



Sustainable Agriculture  
Research & Education

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# AGRICULTURE PROJECTS FUNDED IN TENNESSEE

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

Tennessee has been awarded \$1,853,540 to support 53 projects, including but not limited to, 9 research and/or education projects, 5 professional development projects and 18 producer-led projects. Tennessee 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="#">LS13-254</a>	Improving Fitness in Meat Goat Herds through Better Genetic Management	\$230,000	Dr. Richard Browning, Jr. Tennessee State University
<a href="#">LS12-253</a>	Breeding Organic Corn varieties to resist GMO contamination	\$48,183	Dr. Dennis West University of Tennessee
<a href="#">LS05-172</a>	Forage systems for the sustainable production of uniform goat carcasses	\$200,000	Richard Joost University of Tennessee at Martin
<a href="#">LS03-147</a>	Bioactive Natural Products: A feasible method of organic disease management in float bed production systems	\$19,883	Kimberly Gwinn University of Tennessee
<a href="#">LS03-152</a>	Improving Organic Crop Production with Enhanced Biofumigation and Composting Systems	\$273,440	Carl Sams The University of Tennessee
<a href="#">LS95-068</a>	Using Farm Family Studies to Teach Sustainable Agriculture	\$146,630	Tim Cross University of Tennessee, Ag Economics
<a href="#">LS94-064</a>	Development of Sustainable Area-Wide Weed Management Practices for Improved Land Utilization (AS93-08)	\$3,760	Jerome F. Grant University of Tennessee, Entomology & Plant Pathology
<a href="#">LS93-052</a>	Utilization of Dairy Manure in Low-input, Conservation Tillage Animal Feed Production Systems	\$90,635	Michael D. Mullen University of Tennessee, Plant and Soil Science
<a href="#">LS90-022</a>	Influence of Integrated Pest Management (IPM) On Low-input Sustainable Agriculture (LISA) in the Southern Region	\$25,000	Charles H. Hadden University of Tennessee

## PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">ES14-121</a>	Sustainable ACEs (Agriculture, Curricula, Energy) for Tennessee	\$77,757	Dr. Jason deKoff Tennessee State University
<a href="#">ES03-069</a>	Training Educators to Protect Honey Bee Pollinators with Sustainable Pest Management	\$126,648	John Skinner Univ. Tennessee
<a href="#">ES02-061</a>	A Statewide Journey of Sustainable Success: Hands-On Training	\$48,000	Rob Holland Center for Profitable Agriculture
<a href="#">ES97-029</a>	Implementing Tennessee's Strategic Plan for Sustainable Agriculture: Utilizing On-Farm Case Studies for Teaching Advanced Management and Marketing to Extension Staff	\$10,000	Dr. Clark Garland University of Tennessee
<a href="#">LST94-004</a>	Sustainable Dairy Systems Manual and Training	\$90,000	Dr. Clark Garland University of Tennessee

#### **FARMER/RANCHER GRANTS**

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">FS12-263</a>	Selective breeding of honey bees for multiple traits with a priority on nosema disease resistance	\$10,000	Michael Wilson Rosecomb Apiaries
<a href="#">FS10-241</a>	Sustainable Cultivation of Plant-derived Indigo for Diversification and On-farm Value-added Dye Pigment Production	\$9,871	Sarah Bellos Interdependence Farm
<a href="#">FS07-221</a>	Natural Comb Management of Honey Bees for Varroa Control	\$15,000	Michael Wilson
<a href="#">FS07-214</a>	Sustainable Low-Cost Heating for Season Extension Structures	\$14,928	Steve Hodges Clinch Appalachian Farm Enterprises
<a href="#">FS06-203</a>	A Demand-Driven Approach to Specialty Crop Market Development	\$12,324	Dianne Levy Appalachian Spring Cooperative
<a href="#">FS06-200</a>	Establishing Natural Controls of Competitive Fungi in the Production of Shiitake Mushrooms	\$8,832	James Day
<a href="#">FS05-188</a>	Aquaculturally Derived Products as Fertilizers for High-value Organic Crop Production	\$9,953	Marc Cardoso
<a href="#">FS05-189</a>	Salsa Pepper Project	\$9,660	Sara Gardner
<a href="#">FS04-181</a>	Selection of Hygienic Honey Bee Queens Resistant to Tracheal Mites	\$9,987	Edwin Holcombe
<a href="#">FS02-155</a>	Cooperating for Success: Building a Value-added Marketing Cooperative for	\$15,000	Paul Miller Appalachian Spring Cooperative

	Advantage in the Marketplace		
<a href="#">FS02-157</a>	Northern Tennessee Farmer's Association Cooperative Farmers Market Project	\$13,755	Michael Osborne Northern Tennessee Farmer's Assn. Cooperative
<a href="#">FS01-131</a>	Fungicidal Effects of Compost Tea on Organic Strawberry Production	\$9,814	John Dysinger Bountiful Blessings Organic Farm
<a href="#">FS99-103</a>	Evaluating the Cost of Production of Row Crops Using Precision Farming Technologies	\$7,816	J. Tucker
<a href="#">FS99-087</a>	The Effect of Municipal Compost on Christmas Trees	\$6,985	Curtis Buchanan
<a href="#">FS96-045</a>	Grazing Alternatives to Tall Fescue for Stocker Cattle	\$9,982	Chris Pitts
<a href="#">FS96-042</a>	Low Input Sustainable Agriculture Short Course	\$9,650	Alexander McGregor
<a href="#">FS96-043</a>	Sustainable Cultivation of Medicinal Herbs as a Cash Crop Alternative to Tobacco	\$5,004	Paul D. Miller Tamsen Farm
<a href="#">FS94-012</a>	Swine Lagoon Management System	\$10,000	Kenneth Moore

#### GRADUATE STUDENT GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">GS16-157</a>	Integration of Silvopasture and Nut Production in the Southeast	\$7,906	Dr.Hill Craddock University of Tennessee at Chattanooga
<a href="#">GS16-155</a>	Sustainable Management of Soil-borne Diseases in Nursery Production	\$11,000	Dr.Fulya Baysal-Gurel Tennessee State University
<a href="#">GS14-128</a>	Assessment of beneficial microorganisms: Trichoderma, Actinomycetes, and Bacillus in anaerobic soil disinfestation (ASD)	\$10,993	Dr.David Butler The University of Tennessee
<a href="#">GS13-124</a>	Examining the Influence of Farmers' Market Managers Perceived Roles on Business Opportunities for Small- and Moderate-size Farms and Access to Healthful Foods for Low-income Households	\$6,479	Dr.Deborah Slawson East Tennessee State University Rachel Ward East Tennessee State University
<a href="#">GS10-095</a>	Efficacy of entomopathogenic fungi in an integrated pest management plan for cucumber beetles in melons and pumpkins	\$8,154	Mary Rogers University of Tennessee
<a href="#">GS09-086</a>	Testing the efficacy of three new alternative treatments for Nosema disease of honey bees in Tennessee	\$9,963	Paul Rhoades University of Tennessee

<a href="#">GS08-077</a>	Providing habitat for native pollinators and determination of native pollinator contribution to pollination of cucurbits and blueberries at farm sites	\$10,000	Michael Wilson Rosecomb Apiaries
<a href="#">GS04-038</a>	Determining Cost-Effectiveness of Best Management Practices in Sustainable Watershed Management: A Decision-Making Tool for Restoring Bullrun Creek	\$9,910	Joanne Logan University of Tennessee
<a href="#">GS02-016</a>	Collaborative Learning among Farmers as an Approach to Alternative Agricultural Education	\$9,540	John Peters University of Tennessee Robin Fazio Sonrisa Farm
<a href="#">GS01-011</a>	Suppression of Soilborne Phytopathogenic Fungi of Tomatoes via Integrated Production Systems that Utilize Biofumigation, Composted Amendments, Solarization, and Chemical Fumigants.	\$10,000	Carl Sams The University of Tennessee
<a href="#">GS00-002</a>	Control of Soilborne Plant Pathogens of tomatoes with incorporation of Indian Mustard ( <i>Brassica juncea</i> )	\$10,000	Carl Sams The University of Tennessee

#### ON-FARM RESEARCH/PARTNER GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">OS14-084</a>	Incorporating a cover crop into field grown nursery production to manage flatheaded appletree borer with the simultaneous benefit of improved and sustainable weed management	\$14,997	Dr.Karla Adesso Tennessee State University
<a href="#">OS11-057</a>	Organic forage production systems for organic dairies in the Southern region	\$14,993	Dr.David Butler The University of Tennessee
<a href="#">OS02-002</a>	Specialty Flowering Bulbs as a Sustainable Alternative Crop for Tobacco Farmers in Middle Tennessee	\$14,910	Steve Garton

#### COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">CS10-075</a>	Building Sustainable Families through a Celebration of Low-Impact and Organic Community-Supported Agriculture	\$10,000	Ruth Correll UT Extension, Wilson County
<a href="#">CS10-077</a>	Live Green and Prosper Community Education and Outreach Initiative	\$10,000	Erica Duarte Upper Cumberland Broadcast Council - WCTE
<a href="#">CS07-056</a>	"Gathering" of Homestead Economic and Entrepreneurs of Food Based, Organic Foods and Other Related Businesses	\$10,000	Martha Pile UT Extension of Montgomery County
<a href="#">CS07-056A</a>	"Gathering" of Homestead Economic and Entrepreneurs of Food Based, Organic Foods and Other Related Businesses	\$10,000	Martha Pile UT Extension of Montgomery County
<a href="#">CS06-049</a>	Appalachian Sustainable Agriculture and Energy Project	\$40,000	John Jackson Appalachian Native Plants Inc

<a href="#">CS06-048</a>	Schools + Potatoes Upper E. Tennessee Development System (SPUDS)	\$39,762	Steve Hodges Clinch Appalachian Farm Enterprises
<a href="#">CS02-004</a>	Homegrown, From Our Farms to Your Table: Growing a Farmers' Cooperative in East Tennessee	\$6,436	Steve Hodges Clinch Appalachian Farm Enterprises

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**Total funding from the USDA SARE program to  
Tennessee  
\$1,853,540**

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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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