



Sustainable Agriculture
Research & Education

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AGRICULTURE PROJECTS FUNDED IN ALABAMA

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2019

Alabama has been awarded \$3,958,099 grants to support 86 projects, including but not limited to, 21 research and/or education projects, 10 professional development projects and 19 producer-led projects. Alabama 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
LS19-314	Regional Educational Campaign for High Tunnel Vegetable Producers, Limited Resource, and Veteran Farms via On-Farm Pest Exclusion and Natural Enemy Demonstrations, Publications, and Self-help Tools	\$49,648	Dr.Ayanava Majumdar Alabama Cooperative Extension System, Auburn University
LS19-307	Biofertilization of Bermudagrass: A step toward sustainable forage production	\$221,115	Dr.Leanne Dillard Auburn University
LS18-289	Development and Implementation of Ecologically Sound, System-based Tactics for Managing Pests and Insect-vectored Diseases in Cucurbit Production in the Southeast	\$270,000	Henry Fadamiro Auburn University
LS11-242	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 Heather Gray Federation of Southern Cooperatives
LS10-234	Enhancing the Economic Stability of Select Limited Resource Farms through the Establishment of Micropropagated	\$15,000	Dr.Leonard Githinji Tuskegee University

Pecan Orchards Integrated with Crops and Animals

LS10-237	Understanding Small Landowners' Perspectives in Adoption of Goat-Agroforestry Land Management System	\$27,961	Dr.Buddhi Gyawali Kentucky State University
LS09-218	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
LS09-223	Nutrient optimization for sustainable goat production systems in the southeastern U.S.	\$170,000	Dr.Sandra Solaiman Tuskegee University
LS08-207	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
LS08-209	Producing, processing and marketing forage-finished beef for consumers in the southeastern United States	\$151,000	Chris Kerth Auburn University, Department of Animal Sciences Chris Kerth Texas A&M University
LS05-174	Understanding Plant-Soil-Livestock Interactions: A Key to Enhanced Sustainability in Southern-Pine Silvopasture Systems	\$120,000	Mary Goodman Auburn University
LS05-181	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
LS03-183	Barriers to the Adoption of Sustainable Agricultural Practices:Working Farmer and Change Agent Perspectives	\$50,000	Robin Fazio Sonrisa Farm
LS02-141	Sustainable Year-Round Forage System for Goat Production in the Southern USA	\$178,120	Dr.Sandra Solaiman Tuskegee University
LS02-137	Participatory Implementation of Sustainable Vegetable Systems for Small and Limited Resource Farmers	\$161,280	Joseph Kloepper Auburn University
LS98-092	Development of Sustainable Cropping Systems for Canola on Limited-Resource Farms in Alabama	\$124,488	Udai R. Bishnoi Alabama A&M University
LS94-062	Intercropping Small Grains and Lupin for Sustainable On-Farm Utilization	\$143,151	Edzard Van Santen Auburn University

LS93-051	Warm-Season Forage Grasses as Rotations for Sustaining Profitable Peanut Production	\$183,000	Rodrigo Rodriguez-Kabana Auburn University, Plant Pathology
LS93-053	Sustainable Whole Farm Grain/Silage Production Systems for the Southeast	\$240,639	D. Wayne Reeves USDA-ARS,
LS91-033	Reference Manual of LISA Resource Management Strategy Budgets for the Mid-South Region	\$50,000	Larry A. Johnson Tennessee Valley Authority Agricultural Institute
LS91-034	Total Resource Budgeting of LISA Related Management Strategies	\$19,500	Jerry R. Crews Auburn University

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ES18-143	Cattle and Small Ruminant IPM Educational Materials: A systems approach that will lead to a sustainable future	\$79,900	Kelly Palmer Auburn University
ES16-129	The Systems 360° Initiative: Curriculum development and delivery of land management educational tools for Alabama cattle producers	\$74,298	Dr.Kim Mullenix Auburn University/Alabama Cooperative Ex
ES13-114	Trainer's Training in Agroforestry Practices in the Southeastern Region: 1890 Agroforestry Consortium Initiative	\$99,540	Dr.Uma Karki Tuskegee University
ES12-111	Tuskegee University Goat Production Training Programs	\$71,164	Olga Bolden-Tiller Tuskegee University
ES12-112	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
ES11-107	Training for sustainable year-round forage production and grazing/browsing management in the Southern Region	\$69,843	Dr.Uma Karki Tuskegee University
ES10-102	Organic Agriculture Hands-on Training and Educational Materials for Extension Professionals in the Southeast	\$98,850	Dr.Leonard Githinji Tuskegee University
ES09-099	Developing Successful Organic Horticulture Farms: Practical Training for Agricultural Professionals	\$62,915	Jean Mills Southern SAWG
ES00-050	We can do something about fire ants — Training Professionals and Developing Teaching Materials in Sustainable Fire Ant Management	\$40,155	Kathy Flanders Auburn University

LST94-005	Sustainable Cotton Production for the South	\$10,000	Elizabeth Ann Guertal Auburn University
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FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FS17-302	Soil Effects of Animal Grazing for Selected Summer Crops in the Southern United States	\$9,955	Franklin Randle Farmer
FS17-304	Use of Probiotics to Increase Survival and Sustainable Yield of Inland Farmed Shrimp	\$14,869	DAVID CODDINGTON GREENE PRAIRIE AQUAFARM
FS13-272	Increasing Sustainability of Goats Production through Management of Gastrointestinal Nematodes	\$10,000	Samuel Fairley Farmer
FS13-275	Insect Exclusion Using Woven Shade Cloth	\$9,320	Will Mastin Local Appetite Growers LLC
FS09-235	Water Catchment Systems for Mobile and Permanent Farm Structures	\$9,970	Lima Santiago
FS08-224	Organic Strawberry Production: Extending the Season with Low Tunnels	\$10,000	Carol Garrett Auburn University Jan Garrett
FS08-226	Native-Grass Prairie Restoration and Soil Remediation Program	\$9,995	Fitz Hudson
FS07-215	Diversify Production Methods of Medicinal Herb Crops with Tissue Culture	\$9,946	Mary Janis
FS06-201	Evaluating Poultry Breeds Suitable for Pastured Production	\$7,988	Bill Findley Rough House Farm
FS06-202	Small Scale Rabbit, Production, and Marketing Project	\$10,000	Jeanette Grayson
FS05-187	Soil Building and Fertility through Cover Cropping among Limited Resource Farmers	\$11,968	John Brown Selma-Dallas Small Farmers Association
FS05-195	Alternative techniques for harvesting inland saltwater shrimp	\$6,557	DAVID CODDINGTON GREENE PRAIRIE AQUAFARM

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

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GS16-165	Development of Sustainable Seaweed Aquaculture on Alabama's Gulf Coast	\$9,392	Dr. William Walton Auburn University Pandora Wadsworth Auburn University
GS11-098	Dewatering Aquaculture Effluent For The Hydroponic Production of Pak Choi (Brassica rapa chinensis) and Production of Vegetable Seedlings	\$9,932	Dr. Jesse Chappell Auburn University Jason Danaher Auburn University
GS08-069	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
GS05-049	Organic mulches and high residue no-till for collard production in Alabama	\$10,000	Wes Wood Auburn University Dept of Agronomy and Soils Michael Mulvaney Auburn University, Dept. of Agronomy and Soils

GS04-036	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 Anthony Deanes Tuskegee University
GS04-037	Evaluating the Efficacy of Tasco-14® Supplementation on Carcass and Performance Characteristics of Cattle Finished on Winter Annual Forages as a Sustainable Alternative finishing system in the Southeast	\$9,814	Chris Kerth Auburn University, Department of Animal Sciences Kirk Braden Auburn University
GS04-042	Determination of Microbiological Hazards and Critical Control Points in Regional Rabbit Processing Facilities	\$10,000	Leonard Williams Alabama A&M University Cornelius Howard Alabama A&M University
GS03-023	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 John Styrsky Auburn University

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
OS18-117	Evaluation of High-residue Cover Crop Systems and Biodegradable Mulches for Weed Control in Vegetable Production in Alabama	\$14,977	Steve Li Auburn University
OS14-088	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
OS13-071	Comparison of on-farm winter feeding strategies for sustainable meat goat production	\$14,500	Dr.Nar Gurung Tuskegee University
OS11-059	Sustainable goat farming: Pasture enhancement and diet selection by goats	\$14,493	Dr.Uma Karki Tuskegee University
OS08-040	Sustainable Irrigation Methods for Alternative Crop Production	\$15,000	Dr.Elina Coneva Auburn University
OS04-018	Recirculating Production Pond Inflows to Increase Production and Reduce Effluents on Small-Scale Fish Farms	\$14,145	David Cline Alabama Cooperative Extension System
OS02-003	Central Alabama Soil Quality Improvement for Cotton Growers	\$2,116	Leonard Kuykendall AL Coooperative Extension System/Autauga County
OS02-004	Incorporation of Triticale/Clover into Existing Grazing Management Systems to Enhance Beef Cattle Production Sustainability	\$967	Perry Mobley

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<u>CS10-083</u>	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
<u>CS09-074</u>	Producers/Buyers Cooperative: Linking Family Farms and Institutions	\$10,000	Kathryn Strickland Food Bank of North Alabama
<u>CS08-067</u>	The Alabama Blackbelt Community Food System Project	\$10,000	Andrew Williams The United Christian Community Association
<u>CS08-068</u>	Training for Sustainable Community Development: Phase IIIb	\$5,000	Dr.Robert Zabawa Tuskegee University
<u>CS07-060</u>	Training for Sustainable Community Development: Phase III	\$10,000	Dr.Robert Zabawa Tuskegee University
<u>CS06-046</u>	Training for Sustainable Community Development: Phase II	\$10,000	Dr.Robert Zabawa Tuskegee University Dr.Tasha Hargrove Tuskegee University
<u>CS06-051</u>	The Clean Food Network	\$40,000	Dove Stackhouse ASAN (Alabama Sustainable Agricultural Network)
<u>CS05-039</u>	Partnerships for Sustainable Communities	\$10,000	Dr.Robert Zabawa Tuskegee University
<u>CS05-037</u>	Agritourism and Agribusiness Entrepreneur Training, Assistance and Product Marketing in the Eastern Alabama Black Belt	\$9,956	Barrett Temple-Vaughan Tuskegee University
<u>CS04-019</u>	Sustainable Agriculture for Future Economics (SAFE)	\$10,000	Wendy Allen Mobile Bay National Estuary Program
<u>CS04-032</u>	Developing a Marketing Network for Central Alabama	\$10,000	Karen Wynne Alabama Sustainable Agriculture Network
<u>CS03-016</u>	Taylor Community Supported Agriculture Project	\$10,000	Evelyn Williams The United Christian Community Association, Inc.

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
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SAL19-001	2019 State Plan of Work- Auburn University	\$11,052	Dr.Ayanava Majumdar Alabama Cooperative Extension System, Auburn University
SAL19-002	2019 State Plan of Work- Alabama A&M University	\$6,840	Dr.Rudy Pacumbaba Alabama Cooperative Extension System Dr.Ayanava Majumdar Alabama Cooperative Extension System, Auburn University
SAL18-002	2018 State Plan of Work- AL A&M University	\$11,018	Dr.Rudy Pacumbaba Alabama Cooperative Extension System
SAL18-001	2018 State Plan of Work- Auburn University	\$11,068	Dr.Ayanava Majumdar Alabama Cooperative Extension System, Auburn University
SAL17-001	SAL17-001	\$10,801	Dr.Ayanava Majumdar Alabama Cooperative Extension System, Auburn University Dr.Rudy Pacumbaba Alabama Cooperative Extension System
SAL17-002	SAL17-002 State Plan of Work	\$9,649	Dr.Rudy Pacumbaba Alabama Cooperative Extension System Dr.Ayanava Majumdar Alabama Cooperative Extension System, Auburn University
SAL-002	2016-2017 State Plan of Work Alabama A&M University	\$9,735	Dr.Rudy Pacumbaba Alabama Cooperative Extension System
SAL16-001	2016-2017 State Plan of Work Auburn University	\$11,111	Dr.Ayanava Majumdar Alabama Cooperative Extension System, Auburn University

**Total funding from the USDA SARE program to
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\$3,958,099**



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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