierra, y Alimento (Hands, Soil, and Food)	\$2,000	Liz Whitehurst Angelica Organics Learning Center

YENC13-065	PRIDE Garden (Positive, Respectful, Impressive, Disciplined, Educated)	\$1,996.76	Monica Pierce Freeport High School
YENC12-049	Curriculum and Community Discussion Guide to Accompany the Educational film Deep Roots	\$1,909.50	Janice Hill Kane County
YENC12-050	Growing a Future	\$1,960	Dan Kenney

YOUTH GRANTS

Project #	Project Title	SARE support	Project Leaders
YNC10-052	How can I fit pigs into my family's farm?	\$400	Lydia Gioja Joy of Illinois Farm
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
YNC08-012	Compositing Public Waste for the Community Garden	\$400	Louisha Anthony
YNC08-009	Raising A Heritage Breed of Poultry	\$400	Eric Lehrer

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
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

**Total funding from the USDA SARE program to
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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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