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**AGRICULTURE PROJECTS FUNDED IN ALABAMA**  
**by USDA's**  
**Sustainable Agriculture Research and Education (SARE) Program**  
**1988-2011**

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Summary: Alabama has received \$2,765,966 to support 61 projects, including but not limited to, 17 research and/or education projects, five extension projects and 15 producer-led projects. Alabama also has received additional SARE support through multi-state projects.

State sustainable agriculture extension coordinator(s):      Ayanava "Dr. A" Majumdar, Auburn University  
 Barrett Temple Vaughan, Tuskegee University  
 Cathy Sabota, Alabama A&M University

| <b>Project #</b> | <b>Project Title</b>  | <b>SARE support</b> | <b>Project Leader</b>  | <b>Organization</b>                             |
|------------------|---|---------------------|------------------------|---|
| LS10-237         | Understanding Small Landowners' perspectives in adoption of Goat-Agroforestry Land Management System  | \$27,961.00         | Buddhi Gyawali         | Alabama A&M University                          |
| LS10-234         | Enhancing the Economic Stability of Select Limited Resource Farms through the Establishment of Micropropagated Pecan Orchards Integrated with Crops and Animals       | \$15,000.00         | Leonard Githinji       | Tuskegee University                             |
| LS09-223         | Nutrient optimization for sustainable goat production systems in the southeastern U.S.  | \$170,000.00        | Sandra Solaiman        | Tuskegee 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                        | \$250,000.00        | Joseph Kloepper        | Auburn University, Dept Entomology & Plant Path |
| LS08-209         | Producing, processing and marketing forage-finished beef for consumers in the southeastern United States  | \$151,000.00        | Chris Kerth            | Auburn University                               |
| LS08-207         | Enhancing the long-term sustainability and profitability of small, limited resource farmers in the Black Belt South through marketing research & education            | \$122,000.00        | Tasha Hargrove         | Tuskegee University                             |
| LS05-174         | Understanding Plant-Soil-Livestock Interactions: A Key to Enhanced Sustainability in Southern-Pine Silvopasture Systems   | \$120,000.00        | Mary S. Miller-Goodman | Auburn University Dept Agronomy & Soils         |
| 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 | \$14,850.00         | Barrett T. Vaughan     | Tuskegee University                             |

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|------------------|---|---------------------|--------------------------|---|
| LS02-137         | Participatory Implementation of Sustainable Vegetables Systems for Small and Limited Resource Farmers                     | \$161,280.00        | Joseph W. Kloepper       | Dept Entomology & Plant Path                      |
| LS02-141         | Sustainable Year-Round Forage System for Goat Production in the Southern USA  | \$178,120.00        | Sandra Solaiman          | Tuskegee University                               |
| LS98-092         | Development of Sustainable Cropping Systems for Canola on Limited-Resource Farms in Alabama                               | \$124,488.00        | Udai Bishnoi             | Alabama A&M University                            |
| LS94-062         | Intercropping Small Grains and Lupin for Sustainable On-Farm Utilization  | \$142,651.00        | Edzard van Santen        | Auburn University                                 |
| AS94-016         | Development of Guidelines for and Demonstration of Efficient Treatment of Swine Lagoon Wastewater by Constructed Wetlands | \$130,325.00        | T. A. McCaskey           | Auburn University, Animal/Dairy Sciences          |
| LS93-051         | Warm-Season Forage Grasses as Rotations for Sustaining Profitable Peanut Production                                       | \$183,000.00        | Rodrigo Rodriguez-Kabana | Auburn University, Plant Pathology                |
| LS93-053         | Sustainable Whole Farm Grain/Silage Production Systems for the Southeast  | \$240,639.00        | D. Wayne Reeves          | USDA-ARS,   |
| LS91-033         | Reference Manual of LISA Resource Management Strategy Budgets for the Mid-South Region                                    | \$50,000.00         | Larry Johnson            | Tennessee Valley Authority Agricultural Institute |
| LS91-034         | Total Resource Budgeting of LISA Related Management Strategies  | \$19,500.00         | Jerry R. Crews           | Auburn University                                 |

### **PROFESSIONAL DEVELOPMENT PROJECTS**

|          |  |             |                  |                     |
|----------|--|-------------|------------------|---------------------|
| ES11-107 | Training for sustainable year-round forage production and grazing/browsing management in the Southern Region                     | \$69,843.00 | Uma Karki        | Tuskegee University |
| ES10-102 | Organic Agriculture Hands-on Training and Educational Materials for Extension Professionals in the Southeast                     | \$98,850.00 | Leonard Githinji | Tuskegee University |
| ES09-099 | Developing successful organic horticulture farms: practical training for agricultural professionals                              | \$62,915.00 | Jean Mills       | S-SAWG              |
| ES00-050 | We Can Do Something about Fire Ants: Training Professionals and Developing Teaching Materials in Sustainable Fire Ant Management | \$40,155.00 | Kathy Flanders   | Auburn University   |

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|------------------|---|---------------------|-----------------------|---------------------|
| LST94-005        | Sustainable Cotton Production for the South | \$10,000.00         | Elizabeth Ann Guertal | Auburn University   |

### **GRANTS TO FARMERS**

|          |   |             |                           |  |
|----------|---|-------------|---------------------------|--|
| FS09-235 | Water Catchment Systems for Mobile and Permanent Farm Structures  | \$9,970.00  | Santiago Lima             |  |
| FS08-224 | Organic Strawberry Production: Extending the Season with Low Tunnels  | \$10,000.00 | Jan Garrett               |  |
| FS08-226 | Native-Grass Prairie Restoration and Soil Remediation Program   | \$9,995.00  | Fitz Hudson               |  |
| FS07-215 | Diversify Production Methods of Medicinal Herb Crops with Tissue Culture  | \$9,946.00  | Mary Janis                | Sanctuary Native Plants                |
| FS06-201 | Evaluating Poultry Breeds Suitable for Pastured Production  | \$7,988.00  | Bill Findley              | Rough House Farm                       |
| FS06-202 | Small Scale Rabbit, Production, and Marketing Project   | \$10,000.00 | Jeanette Grayson          |  |
| FS05-195 | Alternative techniques for harvesting inland saltwater shrimp   | \$6,557.00  | David Teichert-Coddington | Greene Prairie Aquafarm                |
| FS05-187 | Soil Building and Fertility through Cover Cropping among Limited Resource Farmers                                     | \$11,968.00 | John Brown                | Selma-Dallas Small Farmers Association |
| FS02-159 | Improving Stocking and Insect Control Procedures to Increase Survival of Saltwater Shrimp Post-larvae in Inland Ponds | \$6,667.00  | David Teichert-Coddington | Greene Prairie Aquafarm                |
| FS00-122 | Using Caged Filter-Feeding Fish to Increase Production and Profits from Fertile Catfish Ponds                         | \$3,282.00  | William Odum              |  |
| FS98-080 | Establishment of a Grazing Management School for Producers  | \$9,260.00  | Kenneth Rogers            | Alabama Forage and Grass Coalition     |
| FS97-064 | Evaluation of a Low-Cost Innovative Ensiling System for Small- to Medium-Sized Dairy Operations                       | \$10,000.00 | David and Lianne Wright   | Canebrake Farms                        |
| FS97-049 | Crop Production Systems for Nonchemical Control of Reniform Nematodes   | \$8,892.40  | Richard Edgar             |  |
| FS97-052 | Sustainable Pumpkin Production in the Southeast   | \$4,655.00  | Dwight James              |  |

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|-----------------------------|--|---------------------|-----------------------|---|
| FS94-011                    | Clover Clippings as Replacement for Chicken Litter in Compost  | \$6,160.00          | Jean Mills            |   |
| <b>Community Innovation</b> |  |                     |                       |   |
| CS10-083                    | United Cherokee Ani-Yun-Wiya Nation Blackberry Development Project (UCANBD Project)                                    | \$10,000.00         | Gina Williamson       |   |
| CS09-074                    | Producers/Buyers Cooperative: Linking Family Farms and Institutions  | \$10,000.00         | Kathryn Strickland    | Food Bank of North Alabama  |
| CS08-067                    | The Alabama Blackbelt Community Food System Project  | \$10,000.00         | Andrew Williams       | The United Christian Community Association (TUCCA)                                      |
| CS08-068                    | Training for Sustainable Community Development: Phase IIIb   | \$5,000.00          | Robert Zabawa         | Tuskegee University   |
| CS07-060                    | Training for Sustainable Community Development: Phase III  | \$10,000.00         | Robert Zabawa         | Tuskegee University   |
| CS06-051                    | The Clean Food Network   | \$40,000.00         | Dove Stackhouse       | Alabama Sustainable Agriculture Network   |
| CS06-046                    | Training for Sustainable Community Development: Phase II   | \$10,000.00         | Robert Zabawa         | Tuskegee University   |
| CS05-039                    | Partnerships for Sustainable Communities   | \$10,000.00         | Robert Zabawa         | Tuskegee University<br>G.W. Carver AES  |
| CS05-037                    | Agritourism and Agribusiness Entrepreneur Training, Assistance and Product Marketing in the Eastern Alabama Black Belt | \$9,956.00          | Barrett Vaughan       | Tuskegee University   |
| CS04-019                    | Sustainable Agriculture for Future Economics (SAFE)  | \$10,000.00         | Wendy Allen           | SAFE, Healthy Coastal Communities Initiative of the Mobile Bay National Estuary Program |
| CS04-032                    | Developing a Marketing Network for Central Alabama   | \$10,000.00         | Karen Wynne           | Alabama Sustainable Agriculture Network, Inc.   |

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|------------------|--|---------------------|-----------------------|--|
| CS03-016         | Taylor Community Supported Agriculture Project (TCSAP) | \$10,000.00         | Evelyn S. Williams    | The United Christian Community Association |

### **Graduate Student Grants**

|          |  |             |                  |  |
|----------|--|-------------|------------------|--|
| GS11-098 | Dewatering Aquaculture Effluent For The Hydroponic Production of Pak Choi ( <i>Brassica rapa chinensis</i> ) and Production of Vegetable Seedlings   | \$9,932.00  | Jesse Chappell   | Auburn University Fisheries and Allied Aquaculture Program |
| GS08-069 | Effects of Forage-finished Beef on Cool- or Warm-Season Forages  | \$9,685.00  | Clinton Rowe     | Auburn University  |
| GS05-049 | Organic mulches and high residue no-till for collard production in Alabama   | \$10,000.00 | Micheal Mulvaney | Auburn University Department of Agronomy and Soils         |
| GS04-042 | Determination of Microbiological Hazards and Critical Control Points in Regional Rabbit Processing Facilities  | \$10,000.00 | Leonard Williams | Alabama A&M 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 | \$9,814.00  | Kirk Braden      | Auburn University  |
| GS04-036 | Assessing the Viability of the Inland Shrimp Farming as a Viable Enterprise in Alabama   | \$9,901.00  | Anthony Deanes   | Tuskegee University  |
| GS03-023 | Aphids as beneficial insects? Using a fire ant – aphid interaction for the sustainable management of insect pests in Southern cotton   | \$7,040.00  | Micky Eubanks    | Auburn University  |

### **On-Farm Grants**

|          |   |             |              |                     |
|----------|---|-------------|--------------|---------------------|
| OS11-059 | Sustainable goat farming: Pasture enhancement and diet selection by goats                                   | \$14,493.00 | Uma Karki    | Tuskegee University |
| OS08-040 | Sustainable Irrigation Methods for Alternative Crop Production  | \$15,000.00 | Elina Coneva | Auburn University   |
| OS04-018 | Recirculating Production Pond Inflows to Increase Production and Reduce Effluents on Small-Scale Fish Farms | \$14,145.00 | David Cline  | Auburn University   |

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|------------------|--|---------------------|-----------------------|---|
| OS02-003         | Central Alabama Soil Quality Improvement for Cotton Growers  | \$2,116.00          | Leonard Kuykendall    | Alabama Cooperative Extension System/Auburn University  |
| OS02-004         | Benefits of the incorporation of triticale/clover into existing grazing management systems to enhance beef cattle production efficiency and sustainability | \$967.00            | Perry Mobley          | Auburn University/Alabama Cooperative Extension Service |

**Total funding from USDA SARE program to Alabama = \$2,765,966**

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For further information on projects, contact Candace Pollock, Southern Region Communications Specialist, 770-412-4786, cpollock@uga.edu, or Dena Leibman, SARE National Communications Specialist, communications@sare.org, 301-405-7955.

SARE is a national USDA program that provides competitive grants, educational materials and extension programs to develop and support approaches that enhance profits, protect the environment and improve rural quality of life.