



# AGRICULTURE PROJECTS FUNDED IN KENTUCKY

by USDA's  
Sustainable Agriculture Research and Education (SARE) Program  
1988-2016

Kentucky has been awarded \$3,552,346 to support 76 projects, including but not limited to, 12 research and/or education projects, 19 professional development projects and 23 producer-led projects. Kentucky 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
<a href="#">LS16-272</a>	Cover Crops Under Cover: Evaluating Costs, Benefits, and Ecosystem Services of Cover Crops in Year-Round High Tunnel Production Systems	\$241,615	Krista Jacobsen University of Kentucky
<a href="#">LS14-265</a>	Jump Starting New Pawpaw Variety Production for the Industry: Developing Grafting and Top Working Approaches for Growers	\$203,395	Kirk Pomper Kentucky State University
<a href="#">LS12-251</a>	Mapping Sustainable Farm Systems: An Integrated Focus on Upper South New Producers as Catalysts of "Good Stewardship"	\$270,000	Dr.Keiko Tanaka University of Kentucky
<a href="#">LS06-185</a>	Biofumigation for soil health in organic high tunnel and conventional field vegetable production systems	\$170,000	Dr.Michael Bomford Kentucky State University
<a href="#">LS03-151</a>	Development of Organic Production Practices for Pawpaw on Selected Rootstocks	\$153,698	Kirk Pomper Kentucky State University
<a href="#">LS03-182</a>	Review of SSARE-funded Soil and Water Quality Projects: 1988-2003	\$50,000	Victoria Mundy Bhavsar University of Kentucky Research Foundation
<a href="#">LS01-127</a>	Organic Management of Cucumber Beetles in Cucurbits	\$134,038	John Sedlacek Kentucky State University Gary Cline Kentucky State University
<a href="#">LS99-104</a>	Enhancing Farmers' Income through Polyculture of Paddlefish with Catfish in the Southern Region	\$140,135	Stephen D. Mims Kentucky State University
<a href="#">LS99-105</a>	Enhancing Feasibility for Range Poultry Expansion	\$175,740	Steven Muntz Heifer International

<a href="#">LS99-098</a>	Organic Vegetable Production for Limited Resource Farmers	\$19,100	Gary Cline Kentucky State University
<a href="#">LS97-089</a>	Integration of Freshwater Prawn Nursery and Growout Systems Into Diversified Farm Systems	\$155,197	James H. Tidwell Kentucky State University
<a href="#">LS92-050</a>	Participatory Assessment for Strategic Planning in Sustainable Agriculture Research and Education	\$183,550	James V. Worstell Community Farm Alliance

#### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">ES16-130</a>	Training Extension agents in Kentucky and Oklahoma on the Food Safety Modernization Act and food safety, sanitation, and good hygiene practices related to products for sale at farmers market	\$78,166	Paul Priyesh Vijayakumar University of Kentucky
<a href="#">ES10-101</a>	Developing a Training Program in Sustainable Vegetable Production for Agricultural Professionals in Kentucky and Tennessee	\$59,532	Dr.Timothy Coolong University of Kentucky
<a href="#">ES07-087</a>	Kentucky Sheep and Goat Herder Curriculum - Phase I	\$90,000	Ricky Yeagan University of Kentucky Cooperative Extension Service
<a href="#">ES05-081</a>	Regional Meat Goat Production and Marketing Project: Phase 2	\$9,578	Dr.Marion Simon Kentucky State University
<a href="#">ES05-082</a>	Regional Meat Goat Production and Marketing Project: Phase 2	\$20,000	Dr.Marion Simon Kentucky State University
<a href="#">ES05-080</a>	Small-Scale Poultry Production: Sustainability Training	\$129,530	Steven Muntz Heifer International
<a href="#">ES04-074</a>	Enhancing Alternative Niche Market & Retail Opportunities for Agricultural Products	\$47,127	Betty King University of Kentucky
<a href="#">ES04-075</a>	Regional Goat Production and Marketing Project	\$84,550	Dr.Marion Simon Kentucky State University
<a href="#">ES04-072</a>	The Value-added Microprocessor Project	\$94,228	Sandra Bastin University of Kentucky
<a href="#">ES03-070</a>	Barriers and Opportunities for Adding Value to Small Ruminant Animals	\$44,490	Betty King University of Kentucky
<a href="#">ES02-063</a>	Adding Value with Small-Scale Fruit and Vegetable Processing	\$41,965	Betty King University of Kentucky
<a href="#">ES01-052</a>	"The Third Tuesday-Thursday Thing": Building on Kentucky's Experiences and	\$50,000	Dr.Marion Simon Kentucky State University

	Expanding the Sustainable Agriculture Educational Model into Tennessee		
<a href="#">ES00-049</a>	Nutrient Management Plans as Tools to Achieve Sustainable Animal Waste Utilization	\$83,056	Stephen Coleman Kentucky Division of Conservation
<a href="#">ES00-048</a>	Training in Size Appropriate Technology for Hill Farmers	\$84,686	Betty King University of Kentucky
<a href="#">ES97-026</a>	Community Food Security and Marketing Capacity Development in Kentucky	\$79,970	Karen Armstrong-Cummings Commodity Growers Cooperative
<a href="#">ES97-028</a>	Grass-roots Empowerment in Kentucky's Local Conservation Districts: Leadership Training on Sustainable Land and Water Quality Management Practices	\$86,280	Stephen Coleman Kentucky Division of Conservation
<a href="#">ES97-015</a>	Kentucky Cooperative Extension System Training Project	\$50,000	Dr. Marion Simon Kentucky State University
<a href="#">ES97-032</a>	Responding to Expressed Needs: SARE/ACE Regional Training with the Sustainable Dairy Systems Manual and Software	\$48,500	Dr. Clark Garland University of Tennessee Steve Isaacs University of Kentucky
<a href="#">LST96-011</a>	Southern Gathering on Agricultural Problem Solving	\$52,000	Ronald J. Hustedde University of Kentucky

#### FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">FS14-279</a>	A comparison of organic no-till and traditional tillage/cultivation systems on a small-scale vegetable farm	\$2,344	Maggie Bowling River Bend Farm
<a href="#">FS12-258</a>	Soil Analysis Directed Ground Cover Approaches to Excessive Canopy and Weed Control in Southern Vineyards	\$7,007	Dr. David Hall Eddy Grove Vineyard, Inc
<a href="#">FS06-204</a>	Developing Dual Purpose Quail for Small Farmers	\$7,600	Martin H. Meers Black Forest Poultry Farm
<a href="#">FS04-182</a>	Control of Internal Parasites in Goats with Rotational Grazing of Sericea Lespedeza	\$7,289	Wayne Kirby
<a href="#">FS03-168</a>	Kentucky Coordinated Poultry Alliances	\$7,086	Matthew D. John Shady Lane Poultry Farm, Inc.
<a href="#">FS02-148</a>	Market Enhancement and Outreach Project	\$12,800	Janet Eaton Farm & Garden Market Cooperative Association
<a href="#">FS01-130</a>	Improving Salad Mix Quality and Yield Through Soil Management and Post Harvest Techniques	\$9,600	Carol Cassedy C/O Whitestone Organic Farm
<a href="#">FS01-137</a>	Marketing Edamame Soybeans in Kentucky	\$9,133	Sara McNulty Wildwood Acres

<a href="#">FS01-144</a>	Opti-Maizing Beef Cattle Profits and Environmental Quality	\$12,716	Beth Wilson Pulaski County Ag. Advancement Council
<a href="#">FS01-141</a>	Pastured poultry production	\$7,003	Mac Stone
<a href="#">FS00-126</a>	Locally Produced Chicks for Use in Pastured Poultry System	\$9,869	Laura Rogers
<a href="#">FS00-109</a>	Marketing Timber After Adding Value Through the Use of One-Person Sawmills and Solar Kilns	\$10,000	Michael Best
<a href="#">FS99-100</a>	Alternative Pollinators	\$3,475	Roger Smith
<a href="#">FS99-084</a>	Utilization of Wood Waste and Agricultural By-products in High-value Gourmet Mushroom Production	\$9,507	Gary Anderson
<a href="#">FS98-066</a>	Adding Value to Kentucky Grown Produce Through Season Extension and Market Development	\$8,670	Ann Bell Elmwood Stock Farm
<a href="#">FS97-056</a>	Managed Grazing System to Increase Sustainability	\$2,630	Evan McCord Madison County Beef Cattle Association
<a href="#">FS97-062</a>	Maximizing Corn Production in the Mountains of Southeast Kentucky	\$4,955	David Teague Henderson Settlement
<a href="#">FS97-055</a>	Overwintering Survival of Kentucky Honeybees	\$5,283	Mark Q. Lee
<a href="#">FS97-046</a>	Sustainability Starts at Home-Building Regional Self Reliance through Agritourism	\$9,580	Karen Armstrong-Cummings Commodity Growers Cooperative
<a href="#">FS96-039</a>	Group Strategic Alliances for Carroll County Feeder Calves	\$10,000	Tim Hendrick Kentucky Cooperative Extension Service
<a href="#">FS96-040</a>	Technical Assistance for Meat Goat Marketing	\$8,900	Neil Hoffman Eastern Kentucky Goat Producers Association
<a href="#">FS95-031</a>	Improving Quality of Slaughter Hogs as a Marketing Strategy for Small Producers	\$9,150	Judy Williams Bluegrass Pork Producers
<a href="#">FS94-017</a>	Shrimp Polyculture in Existing Farms	\$3,109	Mark & Carolyn Straw Straw Ridge Farm

### GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
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<a href="#">GS13-125</a>	Economic Analysis of Commercial Aquaponic Production Systems	\$9,975	Kevin Heidemann University of Kentucky Dr.Timothy Woods University of Kentucky
<a href="#">GS08-065</a>	Effects of organic amendments on aggregation and microbial community dynamics in soils	\$10,000	Shawn Lucas University of Kentucky - Dept. of Plant and Soil Sciences
<a href="#">GS08-072</a>	Sustainable Management for Scarab Pests Impacting Grape Production in the Southern Region	\$9,750	Dr.Derrick Hammons University of Kentucky Dr.Daniel Potter Dept. of Entomology
<a href="#">GS02-014</a>	Streambank Erosion Associated with Grazing Activities in Kentucky	\$9,836	Carmen Agouridis University of Kentucky
<a href="#">GS00-003</a>	Resilience of Nitrogen Availability and Retention in Soils of Kentucky Certified Organic Farms	\$6,900	Mark Coyne University of Kentucky

### ON-FARM RESEARCH/PARTNER GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">OS16-099</a>	Alternative Substrate for Soilless Production of Vegetables	\$12,834	Shubin Saha University of Kentucky
<a href="#">OS16-097</a>	Brassicaceous Cover Crops to Reduce Root Knot Nematode and Improve Soil Quality in Protected Tomato Production Systems	\$14,990	Emily Pfeufer University of Kentucky
<a href="#">OS14-092</a>	A New Appropriate Technology Machine System to Benefit the Sustainability of Local Organic Vegetable Production	\$14,906	Dr.John Wilhoit University of Kentucky
<a href="#">OS13-070</a>	Clinical Mastitis Incidence in Compost Bedded Pack Barns as Compared to Freestall Barns	\$13,750	Dr.Jeffrey Bewley University of Kentucky
<a href="#">OS13-076</a>	Elucidating the Spread and Transmissibility of Blueberry Mosaic Virus, a New Disease of Blueberry in the Southeastern U.S.	\$15,000	Dr.Nicole Ward Gauthier University of Kentucky
<a href="#">OS09-047</a>	Sweetpotatoes: A profitable crop for small farms in rural Eastern Kentucky	\$14,791	Dr.Timothy Coolong University of Kentucky Sarah Fannin University of Kentucky Cooperative Extension
<a href="#">OS04-019</a>	Production Costs and Techniques for Blueberry Establishment in Eastern Kentucky	\$3,764	Matt Ernst University of KY
<a href="#">OS03-011</a>	Goat Friendly Pastures	\$14,975	Terry Hutchens Univ of Kentucky & Kentucky State Univ
<a href="#">OS03-014</a>	Kentucky Blueberry Market Development	\$4,786	Dr.Timothy Woods University of Kentucky
<a href="#">OS03-008</a>	Limiting Grazing Cattle Access to Ponds to Improve Water Quality, and water and	\$14,945	Stephen Workman University of Kentucky

## Feed Intake

<a href="#">OS03-009</a>	Year Round Beef Cattle Grazing Strategy to Eliminate or Reduce the Use of Stored Feeds	\$15,000	David Ditsch
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**COMMUNITY INNOVATION GRANTS**

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">CS09-069</a>	New opportunities on the Farm - Community and Farm Revitalization in Five Eastern Kentucky Counties	\$10,000	Gayle Clevenger East Kentucky Foothills Eco-Agritourism, Corp
<a href="#">CS07-052</a>	Growing healthy markets: healthy farms, healthy food project	\$10,000	Donald Van Erden Community Farm Alliance Elizabeth Ledford Community Farm Alliance
<a href="#">CS04-025</a>	Aquaculture Development in the Pine Mountain Region of Southeast Kentucky	\$10,000	Paul Pratt Southeast Community College
<a href="#">CS04-020</a>	Women Taking the Lead for Kentucky Agriculture	\$9,900	Gae Broadwater Kentucky Women in Agriculture, Inc.
<a href="#">CS03-013</a>	Expanding Community-Based Retail Opportunities for Agricultural Products Through the Woodford County Farmers' Market Association	\$9,700	Betty King University of Kentucky
<a href="#">CS02-006</a>	Keen on Beans: Establishing Edamame Awareness and Demand for Kentucky Consumers and Growers	\$8,712	Martha Lee U of KY Cooperative Extension Service-- Daviness Co.

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**Total funding from the USDA SARE program to  
Kentucky  
\$3,552,346**

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For further information on projects, contact Candace Pollock, Southern SARE public relations coordinator, at (770) 412-4786 or [cpollock@uga.edu](mailto:cpollock@uga.edu).

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