



AGRICULTURE PROJECTS FUNDED IN GEORGIA

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

Georgia has been awarded \$9,340,401 grants to support 120 projects, including but not limited to, 49 research and/or education projects, 7 professional development projects and 27 producer-led projects. Georgia has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinators:

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RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
LS18-301	Expanding Marketing Opportunities for Dried Nutraceutical Sericea Lespedeza Products for Small-scale Farmers	\$290,000	Thomas Terrill Fort Valley State University
LS18-296	HABESHA Works Program Expansion and Incubator Development	\$30,000	Cashawn Myers HABESHA, Inc.
LS18-293	Building a System of Sustainable Agriculture in the Southeast Black Belt Region Through Education and Technical Assistance	\$47,000	John Littles McIntosh SEED
LS18-290	A Southern Cover Crop Website to Encourage Cover Crop Adoption	\$46,998	Prof. Julia Gaskin University of Georgia
LS18-299	Sustainable Management Options for Whitefly-transmitted Viruses in Cucurbit Production	\$290,000	Rajagopalbabu Srinivasan University of Georgia
LS18-298	Biocontrol with Benefits: Enhancing Sustainability by Adding Value	\$260,000	Dr. David Shapiro-Ilan USDA-ARS
LS17-281	Increasing Practice of Sustainable Forestry Among Minority and Limited-Resource Forest Landowners in Georgia	\$260,888	Puneet Dwivedi University of Georgia
LS17-278	Developing Sustainable Eastern Oyster (<i>Crassostrea virginica</i>) Farming in Georgia Through Evaluation of Grow-out Methodology, Distribution, and Marketing	\$268,000	Thomas Bliss University of Georgia
LS16-269	A Systems Approach for Estimating Plant Available Nitrogen from Organic Materials and Fertilizers	\$248,324	Miguel Cabrera University of Georgia

LS14-262	The Sustainability of Organic Farms Under the H2A Program: Evaluating the Program's Effects on Mitigating Farm Labor Shortages and Maintaining Business Viability	\$101,096	Dr.Cesar Escalante University of Georgia
LS13-257	Using Durana Clover as a Living Mulch in an Integrated Corn and Livestock Production System	\$224,000	Dr.Nicholas Hill University of Georgia
LS13-256	Food Hubs and the Regional Food System: Refining Our Understanding of Best Practices from Foodsheds to Operations	\$230,000	Dr.Carrie Furman University of Georgia Crop and Soil Sciences Department
LS11-240	Organic Farms' Credit Access and Farm Lenders' Assessment of Organic Farms' Credit Risks	\$132,386	Dr.Cesar Escalante University of Georgia
LS11-241	Enhancing Natural Enemy Systems: Biocontrol Implementation for Peachtree Borers	\$226,100	Dr.David Shapiro-Ilan USDA-ARS
LS11-243	Improving the Welfare of Southeastern Dairy Families Through the Adoption of Sustainable Production Systems	\$294,409	Dr.Richard Lacy UGA Dr.Dennis Hancock Univ. of Georgia
LS11-245	Assessing the Food and Environmental Safety and Economic Feasibility of Mobile Slaughter Units for Pasture Poultry Grower	\$240,780	Alali Walid University of Georgia
LS10-225	Evaluation of Crop Rotation for High Value Cool Season Horticultural Crop Production in Organic and Sustainable Systems	\$200,000	Dr.George Boyhan University Of Georgia
LS10-232	Integrating Canola and Sunflower with Organic Grain Production and Southeastern United States	\$245,000	Dr.Glynn Tillman USDA/ARS Harry Schomberg USDA ARS
LS09-222	Fish extracts for integrated disease, insect and fertility management in organic blueberries	\$119,000	Harald Scherm University of Georgia
LS09-220	Does floral farmscaping really improve insect biological control in vegetable systems of the Coastal Plain?	\$165,000	Peter Hartell University of Georgia John Ruberson University of Georgia
LS07-194	Labor input substitution decisions and business sustainability strategies under changing farm labor market conditions: comparative economic viability analyses of organic and conventional farming systems	\$120,000	Dr.Cesar Escalante University of Georgia
LS07-196	Improved efficiency of grazing dairies using complementary pasture species and irrigation scheduling	\$210,000	Dr.Nicholas Hill University of Georgia
LS07-198	Transition strategies for an organic peanut-grain cropping system	\$220,000	Dr.R. Scott Tubbs University of Georgia
LS06-186	Increasing use of sustainable plants in	\$180,000	Dr.Kris Braman

	production and landscape design		University of Georgia
LS06-190	Perennial legumes as a sustainable source of soil organic matter in Southeastern organic farming systems	\$190,000	Carl Jordan University of Georgia
LS05-177	Sustainable Control of Gastro-intestinal Nematodes in Small Ruminants	\$250,000	Thomas Terrill Fort Valley State University
LS04-164	Sustainable Control of Gastrointestinal Nematodes in Small Ruminants using Forages Containing Condensed Tannins	\$15,500	Will R. Getz Fort Valley State University
LS04-159	Profitable alternatives to improve water quality from high nutrient status farms	\$288,000	Dorcas Franklin USDA-ARS J. Phil Campbell, SR. Nat. Res. Con. Cntr
LS03-153	Integrating Biological Control into Pecan Weevil Management: A Sustainable Approach	\$217,500	Dr.David Shapiro-Ilan USDA-ARS
LS02-138	An Investigation of the General and Niche Market Goat Meat Demand	\$161,074	Mack C. Nelson Fort Valley State University
LS02-142	Defining the Research Needs of Farmers in Organic Horticultural Production in the Southeast	\$21,080	Dr.George Boyhan University Of Georgia
LS02-143	Novel Methods for Sustainable Control of Gastrointestinal Nematodes in Small Ruminants	\$254,137	Thomas Terrill Fort Valley State University
LS01-121	Enhancing Sustainability in Cotton Production through Reduced Chemical Inputs, Cover Crops, and Conservation Tillage	\$207,867	Harry Schomberg USDA ARS
LS01-123	Crop/Livestock Integration: Restoring a Traditional Paradigm in Contemporary Agricultural Research, Outreach and Practice	\$21,121	Gary Hill University of Georgia, Animal & Dairy Science Dept
LS01-124	Novel Methods for Sustainable Control of Gastrointestinal Nematodes in Small Ruminants	\$12,600	Thomas Terrill Fort Valley State University
LS00-114	Investigation of Sustainability of Dairy Goat Industry by Innovative Method of Product Development	\$225,470	Young Park Fort Valley State University
LS98-093	Accountability at Local, State, and Federal Levels for Impacts of Agricultural Conservation Practices on Water Quality	\$223,322	Dwight Fisher USDA-ARS-SAA
LS97-088	Producers Assessment of Sustainable Land Management Practices to Protect Water Quality	\$228,864	Jill L. Steiner USDA-ARS, Campbell Center
LS96-078	Saving the Southern Legacy: Heirloom Plants and Local Knowledge for Profitable, Sustainable Agriculture	\$152,816.61	Robert E. Rhoades University of Georgia
LS94-057	Disease and Insect Management Using	\$152,200	Barry Cunfer

	New Crop Rotations for Sustainable Production of Row Crops in the Southeastern United States		University of Georgia
LS93-056	Using Soldier Flies as a Manure Management Tool for Volume Reduction, House Fly Control and Feedstuff Production (AS93-09)	\$2,150	Craig D. Sheppard University of Georgia
LS91-043	Cover Crops for Clean Water: A National Conference on the Role of Cover Crops in Improving Water Quality	\$8,000	William L. Hargrove University of Georgia
LS90-027	A Low-Input Manure Management System in Animal Housing for Housefly Control, Waste Reduction and Feed	\$18,000	Craig D. Sheppard University of Georgia
LS90-020	Effective Nitrogen for Low-input Forage and Grain Production in a Thermicudic Region	\$195,000	R. Russell Bruce USDA/ARS, Southern Piedmont Conservation Research Center
LS90-024	Development of an Environmentally Safe and Economically Sustainable Year-Round Minimum Tillage Forage Production System Using Farm Animal Manure as the Only Fertilizer	\$195,000	Joseph C. Johnson Jr. University of Georgia
LS90-025	Development of Fractionation and Treatment Systems for Poultry Litter to Enhance Utilization and Reduce Environmental Impact	\$141,000	William C. Merka University of Georgia
LS88-001	Low-Input and Organic Pest Management for Apples and Peaches Using Mating Disruption and Ground Cover Management	\$100,000	F. F. Henrix University of Georgia
LS88-003	Planning Grant: Development of Low-input Agricultural Technology Demonstrations at the Sunbelt Agricultural Exposition Demonstration Farm	\$14,700	John Beasley Rural Development Center
LS88-007	Low-input Reduced Tillage Crop Production Systems for the Southern United States	\$215,000	William L. Hargrove University of Georgia

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ES09-096	Training Educators and Agricultural Professionals on Sustainable, Pasture-based Dairy Systems	\$89,321	Dr.Dennis Hancock Univ. of Georgia
ES08-094	Experiential Education to Form an Extension Organic Production Team in Georgia	\$18,692	Prof.Julia Gaskin University of Georgia
ES06-086	Southern Region Educator Trainings in Eight Farming Systems using unique tools and approaches	\$121,968	Karen Adler Southern Sustainable Agriculture Working Group
ES06-084	Smart Drenching and FAMACHA Integrated Training for Sustainable Control of Gastrointestinal Nematodes in Small Ruminants	\$72,955	Syedmehdi Mobini Fort Valley State University
ES03-068	Curriculum in Organic Agriculture for	\$70,810	Alice Rolls

Agents and Teachers

Georgia Organics

ES99-046	Building Capacity in Organic Agriculture: An Integrated Approach to Training Agricultural Information Providers	\$115,000	Alice Rolls Georgia Organics
ES97-016	Developing Trained Professionals and Teaching Aids to Support Educational Programs Addressing Management of Stored Grain in the Southeast	\$38,150	Steve Brown University of Georgia, Extension Entomology, Rural Development Center

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FS17-296	Which Wildflower is Best at the Recruitment of Native Bees into Agricultural Areas? A comparison of perennial vs. annual wildflowers	\$10,000	Joe Dickey Farmer
FS17-303	Evaluation of Southern Stem Blight Control in Green Beans with Aerated Compost Tea in Drip System	\$6,501	Joseph Reynolds Love is Love Farm
FS16-290	Measuring the Benefits of Wildflower Plots to Boost Fruit Yield and Pollinator Abundance in Georgia Apple Orchards	\$10,000	Joe Dickey Farmer
FS14-278	Grazing Standing Corn and Climbing Beans	\$6,107	Dr.Lynn Barber Heritage Acres
FS14-286	Production and Marketing of Pumpkin Seed Oil & Related Products	\$9,180	Bradley Weaver Bradley's Farm
FS13-267	Mechanical and biological strategies to remove invasive Bermuda grass in preparation for organic vegetable production on raised beds	\$9,560	Jennifer Taylor Lola's Organic Farm
FS12-259	Black Soldier Flies as a Value-Adding Tool within Organic Farming Systems	\$10,000	Hilary Halford White Oak Pastures, Inc. Lori Moshman White Oak Pastures
FS11-253	Demonstrating the Potential for Triticale and Annual Ryegrass as both an Alternative Winter Crop and a Soil Organic Matter-Building Practice	\$9,997	Jonny Harris Greenview Farms, Inc.
FS10-249	Production and Marketing of European Melons in the Southeast	\$5,390	Brennan Washington Phoenix Gardens, LLC
FS09-234	"Sweet Petite" Value Added Processing for Small Sized Shrimp	\$9,932	James Dubberly Dubberly's Seafood
FS08-228	Sustainable Production and Niche Marketing of Pearl Millet	\$9,911	Bryan Maw
FS07-212	Control of Corn Earworm using Brazilian free-tailed bats	\$999	Frank Bibin Teresa Bibin

FS06-208	Evaluation of Compost Tea Application to Control Foliar Diseases in an Heirloom Tomato Crop	\$9,720	Daniel Parson Gaia Gardens
FS02-156	Winter and Summer Cover Crops for Organic Pecan Production	\$9,766	Kim M. Moore
FS02-145	Cotton Mill Farmer's Market – Linking the Community to the Farm	\$15,000	Meredith Barr Carroll Co. Farmland & Rural Preservation Partners
FS00-106	Cover Crops for Christmas Trees and Other Orchard Crops	\$6,327	Thomas Aiken
FS00-111	Using On-Farm Produced Compost to Reduce Production Costs, Disease and Fertilizer Input in Bell Pepper	\$9,536	Bill Brimm Lewis Taylor Farm
FS99-086	Paper Wasp Colonization for Tent Caterpillar Control in Pecan Groves	\$506	Frank Bibin
FS99-099	Alum Amended Solids Separation and Composting of Swine Waste	\$9,100	Jimmy Shealy
FS99-101	Sustainable Winter Squash Production Using Poultry Litter	\$4,985	Johnnie L. Stubbs
FS98-074	Alfalfa Hay Production to Lower Soil Phosphorus Levels Caused by Animal Waste Application	\$9,556	Keith Boozer Piedmont Area Poultry Association
FS98-082	Using Shearing to Control Nantucket Pine Tip Moth in Virginia Pine Christmas Trees	\$5,672	William Slaughter
FS98-072	Microbial Input for Organic Production of Vegetables	\$9,039	Skip Glover Glover Family Farm
FS97-058	Evaluation of an Alternative Low-Input Production System for Fresh Market Tomato	\$5,109	Greg & Dale Murray
FS97-061	Algae-based Winter Feed for Small-Scale Goat	\$7,907	Rosemarie Szostak Oak Hill Farm
FS94-004	Nutrient Evaluation and On-Site Composting of Poultry Litter	\$3,000	Andy Hickox
FS94-006	Insect Pest Management for Cotton	\$8,700	Benny Johnston

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GS18-180	Leveraging Pest Behavior for Implementation of Sustainable	\$16,464	Brett Blaauw University of Georgia

	Management Tactics for Plum Curculio in Southeastern Peach Production		Tzu-Chin Liu
GS18-182	Effects of Imidacloprid Soil Drench Applications on Nesting Blue Orchard Mason Bees (<i>Osmia lignaria</i>)	\$16,490	Kamal Gandhi University of Georgia Christine Fortuin
GS16-159	Evaluation of Pest and Disease Resistance in Winter Squash Varieties Under Organic Management in the Southeast	\$10,944	Dr.Elizabeth Little University of Georgia Zachary Matteen
GS16-163	Evaluating conservation biological control options for spotted wing drosophila (<i>Drosophila suzukii</i>)	\$10,849	Dr.Jason Schmidt University of Georgia Seth Whitehouse
GNC15-208	Why Do They Quit? Identifying Key Determinants of Beginning Farmers' Decisions	\$9,855	Dr.Peggy Barlett Emory College of Arts and Sciences Andrea Rissing Emory University
GS15-147	Evaluation of High Tunnel Systems for Spring Organic Lettuce Production in Georgia	\$11,000	Dr.Suzanne O'Connell University of Georgia Theekshana Jayalath University of Georgia
GS14-127	Controlling Squash Bugs (<i>Anasa tristis</i>) Using Cover Crops and Organic Insecticides	\$2,436	David Berle Lindsay Davies University of Georgia
GS14-139	A novel technique for treating seeds with biocontrol agents for the sustainable management of bacterial fruit blotch of watermelon	\$9,500	Dr.Ron Walcott University of Georgia Safira Sutton University of Georgia
GS09-080	Emerging Local Food Systems – The Role of Locally Developed Innovation in Small-scale Sustainable Farming in Northeast Georgia	\$8,492	Carl Jordan University of Georgia Justin Ellis University of Georgia
GS08-074	Seeds of Persistence: The Ethnoecology of Crop Agrobiodiversity Maintenance in the American Mountain South	\$10,000	Robert E. Rhoades University of Georgia Dr.James Veteto University of North Texas James Veteto University of Georgia Department of Anthropology
GS06-054	Novel methods for sustainable control of gastrointestinal nematodes in llamas and alpacas in the southeastern United States	\$10,000	Thomas Terrill Fort Valley State University Rose-Ann Gillespie Fort Valley State University
GS05-044	Effects of the Quality of Organic Soil Amendments on the Soil Community and on Nitrogen Mineralization in an Agroecosystem in the Georgia Piedmont	\$8,576	Carl Jordan University of Georgia Yolima Carrillo Institute of Ecology, University of Georgia
GS05-043	BT Cotton, Tillage and Cover Crops Identity: Relative Effects on Above and Below Ground Invertebrate Diversity	\$2,895	Mark Hunter University of Georgia Kyle Wickings University of Georgia
GS02-017	Velvet Bean as a Biological Control of Weeds and Pathogens	\$8,000	Sharad Phatak UGA - Department of Horticulture Nicole Martini UGA - Department of Horticulture

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
OS17-102	Scale Management to Promote Sustainable Southeastern Peach Production	\$14,985	Brett Blaauw University of Georgia
OS14-090	Investigating Artificial Native Bee Habitats as a Means to Boost Native Bee Pollination and Provide an Additional Revenue Source for Farmers	\$15,000	Dr.Mark Schlueter Georgia Gwinnet College
OS13-074	Enhancement of Native Bee Pollination Services in Apples Orchards in Georgia	\$15,000	Dr.Mark Schlueter Georgia Gwinnet College
OS13-081	Nesting Habitat Enhancements and Native Bee Population Measurements in Apple Orchards in Georgia	\$15,000	Dr.Mark Schlueter Georgia Gwinnet College
OS12-066	Native Bee Assessment in North Georgia Apple Orchards: Measuring Diversity and Devising Methods to Boost Abundance	\$15,000	Dr.Mark Schlueter Georgia Gwinnet College
OS11-061	A Measurement of the Pollination Success of Native Bees in North Georgia Apple Orchards: Is there a need for Commercial European Honeybees?	\$15,000	Dr.Mark Schlueter Georgia Gwinnet College
OS09-049	Creating, planning, and using forage quality budgets to optimize milk production on grazing dairies	\$14,340	David Kissel University of Georgia
OS07-034	Hydroseeded mulch as an alternative to plastic mulch films	\$14,000	Dr.Gary Hawkins University of Georgia
OS04-020	Increasing Farm Sustainability through the Use of Cover Crops for Weed Suppression in Non-Transgenic Conventional Cotton	\$15,000	Dr.Gary Hawkins University of Georgia

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
CS10-080	Farm to Market Alliance	\$10,000	Christine McCauley Madison-Morgan Conservancy
CS09-073	Marketing Local Value Added Products in Southwest Georgia	\$9,934	Cornelius Key Federation of Southern Cooperative/LAF
CS08-062	Building Sustainable Agriculture and Community Development along the Coastal Plain regions of Georgia and South Carolina	\$10,000	John Littles McIntosh SEED
CS07-054	Something's Cooking in the Kitchen	\$8,400	Christine Curry Pike County Agribusiness Authority
CS06-042	Sustainable Farming: wedding regional agriculture and community development in Coastal Georgia	\$10,000	John Littles McIntosh SEED

CS05-034	Rural Women as Agriculture Leaders	\$9,980	Mikhiela Sherrod Southwest Georgia Project
CS04-024	Comer Farmers' Market	\$10,000	Tina McCollough Comer Farmers' Market
CS04-029	Battlefield Farmers' Market – Growing New Opportunities	\$10,000	David Matteson Walker County Young Farmers
CS03-017	Putting Pike on the Map	\$9,680	Christine Curry Pike County Agribusiness Authority
CS02-002	Downtown Farmers' Market-Linking the Farm to the Community	\$8,600	Rob Gordy Carroll Co.Farmland & Rural Preservation Committee

MATCHING GRANTS PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
MS09-003	Focusing on the Future of Sustainable Agriculture in Georgia: Southern SARE Planning Grant	\$14,981	Prof.Julia Gaskin University of Georgia

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
SGA17-001	2017-2018 Model State Program	\$40,000	Prof.Julia Gaskin University of Georgia Mark Latimore, Dr. Mark Latimore Fort Valley State University
SGA17-002	SGA17-002	\$15,554	Mark Latimore, Dr. Mark Latimore Fort Valley State University Prof.Julia Gaskin University of Georgia
SGA16-001	2016-2017 Model State Program University of Georgia	\$6,667	Prof.Julia Gaskin University of Georgia

**Total funding from the USDA SARE program to
Georgia
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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.

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