



Sustainable Agriculture  
Research & Education

[www.southernsare.org](http://www.southernsare.org)

# AGRICULTURE PROJECTS FUNDED IN ALABAMA

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

Alabama has been awarded \$3,216,361 to support 71 projects, including but not limited to, 18 research and/or education projects, 9 professional development projects and 17 producer-led projects. Alabama has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinator(s):

Ayanava Majumdar  
Alabama Cooperative Extension System, Auburn University  
[azm0024@auburn.edu](mailto:azm0024@auburn.edu)  
(251) 331-8416

Rudy Pacumbaba  
Alabama Cooperative Extension System  
[rop0001@aces.edu](mailto:rop0001@aces.edu)  
(256) 372-4266

Barrett Temple Vaughan  
Tuskegee University  
[btvaughan@mytu.tuskegee.edu](mailto:btvaughan@mytu.tuskegee.edu)  
(334) 727-8527

## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">LS11-242</a>	Adoption of Sustainable Farming and Ranching Practices among African-American Farmers: Helping and Hindering Factors and the Role of the 2008 Farm Bill	\$126,770	Heather Gray Federation of Southern Cooperatives/Land Assistant Fund
<a href="#">LS10-234</a>	Enhancing the Economic Stability of Select Limited Resource Farms through the Establishment of Micropropagated Pecan Orchards Integrated with Crops and Animals	\$15,000	Dr.Leonard Githinji Tuskegee University
<a href="#">LS10-237</a>	Understanding Small Landowners' Perspectives in Adoption of Goat-Agroforestry Land Management System	\$27,961	Dr.Buddhi Gyawali Kentucky State University
<a href="#">LS09-218</a>	A farmer-researcher collaborative effort to design no-till systems appropriate for small-scale organic producers in Alabama and the Deep South	\$250,000	Joseph Kloepper Auburn University Dr.Jan Garrett Auburn university
<a href="#">LS09-223</a>	Nutrient optimization for sustainable goat production systems in the southeastern U.S.	\$170,000	Dr.Sandra Solaiman Tuskegee University
<a href="#">LS08-207</a>	Enhancing the long-term sustainability and profitability of small, limited resource farmers in the Black Belt South through marketing research & education	\$122,000	Dr.Tasha Hargrove Tuskegee University
<a href="#">LS08-209</a>	Producing, processing and marketing forage-finished beef for consumers in the southeastern United States	\$151,000	Chris Kerth Auburn University, Department of Animal Sciences

<a href="#">LS05-181</a>	The use of renewable energy to improve the sustainability of Southeastern U.S. pond aquaculture: technical, economic, and industry evaluations of solar power options	\$14,850	Barrett Temple-Vaughan Tuskegee University
<a href="#">LS05-174</a>	Understanding Plant-Soil-Livestock Interactions: A Key to Enhanced Sustainability in Southern-Pine Silvopasture Systems	\$120,000	Mary Goodman Auburn University
<a href="#">LS03-183</a>	Barriers to the Adoption of Sustainable Agricultural Practices: Working Farmer and Change Agent Perspectives	\$50,000	Robin Fazio Sonrisa Farm
<a href="#">LS02-137</a>	Participatory Implementation of Sustainable Vegetable Systems for Small and Limited Resource Farmers	\$161,280	Joseph Kloepper Auburn University
<a href="#">LS02-141</a>	Sustainable Year-Round Forage System for Goat Production in the Southern USA	\$178,120	Dr. Sandra Solaiman Tuskegee University
<a href="#">LS98-092</a>	Development of Sustainable Cropping Systems for Canola on Limited-Resource Farms in Alabama	\$124,488	Udai R. Bishnoi Alabama A&M University
<a href="#">LS94-062</a>	Intercropping Small Grains and Lupin for Sustainable On-Farm Utilization	\$143,151	Edzard van Santen Auburn University
<a href="#">LS93-053</a>	Sustainable Whole Farm Grain/Silage Production Systems for the Southeast	\$240,639	D. Wayne Reeves USDA-ARS,
<a href="#">LS93-051</a>	Warm-Season Forage Grasses as Rotations for Sustaining Profitable Peanut Production	\$183,000	Rodrigo Rodriguez-Kabana Auburn University, Plant Pathology
<a href="#">LS91-033</a>	Reference Manual of LISA Resource Management Strategy Budgets for the Mid-South Region	\$50,000	Larry A. Johnson Tennessee Valley Authority Agricultural Institute
<a href="#">LS91-034</a>	Total Resource Budgeting of LISA Related Management Strategies	\$19,500	Jerry R. Crews Auburn University

#### PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">ES16-129</a>	The Systems 360° Initiative: Curriculum development and delivery of land management educational tools for Alabama cattle producers	\$74,298	Kimberly Cline Mullenix Auburn University
<a href="#">ES13-114</a>	Trainer's Training in Agroforestry Practices in the Southeastern Region: 1890 Agroforestry Consortium Initiative	\$99,540	Dr. Uma Karki Tuskegee University
<a href="#">ES12-112</a>	Expanding the Expertise of Agricultural Professionals to Serve New Constituents: Practical Training on Organic Horticulture and High Tunnels	\$99,736	Jim Lukens Southern Sustainable Agriculture Working Group
<a href="#">ES12-111</a>	Tuskegee University Goat Production Training Programs	\$71,164	Olga Bolden-Tiller Tuskegee University

<a href="#">ES11-107</a>	Training for sustainable year-round forage production and grazing/browsing management in the Southern Region	\$69,843	Dr.Uma Karki Tuskegee University
<a href="#">ES10-102</a>	Organic Agriculture Hands-on Training and Educational Materials for Extension Professionals in the Southeast	\$98,850	Dr.Leonard Githinji Tuskegee University
<a href="#">ES09-099</a>	Developing Successful Organic Horticulture Farms: Practical Training for Agricultural Professionals	\$62,915	Jean Mills Southern SAWG
<a href="#">ES00-050</a>	We can do something about fire ants -- Training Professionals and Developing Teaching Materials in Sustainable Fire Ant Management	\$40,155	Kathy Flanders Auburn University
<a href="#">LST94-005</a>	Sustainable Cotton Production for the South	\$10,000	Elizabeth Ann Guertal Auburn University

#### FARMER/RANCHER GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">FS13-272</a>	Increasing Sustainability of Goats Production through Management of Gastrointestinal Nematodes	\$10,000	Samuel Fairley Farmer
<a href="#">FS13-275</a>	Insect Exclusion Using Woven Shade Cloth	\$9,320	Will Mastin Local Appetite Growers LLC
<a href="#">FS09-235</a>	Water Catchment Systems for Mobile and Permanent Farm Structures	\$9,970	Santiago Lima
<a href="#">FS08-226</a>	Native-Grass Prairie Restoration and Soil Remediation Program	\$9,995	Fitz Hudson
<a href="#">FS08-224</a>	Organic Strawberry Production: Extending the Season with Low Tunnels	\$10,000	Carol Garrett Auburn University Jan Garrett
<a href="#">FS07-215</a>	Diversify Production Methods of Medicinal Herb Crops with Tissue Culture	\$9,946	Mary Janis
<a href="#">FS06-201</a>	Evaluating Poultry Breeds Suitable for Pastured Production	\$7,988	Bill Findley Rough House Farm
<a href="#">FS06-202</a>	Small Scale Rabbit, Production, and Marketing Project	\$10,000	Jeanette Grayson
<a href="#">FS05-195</a>	Alternative techniques for harvesting inland saltwater shrimp	\$6,557	David Teichert-Coddington Greene Prairie Aquafarm
<a href="#">FS05-187</a>	Soil Building and Fertility through Cover Cropping among Limited Resource Farmers	\$11,968	John Brown Selma-Dallas Small Farmers Association

<a href="#">FS02-159</a>	Improving Stocking and Insect Control Procedures to Increase Survival of Saltwater Shrimp Post-larvae in Inland Ponds	\$6,667	David Teichert-Coddington Greene Prairie Aquafarm
<a href="#">FS00-122</a>	Using Caged Filter-Feeding Fish to Increase Production and Profits from Fertile Catfish Ponds	\$3,282	William R. Odom, Jr.
<a href="#">FS98-080</a>	Establishment of a Grazing Management School for Producers	\$9,760	Kenneth Rogers
<a href="#">FS97-049</a>	Crop Production Systems for Nonchemical Control of Reniform Nematodes	\$8,892.40	Richard Edgar
<a href="#">FS97-064</a>	Evaluation of a Low-Cost Innovative Ensiling System for Small- to Medium-Sized Dairy Operations	\$10,000	David and Lianne Wright Canebrake Farms
<a href="#">FS97-052</a>	Sustainable Pumpkin Production in the Southeast	\$4,655	Dwight James
<a href="#">FS94-011</a>	Clover Clippings as Replacement for Chicken Litter in Compost	\$6,160	Jean Mills Southern SAWG

#### GRADUATE STUDENT GRANTS

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#">GS16-165</a>	Development of Sustainable Seaweed Aquaculture on Alabama's Gulf Coast	\$9,392	Dr. William Walton Auburn University
<a href="#">GS11-098</a>	Dewatering Aquaculture Effluent For The Hydroponic Production of Pak Choi ( <i>Brassica rapa chinensis</i> ) and Production of Vegetable Seedlings	\$9,932	Jason Danaher Auburn University
<a href="#">GS08-069</a>	Effects of Forage-finished Beef on Cool- or Warm-Season Forages	\$9,685	Chris Kerth Auburn University, Department of Animal Sciences Clint Rowe Auburn University, Department of Animal Sciences
<a href="#">GS05-049</a>	Organic mulches and high residue no-till for collard production in Alabama	\$10,000	Wes Wood Auburn University Dept of Agronomy and Soils
<a href="#">GS04-036</a>	Assessing the Viability of the Inland Shrimp Farming as a Viable Enterprise in Alabama	\$9,901	Ntam Baharanyi Tuskegee University Barrett Temple-Vaughan Tuskegee University
<a href="#">GS04-042</a>	Determination of Microbiological Hazards and Critical Control Points in Regional Rabbit Processing Facilities	\$10,000	Leonard Williams Alabama A&M University
<a href="#">GS04-037</a>	Evaluating the Efficacy of Tasco-14® Supplementation on Carcass and Performance Characteristics of Cattle Finished on Winter Annual Forages as a	\$9,814	Chris Kerth Auburn University, Department of Animal Sciences

Sustainable Alternative finishing system  
in the Southeast

<a href="#"><u>GS03-023</u></a>	Aphids as Beneficial Insects? Using a Fire Ant - Aphid Interaction for the Sustainable Management of Insect Pests in Southern Cotton	\$7,040	Micky Eubanks Auburn University
---------------------------------	--	---------	------------------------------------

**ON-FARM RESEARCH/PARTNER GRANTS**

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#"><u>OS14-088</u></a>	On-Farm Evaluation and Use of Sunn Hemp ( <i>Crotalaria juncea</i> L.) legume to Improve Sustainable Meat Goat Production and Health in Southern USA	\$15,000	Dr.Byeng ryel Min Tuskegee University
<a href="#"><u>OS13-071</u></a>	Comparison of on-farm winter feeding strategies for sustainable meat goat production	\$14,500	Dr.Nar Gurung Tuskegee University
<a href="#"><u>OS11-059</u></a>	Sustainable goat farming: Pasture enhancement and diet selection by goats	\$14,493	Dr.Uma Karki Tuskegee University
<a href="#"><u>OS08-040</u></a>	Sustainable Irrigation Methods for Alternative Crop Production	\$15,000	Dr.Elina Coneva Auburn University
<a href="#"><u>OS04-018</u></a>	Recirculating Production Pond Inflows to Increase Production and Reduce Effluents on Small-Scale Fish Farms	\$14,145	David Cline Alabama Cooperative Extension System
<a href="#"><u>OS02-003</u></a>	Central Alabama Soil Quality Improvement for Cotton Growers	\$2,116	Leonard Kuykendall AL Cooperative Extension System/Autauga County
<a href="#"><u>OS02-004</u></a>	Incorporation of Triticale/Clover into Existing Grazing Management Systems to Enhance Beef Cattle Production Sustainability	\$967	Perry Mobley

**COMMUNITY INNOVATION GRANTS**

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leaders</b>
<a href="#"><u>CS10-083</u></a>	United Cherokee Ani-Yun-Wiya Nation Blackberry Development Project (UCANBD Project)	\$10,000	Judy Dixon United Cherokee Ani-Yun-Wiya Nation Gina Williamson United Cherokee Ani-Yun-Wiya Nation
<a href="#"><u>CS09-074</u></a>	Producers/Buyers Cooperative: Linking Family Farms and Institutions	\$10,000	Kathryn Strickland Food Bank of North Alabama
<a href="#"><u>CS08-067</u></a>	The Alabama Blackbelt Community Food System Project	\$10,000	Andrew Williams The United Christian Community Association
<a href="#"><u>CS08-068</u></a>	Training for Sustainable Community Development: Phase IIIb	\$5,000	Dr.Robert Zabawa Tuskegee University
<a href="#"><u>CS07-060</u></a>	Training for Sustainable Community Development: Phase III	\$10,000	Dr.Robert Zabawa Tuskegee University
<a href="#"><u>CS06-051</u></a>	The Clean Food Network	\$40,000	Dove Stackhouse

			ASAN (Alabama Sustainable Agricultural Network)
<a href="#">CS06-046</a>	Training for Sustainable Community Development: Phase II	\$10,000	Dr.Robert Zabawa Tuskegee University Dr.Tasha Hargrove Tuskegee University
<a href="#">CS05-037</a>	Agritourism and Agribusiness Entrepreneur Training, Assistance and Product Marketing in the Eastern Alabama Black Belt	\$9,956	Barrett Temple-Vaughan Tuskegee University
<a href="#">CS05-039</a>	Partnerships for Sustainable Communities	\$10,000	Dr.Robert Zabawa Tuskegee University
<a href="#">CS04-032</a>	Developing a Marketing Network for Central Alabama	\$10,000	Karen Wynne Alabama Sustainable Agriculture Network
<a href="#">CS04-019</a>	Sustainable Agriculture for Future Economics (SAFE)	\$10,000	Wendy Allen Mobile Bay National Estuary Program
<a href="#">CS03-016</a>	Taylor Community Supported Agriculture Project	\$10,000	Evelyn Williams The United Christian Community Association, Inc.

---

**Total funding from the USDA SARE program to  
Alabama  
\$3,216,361**

---



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).

Sustainable Agriculture Research and Education (SARE) is funded by USDA's National Institute of Food and Agriculture (NIFA).