



AGRICULTURE PROJECTS FUNDED IN TENNESSEE

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

Tennessee has been awarded \$2,386,347 grants to support 65 projects, including but not limited to, 10 research and/or education projects, 6 professional development projects and 22 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
LS18-287	Cover Crops in Woody Ornamental Production: Impact on Plant Growth, Arthropod Pests, Soil-Borne Pathogens and Weeds	\$284,869	Dr.Karla Addesso Tennessee State University
LS13-254	Improving Fitness in Meat Goat Herds through Better Genetic Management	\$230,000	Dr.Richard Browning, Jr. Tennessee State University
LS12-253	Breeding Organic Corn varieties to resist GMO contamination	\$48,183	Dr.Dennis West University of Tennessee
LS05-172	Forage systems for the sustainable production of uniform goat carcasses	\$200,000	Richard Joost University of Tennessee at Martin
LS03-147	Bioactive Natural Products: A feasible method of organic disease management in float bed production systems	\$19,883	Kimberly Gwinn University of Tennessee
LS03-152	Improving Organic Crop Production with Enhanced Biofumigation and Composting Systems	\$273,440	Carl Sams The University of Tennessee
LS95-068	Using Farm Family Studies to Teach Sustainable Agriculture	\$146,630	Tim Cross University of Tennessee, Ag Economics
LS94-064	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
LS93-052	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
LS90-022	Influence of Integrated Pest	\$25,000	Charles H. Hadden

Management (IPM) On Low-input Sustainable Agriculture (LISA) in the Southern Region

University of Tennessee

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ES18-141	Soil SMaRTS (Specific Management and Resources Training for Sustainability) for Soil Health in Tennessee	\$77,413	Dr.Jason deKoff Tennessee State University
ES14-121	Sustainable ACEs (Agriculture, Curricula, Energy) for Tennessee	\$77,757	Dr.Jason deKoff Tennessee State University
ES03-069	Training Educators to Protect Honey Bee Pollinators with Sustainable Pest Management	\$126,648	Dr.John Skinner Univ. Tennessee
ES02-061	A Statewide Journey of Sustainable Success: Hands-On Training	\$48,000	Rob Holland Center for Profitable Agriculture
ES97-029	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
LST94-004	Sustainable Dairy Systems Manual and Training	\$90,000	Dr.Clark Garland University of Tennessee

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FS18-310	Increasing Farm Fertility and Profits with Mushroom Mulches	\$9,774	David Wells, III Henosis
FS17-294	Adaptive Winter Squash	\$1,822	Megan Allen Care of the Earth Community Farm
FS17-295	Incorporating Conservation Solutions into Alternative Crop Transplant Systems	\$9,999	Sarah Bellos Farmer
FS17-297	Bacillus thuringiensis var. Israelensis as a Larvacidal on a Rotational Grazing System for Ruminants to Combat Haemonchus contortus	\$10,000	Jo Ann Harris Farmer
FS12-263	Selective breeding of honey bees for multiple traits with a priority on nosema disease resistance	\$10,000	Michael Wilson Rosecomb Apiaries
FS10-241	Sustainable Cultivation of Plant-derived Indigo for Diversification and On-farm Value-added Dye Pigment Production	\$9,871	Sarah Bellos Farmer
FS07-214	Sustainable Low-Cost Heating for Season Extension Structures	\$14,928	Steve Hodges Clinch Appalachian Farm Enterprises

FS07-221	Natural Comb Management of Honey Bees for Varroa Control	\$15,000	Michael Wilson
FS06-200	Establishing Natural Controls of Competitive Fungi in the Production of Shiitake Mushrooms	\$8,832	James DAy
FS06-203	A Demand-Driven Approach to Specialty Crop Market Development	\$12,324	Dianne Levy Appalachian Spring Cooperative
FS05-188	Aquaculturally Derived Products as Fertilizers for High-value Organic Crop Production	\$9,953	Marc Cardosa
FS05-189	Salsa Pepper Project	\$9,660	Sara Gardner
FS04-181	Selection of Hygienic Honey Bee Queens Resistant to Tracheal Mites	\$9,987	Edwin Holcombe
FS02-157	Northern Tennessee Farmer's Association Cooperative Farmers Market Project	\$13,755	Michael Osborne Northern Tennessee Farmer's Assn. Cooperative
FS02-155	Cooperating for Success: Building a Value-added Marketing Cooperative for Advantage in the Marketplace	\$15,000	Paul Miller Appalachian Spring Cooperative
FS01-131	Fungicidal Effects of Compost Tea on Organic Strawberry Production	\$9,814	John Dysinger Bountiful Blessings Organic Farm
FS99-087	The Effect of Municipal Compost on Christmas Trees	\$6,985	Curtis Buchanan
FS99-103	Evaluating the Cost of Production of Row Crops Using Precision Farming Technologies	\$7,816	J. Tucker
FS96-042	Low Input Sustainable Agriculture Short Course	\$9,650	Alexander McGregor
FS96-043	Sustainable Cultivation of Medicinal Herbs as a Cash Crop Alternative to Tobacco	\$5,004	Paul D. Miller Tamsen Farm
FS96-045	Grazing Alternatives to Tall Fescue for Stocker Cattle	\$9,982	Chris Pitts
FS94-012	Swine Lagoon Management System	\$10,000	Kenneth Moore

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GS17-175	Investigating the Impact of Plant Spacing on Yields of Sweet Potato	\$16,443	Dilip Nandwani Tennessee State University

	Produced in Organic Systems		Sochinwechi Nwosisi Tennessee State University
GS17-168	Evaluating Soil Microbial Communities and Cropping Systems for Biomass Feedstock Production on Degraded Lands	\$14,838	E. Kudjo Dzantor Tennessee State University Ekundayo Adeleke Tennessee State University
GS16-155	Sustainable Management of Soil-borne Diseases in Nursery Production	\$11,000	Dr.Fulya Baysal-Gurel Tennessee State University Prabha Liyanapathirana
GS16-157	Integration of Silvopasture and Nut Production in the Southeast	\$7,906	Dr.Hill Craddock University of Tennessee at Chattanooga Conrad Blunck
GS14-128	Assessment of beneficial microorganisms: Trichoderma, Actinomycetes, and Bacillus in anaerobic soil disinfestation (ASD)	\$10,993	Dr.David Butler The University of Tennessee Utsala Shrestha University of Tennessee, Plant Sciences
GS13-124	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
GS10-095	Efficacy of entomopathogenic fungi in an integrated pest management plan for cucumber beetles in melons and pumpkins	\$8,154	Annette Wszelaki University of Tennessee Mary Rogers University of Tennessee
GS09-086	Testing the efficacy of three new alternative treatments for Nosema disease of honey bees in Tennessee	\$9,963	Dr.John Skinner Univ. Tennessee Paul Rhoades University of Tennessee
GS08-077	Providing habitat for native pollinators and determination of native pollinator contribution to pollination of cucurbits and blueberries at farm sites	\$10,000	Dr.John Skinner Univ. Tennessee Michael Wilson Rosecomb Apiaries
GS04-038	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 Candice Jones University of Tennessee
GS02-016	Collaborative Learning among Farmers as an Approach to Alternative Agricultural Education	\$9,540	John Peters University of Tennessee Robin Fazio Sonrisa Farm
GS01-011	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 Martin Lyons University of Tennessee
GS00-002	Control of Soilborne Plant Pathogens of tomatoes with incorporation of Indian Mustard (Brassica juncea)	\$10,000	Carl Sams The University of Tennessee Stephanie G Harvey Georgia Southwestern State University

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
OS18-112	Biofumigants for Sustainable Soil-borne Disease Management in Nursery	\$15,000	Dr.Fulya Baysal-Gurel Tennessee State University

Production

OS17-101	Amblyseius swirksii Athias-Henriot for Control of Arthropod Pests in Woody Ornamental Propagation	\$14,872	Dr.Karla Adesso Tennessee State University
OS14-084	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
OS11-057	Organic forage production systems for organic dairies in the Southern region	\$14,993	Dr.David Butler The University of Tennessee
OS02-002	Specialty Flowering Bulbs as a Sustainable Alternative Crop for Tobacco Farmers in Middle Tennessee	\$14,910	Steve Garton

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
CS10-075	Building Sustainable Families through a Celebration of Low-Impact and Organic Community-Supported Agriculture	\$10,000	Ruth Correll UT Extension, Wilson County
CS10-077	Live Green and Prosper Community Education and Outreach Initiative	\$10,000	Erica Duarte Upper Cumberland Broadcast Council - WCTE
CS07-056	"Gathering" of Homestead Economic and Entrepreneurs of Food Based, Organic Foods and Other Related Businesses	\$10,000	Martha Pile UT Extension of Montgomery County
CS07-056A	"Gathering" of Homestead Economic and Entrepreneurs of Food Based, Organic Foods and Other Related Businesses	\$10,000	Martha Pile UT Extension of Montgomery County
CS06-048	Schools + Potatoes Upper E. Tennessee Development System (SPUDS)	\$39,762	Steve Hodges Clinch Appalachian Farm Enterprises
CS06-049	Appalachian Sustainable Agriculture and Energy Project	\$40,000	John Jackson Appalachian Native Plants Inc
CS02-004	Homegrown, From Our Farms to Your Table: Growing a Farmers' Cooperative in East Tennessee	\$6,436	Steve Hodges Clinch Appalachian Farm Enterprises

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
STN17-001	STN17-001 Model State Program	\$55,555	Rob Holland Center for Profitable Agriculture
STN16-001	2016-2017 Model State Program University of Tennessee	\$22,222	Rob Holland Center for Profitable Agriculture

Total funding from the USDA SARE program to Tennessee \$2,386,347



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

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