What is SARE?

Since 1988, the Sustainable Agriculture Research & Education (SARE) program has been the go-to USDA grants and outreach program for farmers, ranchers, researchers and educators who want to develop innovations that improve farm profitability, protect water and land, and revitalize communities. To date, SARE has awarded over $389 million to more than 8,542 initiatives.

SARE is grassroots with far-reaching impact

Four regional councils of expert practitioners set priorities and make grants in every state and island protectorate.

SARE communicates results

SARE shares project results by requiring grantees to conduct outreach and grower engagement; and by maintaining an online library of practical publications, granteeproduced information products and other educational materials.

SARE in Arkansas

southern.sare.org/sare-in-your-state/arkansas

$7,603,049 in total funding

108 grant projects

(since 1988)

For a complete list of grant projects state by state, go to www.sare.org/state-summaries

Project Highlight: Maximizing Cover Crop Use in High Tunnels

Cover crops are becoming a vital tool in soil management, yet vegetable growers who use high tunnels may decline to plant them inside structures due to a variety of factors. In the warm indoor environment, cover crops could potentially provide habitat for overwintering pests. Economically, the benefits may not seem clear since there are fewer off-season periods for a cover crop to fill and growers in such a capital-intensive system may not want to use valuable ground for a crop that has no immediate return.

Funded by a SARE grant, University of Arkansas graduate student Luke Freeman sought to determine the optimum timing for planting cover crops in Southern high tunnels to minimize the negatives and maximize the benefits. Cover crops can be beneficial in high tunnels for reducing nitrogen fertilizer use and improving soil quality. Since local growers stated that mid-November through mid-February was the least productive season, Freeman researched four winter cover crops, followed by summer tomatoes and fall broccoli, during that time period.

He found that winter peas contributed a greater amount of biomass nitrogen than all other treatments. This led to a 48 percent increase in mean tomato yield compared to the control. Sharing these results gives Southern high tunnel vegetable growers a better understanding of the benefits of cover crops.

For more information on this project, see sare.org/projects, and search for project number GS14-136.
SARE Grants in Arkansas

Total awards: 108 grants

- 35 Research and Education
- 5 Sustainable Community Innovation
- 18 Professional Development Program
- 10 Farmer/Rancher
- 21 Graduate Student
- 13 On Farm Research/Partnership
- 6 Education Only

Total funding: $7,603,049

- $5,438,908 Research and Education
- $49,829 Sustainable Community Innovation
- $1,283,398 Professional Development Program
- $105,200 Farmer/Rancher
- $234,284 Graduate Student
- $209,458 On Farm
- $281,972 Research/Partnership
- $49,829 Education Only

Find a complete list of projects on page 3.

SARE's Impact

- 53 percent of producers report using a new production technique after reading a SARE publication.
- 79 percent of producers said they improved soil quality through their SARE project.
- 64 percent of producers said their SARE project helped them achieve higher sales.

Learn about local impacts at: southern.sare.org/sare-in-your-state/arkansas

Contact Your SARE State Coordinator

SARE sustainable ag coordinators run state-level educational programs for Extension and other ag professionals, and many help grant applicants and recipients with planning and outreach. Visit southern.sare.org/state-pages/arkansas to learn more.

Henry English
University of Arkansas at Pine Bluff
(807) 575-7246
englishh@uapb.edu

Amanda McWhirt
University of Arkansas Cooperative Extension
(501) 671-2229
amcwhirt@uada.edu

For detailed information on SARE projects, go to www.SARE.org

SARE is funded by the USDA’s National Institute of Food and Agriculture (NIFA).

This report includes summaries of competitive grant programs only. Some competitive grant programs that are no longer offered may be included or excluded from the totals in this report depending on the grant program and SARE region.
Arkansas has been awarded $7,603,049 grants to support 105 projects, including but not limited to, 32 research and/or education projects, 18 professional development projects and 10 producer-led projects. Arkansas has also received additional SARE support through multi-state projects.

### RESEARCH AND EDUCATION GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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<tbody>
<tr>
<td>LS22-363</td>
<td>Grazing with the Fun Guy (Fungi) – Small Ruminant Worm Control</td>
<td>$371,000</td>
<td>Dr. Joan Burke</td>
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<td></td>
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<td>Thomas Terrill</td>
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<td>Fort Valley State University</td>
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<td></td>
<td>Dr. Adriano Vatta</td>
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<td>Louisiana State University</td>
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<td></td>
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<td>Dr. Niki Whitley</td>
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<td>Fort Valley State University</td>
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<tr>
<td>LS19-316</td>
<td>Forage Establishment and Management in Arkansas' Silvopasture for Small Beef Producers</td>
<td>$255,302</td>
<td>Dr. Dirk Philipp</td>
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<td>University of Arkansas</td>
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<tr>
<td>LS19-317</td>
<td>Innovative Nutrient Management Options for Sustainable Pasture Land Intensification</td>
<td>$296,352</td>
<td>Michael Popp</td>
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<tr>
<td>LS17-282</td>
<td>High Tunnel Grape Production Systems: A Novel Sustainable Approach to Growing Grapes</td>
<td>$266,986</td>
<td>Renee Threlfall</td>
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<td></td>
<td>Dr. M. Elena Garcia</td>
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<td>University of Arkansas Division of Agriculture</td>
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<tr>
<td>LS16-274</td>
<td>The Impact of Mineral Particle Film on Blackberry Diseases and Insects, and Primocane Fruit Quality and Yield</td>
<td>$174,290</td>
<td>Sherri Sanders</td>
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<td>University of Arkansas CES</td>
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<tr>
<td>LS16-276</td>
<td>Validating Sustainability/Resilience and Quality of Life Indices to Identify Farm- and Community-Level Needs and Research and Education Opportunities</td>
<td>$203,560</td>
<td>Dr. James Worstell</td>
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<tr>
<td>LS13-259</td>
<td>Participatory assessment of progress, barriers and opportunities for sustainability in Southern agricultural systems</td>
<td>$100,000</td>
<td>Dr. James Worstell</td>
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<td>LS12-250</td>
<td>Extending the Market Season with High Tunnel Technology for Organic Fruit Production</td>
<td>$214,984</td>
<td>Dr. Curt Rom</td>
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<td>LS10-226</td>
<td>Integrating Free Range Poultry with Ruminant and Agroforestry Production in a Systems Approach</td>
<td>$210,000</td>
<td>Dr. Anne Fanatico</td>
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<td>Appalachian State University</td>
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<tr>
<td>LS08-204</td>
<td>Sustainable control of gastro-intestinal nematodes in organic and grass-fed small ruminant production systems</td>
<td>$230,000</td>
<td>Dr. Joan Burke</td>
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<td>LS05-176</td>
<td>Best management practices for organic orchard nutrition</td>
<td>$200,000</td>
<td>Dr. Curt Rom</td>
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<td>University of Arkansas</td>
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<td>LS04-160</td>
<td>Using Parasitoids in an Integrated Pest Management Approach to Control Flies on Dairy Farms</td>
<td>$288,000</td>
<td>Kelly Loftin</td>
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<td>LS04-166</td>
<td>Increasing the effectiveness of assisting farmers with sustainable on-farm enterprise</td>
<td>$15,860</td>
<td>Keith Richards</td>
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<tr>
<td>LS04-167</td>
<td>The Southern Region Organic Fruit Production Initiative: Identifying Barriers, Needed Research, Markets, and Opportunities</td>
<td>$15,555</td>
<td>Dr. Curt Rom</td>
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<tr>
<td>LS03-145</td>
<td>Technical and Economic Analysis of the Potential for Conversion of Poultry and Swine Production Facilities to Greenhouses and Mushroom Houses</td>
<td>$17,448</td>
<td>Michael Evans</td>
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<tr>
<td>LS02-133</td>
<td>Rotational Grazing on Land Receiving Manure Applications; Impacts of Land Management Practices on Soil and Water Quality</td>
<td>$195,972</td>
<td>Jeff Birkby</td>
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<tr>
<td>LS01-130</td>
<td>Building from excellent agents to effective organizers of collaborative, sustainable rural enterprise</td>
<td>$19,990</td>
<td>Dr James Worstell</td>
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<tr>
<td>LS00-113</td>
<td>Whole Farm Planning for Grass-fed Beef</td>
<td>$214,069</td>
<td>Ann Wells</td>
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<tr>
<td>LS98-095</td>
<td>Intergenerational Education for Sustainable Agriculture</td>
<td>$176,240</td>
<td>Savanah Williams</td>
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<td>LS98-096</td>
<td>Integrating Farmer-driven, Value-added Enterprises Into Sustainable Agricultural Systems</td>
<td>$120,590</td>
<td>Keith Richards</td>
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<td>LS96-076</td>
<td>Integration of Pastured Poultry Production Into the Farming Systems of Limited Resource Farmers</td>
<td>$149,624</td>
<td>Skip Polson</td>
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<tr>
<td>LS95-067</td>
<td>The Development of Pasture-Based Swine Production Systems for Limited Resource Farms in the Mississippi Delta</td>
<td>$274,412</td>
<td>Bryant Stephens</td>
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<tr>
<td>LS94-061</td>
<td>Integrating Sustainable Forestry into Whole Farm Management of Minority and Limited Resource Landowners in Two Regions of Arkansas</td>
<td>$246,710</td>
<td>Erin Hughes</td>
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<tr>
<td>LS92-049</td>
<td>Organic Soil Amendments of Agricultural By-Products for Vegetable Production Systems in the Mississippi Delta Region</td>
<td>$140,000</td>
<td>Tina Gray Teague</td>
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<tr>
<td>LS91-038</td>
<td>Developing and Extending Minimum Input Strategies for Weed Control in Agronomic and Horticultural Crops</td>
<td>$100,000</td>
<td>Ford L. Baldwin</td>
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<tr>
<td>LS91-039</td>
<td>Use of Poultry Litter as a Soil Amendment in Southern Row Crop Agriculture: A Feasibility Study Based on Agronomic, Environmental, and Economic Factors (AS93-10)</td>
<td>$300,000</td>
<td>David M. Miller</td>
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<td>LS91-040</td>
<td>Utilization of Winter Legume Cover Crops for Pest and Fertility Management in Cotton</td>
<td>$304,000</td>
<td>Craig S. Rothrock</td>
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<tr>
<td>Project #</td>
<td>Project Title</td>
<td>SARE Support</td>
<td>Project Leaders</td>
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</tbody>
</table>
| LS90-023    | A Mid-South Conference on LISA-Related Agroforestry Practices and Policies                               | $18,000      | D. Henderson  
Winrock International Institute for Agricultural Development                                                                                  |
| LS89-019    | Development of a Plan for Implementing a Low-input Sustainable Forage Production System in the Oklahoma-Arkansas Ozark Highland Region and Similar Land Areas | $15,000      | Douglas Butts  
Soil Conservation Service                                                                                                                      |
| LS88-004    | Planning Grant: Development of a Farmer/Extension/Research Network and Farming Systems Data Base for Low-Input Agriculture | $15,000      | Ted Jones  
University of Arkansas                                                                                                                        |
| LS88-011    | Developing and Extending Minimum Input Strategies for Weed Control in Agronomic and Horticultural Crops | $190,000     | Ford L. Baldwin  
University of Arkansas, Cooperative Extension                                                                                                 |
| LS88-011.2  | Developing and Extending Minimum Input Strategies for Weed Control in Agronomic and Horticultural Crops | $100,000     | Ford L. Baldwin  
University of Arkansas, Cooperative Extension                                                                                                 |

**PROFESSIONAL DEVELOPMENT PROGRAM GRANTS**

<table>
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<tr>
<th>Project #</th>
<th>Project Title</th>
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<th>Project Leaders</th>
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</thead>
</table>
| SPDP22-08      | Sustainable Practices for Strawberry Production: Field Demonstration and Virtual Training Program for the Southeast | $71,481      | Dr.Amanda McWhirt  
University of Arkansas Cooperative Extension  
Troyce Barnett  
NRCS- Natural Resources Conservation Specialist  
Dr.Aaron Cato  
University of Arkansas  
Dr.Alejandro Rojas  
University Of Arkansas Division Of Agriculture                     |
| ES20-154       | Demystifying Regenerative Grazing and Soil Health                                                       | $79,866      | Nina Prater  
NCAT                                                                                                                                            |
| ES20-155       | Utilizing Insect and Irrigation Monitoring to Enhance Sustainable Vegetable Production: Extension Educator Training for Arkansas | $69,328      | Dr.Aaron Cato  
University of Arkansas                                                                                                                        |
| ES17-135       | Integrating Cover Crops into Vegetable Production: Extension educator training for Arkansas             | $72,493      | Dr.Amanda McWhirt  
University of Arkansas Cooperative Extension                                                                                                 |
| ES13-116       | Increasing the Professional Technical Support for Local, Sustainable Food Distribution Systems in the Southern Region | $79,776      | Keith Richards  
Southern SAWG                                                                                                                                   |
Southern SAWG                                                                                                                                   |
| ES08-089       | Toolbox for Small Ruminant Educators: Building on the Small Ruminant Resource Manual                    | $61,523      | Linda Coffey  
National Center for Appropriate Technology (NCAT)                                                                                               |
| ES08-091       | Organic Dairy Training Conferences and Educational Materials for Professionals                           | $97,456      | Dr.Wayne Kellogg  
University of Arkansas                                                                                                                        |
| ES07-088       | Building Organic Agriculture Extension Training Capacity in the Southeast                              | $195,000     | Heather Friedrich  
University of Arkansas  
Dr.M. Elena Garcia  
University of Arkansas Division of Agriculture                                                                                             |
### FARMER/RANCHER GRANTS

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<th>Project #</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>FS23-346</td>
<td>Effects of Vermicast Extract and Cover Cropping on the Soil Food Web and Crop Health as Compared to Beds Treated with Conventionally Applied Compost</td>
<td>$8,433</td>
<td>Megan Thomas, Samaritan Community Center</td>
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<tr>
<td>FS19-320</td>
<td>Implementation of Biointensive Organic Production Principles in Agroforestry Systems: An examination of efficacious cultivated berry and vegetable production in temperate forests through alley cropping and companion planting</td>
<td>$8,695</td>
<td>Krissy Waters, Sunchild Flourish Co., LLC</td>
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<td>FS06-207</td>
<td>Networking Sheep and Goat Producers: Strength in Numbers</td>
<td>$10,000</td>
<td>Janice Neighbor</td>
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<td>FS04-178</td>
<td>Farmers Working with Farmers to Establish Managed Grazing Systems</td>
<td>$14,740</td>
<td>Frank Bostwick, Grassroots Grazing Group</td>
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<td>FS03-165</td>
<td>Economics of Plant Spacing on Tomato Yield and Quality</td>
<td>$7,378</td>
<td>Paul E. Cooper, 100 East First</td>
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<td>FS02-160</td>
<td>Small Dairy Business Plan for On-Farm Mini-Processing Facility</td>
<td>$9,980</td>
<td>Sam Ward</td>
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</table>

### Project Titles and Support

- **ES04-076**: Putting it all together: using livestock to manage natural resources by Teresa Mauerer (NCAT) - $80,187
- **ES02-060**: Enhancing Educator Knowledge of Sheep and Goat Production by Linda Coffey (National Center for Appropriate Technology (NCAT)) - $49,998
- **ES00-051**: Preparing Traditional Providers for Delivery of Sustainable Agriculture Information by Rex Dufour (NCAT) - $8,976
- **ES99-044**: Development of a Dairy Farm Sustainability Checksheet and Establishment of Distance Education Program for Training CES and NRCS Personnel to Work with Dairy Farmers by Ann Wells (National Center for Appropriate Technology) - $54,621
- **ES98-038**: Motivating Teams for Enterprise Facilitation by Dr. James Worstell (Delta Land & Community) - $96,000
- **ES97-019**: Nuisances in the Community: Training on the Issues and the Methods of Mediation by Jim Horne (Kerr Center for Sustainable Agriculture) - $56,000
- **ES97-031**: Development of Sustainability Checksheet, Manual and Workshops to Train Educators Planning Beef Programs by Ron Morrow (NCAT/ATTRA) - $69,936
- **ES97-034**: Multi-state Value-Added Team Building in the Northern Mississippi River Delta Region by Dr. James Worstell (Delta Land & Community) - $20,000
- **LST96-013**: Sustainable Agriculture Marketing through Collaborative Policy Development by Dr. James Worstell (Delta Land & Community) - $40,900
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</table>
| FS01-143   | Biological Fly Control on Arkansas Dairies Utilizing Parasitoids                                                                                                                                                | $15,000      | Floyd Wiedower  
Arkansas Dairy Cooperative Association                                                   |
| FS00-123   | Cooperative Marketing of Organic Produce and Animal Products Direct to Consumers                                                                                                                             | $15,000      | Margaret Carey  
Organic Growers Assoc.                                                                    |
| FS95-032   | Native Pecan Orchard Management Using Best Management Practices                                                                                                                                                | $5,986       | Bill Wilson                                               |
| FS94-015   | Farmer-to-Farmer Transfer of Knowledge About Rotational Grazing                                                                                                                                                | $9,988       | Luane Schroeder                                          |
| GS23-294   | Investigating the Potential Influence of Ganoderma lucidium on Gastrointestinal Functionality and Immune Status of Goats                                                                                      | $16,500      | Dr. Emmanuel Asiamah  
University of Arkansas at Pine Bluff  
Maxwell Mkunga  
University of Arkansas at Pine Bluff                                                 |
| GS21-250   | Utility of Native Floral Plantings Between Tree Rows for Conservation and Management of Wild Bees and Other Beneficial Insects in Tree Fruit Orchards                                                              | $14,817      | Dr. Neelendra Joshi  
University of Arkansas  
Lilia Beattie  
University of Arkansas System Division of Agriculture                                     |
| GS19-207   | The Impacts of Native Plant Diversity on Native Bee Development and Soil Health                                                                                                                              | $13,101      | Dr. Neelendra Joshi  
University of Arkansas  
Olivia Kline  
University of Arkansas, Department of Entomology                                    |
| GS19-208   | Evaluation of Different Ensiling Methods and the Effect on Feeding Value of the Residual Material from Edamame Soybean Processing                                                                             | $16,500      | Dr. Beth Kegley  
University of Arkansas Division of Agriculture  
Ellen Herring  
University of Arkansas                                                   |
| GS19-218   | Educational Resources to Develop Value-added Products from Farmers Market Surplus                                                                                                                            | $14,475      | Renee Threlfall  
University of Arkansas  
Morgan Gramlich  
University of Arkansas                                                   |
| GS18-189   | Exploring Cover Crops in an Integrated Approach to Reduce Disease Pressure and Increase Beneficial Insects in Watermelon Production                                                                            | $13,664      | Dr. Jackie Lee  
University of Arkansas Cooperative Extension Service  
Paige Rickman  
University of Arkansas                                                   |
| GS18-186   | Development of Native Pollinator Habitat within Livestock Pasture                                                                                                                                             | $11,324      | Dr. Neelendra Joshi  
University of Arkansas  
Dr. Roshani Sharma Acharya  
University of Arkansas                                                   |
| GS16-154   | Kairomone-Based Control of Sesiid Borers in Peach Orchards                                                                                                                                                    | $2,066       | Dr. William Baltosser  
University of Arkansas at Little Rock  
Matthew Hetherington  
University of Arkansas at Little Rock                                                  |
| GS15-143   | Pollinator Communities On Native Emergent Wetlands, Managed Emergent Wetlands, and Adjacent Croplands in the Lower Mississippi Alluvial Valley of Arkansas                                                           | $11,000      | Ashley Dowling  
University of Arkansas  
Phillip Stephenson  
University of Arkansas                                                   |
| GS14-136   | Sustainable management of high tunnel organic vegetable production with short-season winter cover crops                                                                                                   | $10,951      | Dr. Curt Rom  
University of Arkansas  
Luke Freeman  
University of Arkansas                                                   |
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<th>Project #</th>
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</table>
| GS13-122    | Improving lamb performance with sericea lespedeza and molybdenum             | $10,007      | Dr.Charles Rosenkrans  
University of Arkansas  
Dr.Mohan Acharya  
Lincoln University |
| GS13-123    | Ground cover and organic nutrient management practices altering the         | $11,000      | Dr.Mary Savin  
University of Arkansas  
Jade Ford  
University of Arkansas |
| GS11-106    | Evaluation of the Utility of Adding Artificial Bumble Bee Nesting Sites   | $9,000       | Allen Szalanski  
University of Arkansas  
Amber Tripodi  
University of Arkansas |
| GS09-084    | Microbial changes associated with use of brassica cover crops in a          | $9,971       | Craig S. Rothrock  
University of Arkansas, Plant Pathology  
Dr.Terry Kirkpatrick  
University of Arkansas  
Mandy Cox  
University of Arkansas |
| GS07-061    | Importance of Brassica soil amendments for managing soilborne disease      | $9,944       | Craig S. Rothrock  
University of Arkansas, Plant Pathology  
Kimberly Cochran  
University of Arkansas |
| GS05-048    | The Effects of Different Organic Apple Production Systems on Seasonal        | $10,000      | Dr.Curt Rom  
University of Arkansas |
| GS04-033    | Impact of Potential Organic Pesticides and Potential Fruit Crop Load       | $10,000      | Dr.Curt Rom  
University of Arkansas  
Jason D. McAfee  
University of Arkansas |
| GS03-026    | Compatibility of Plant Defense Elicitors with Aphid- and Nematode-         | $10,034      | William Cooper  
University of Arkansas Department of Entomology |
| GS03-029    | Performance and Quality of Pasture-raised Poultry: Label Rouge - Type       | $9,940       | Dr.Anne Fanatico  
Appalachian State University |
| GS03-030    | Evaluation of Microbial Ecology in Pasture Ecosystems with Long-term        | $9,990       | Dr.Mary Savin  
University of Arkansas  
Peter J. Tomlinson  
University of Arkansas - Fayetteville |
| GS01-010    | Enhancing the Sustainability of Tall Fescue Forage Systems for Beef         | $10,000      | Jane Parish  
Univ. of Arkansas Cooperative Extension Service |

**ON FARM RESEARCH/PARTNERSHIP GRANTS**

<table>
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<tr>
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<th>Project Title</th>
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</table>
| OS23-170    | Fish in the Fields: Increasing Sustainability of Existing Rice Farming       | $30,000      | Dr.Benjamin Runkle  
University of Arkansas, Fayetteville |
| OS19-124    | The Impact of Estimated Breeding Values on Parasite Resistance and Reduced   | $15,000      | Dr.Joan Burke  
USDA, Agricultural Research Service |
| OS18-116    | Cover Crop Effect on Nematode Activity in the Soil                           | $15,000      | Matthew Davis  
University of Arkansas Jackson County Extension Service |
| OS13-073    | Investigation of Potential Biological Control Agents for Internal Parasite   | $14,930      | Dr.Yong Park  
University of Arkansas Pine Bluff |

| Project Title                                                                 | SARE Support | Project Leaders                                                                 |
| Fish in the Fields: Increasing Sustainability of Existing Rice Farming Practices with Supplemental Aquaculture | $30,000 | Dr.Benjamin Runkle  
University of Arkansas, Fayetteville |
| The Impact of Estimated Breeding Values on Parasite Resistance and Reduced Parasitism in Sheep | $15,000 | Dr.Joan Burke  
USDA, Agricultural Research Service |
| Cover Crop Effect on Nematode Activity in the Soil | $15,000 | Matthew Davis  
University of Arkansas Jackson County Extension Service |
| Investigation of Potential Biological Control Agents for Internal Parasite Control in Goats | $14,930 | Dr.Yong Park  
University of Arkansas Pine Bluff |
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<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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</thead>
<tbody>
<tr>
<td>OS13-077</td>
<td>Establishment of native pollinator habitat in organic and conventional small ruminant pastures</td>
<td>$15,000</td>
<td>Dr. Joan Burke USDA, Agricultural Research Service</td>
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<tr>
<td>OS12-064</td>
<td>An alternative organic strawberry production system grown vertically in high tunnels</td>
<td>$15,000</td>
<td>Dr. M. Elena Garcia University of Arkansas Division of Agriculture</td>
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<tr>
<td>OS09-045</td>
<td>Identifying ewes resistant to gastrointestinal parasitic worms during gestation and lactation</td>
<td>$14,866</td>
<td>Dr. Joan Burke USDA, Agricultural Research Service</td>
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<tr>
<td>OS08-044</td>
<td>The Use of Controlled Grazing, Chicory Pasture and Herbal Treatments to Prevent Parasitism in Sheep and Goats, Phase II</td>
<td>$14,941</td>
<td>Dr. Ann Wells Heifer Ranch</td>
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<tr>
<td>OS07-036</td>
<td>Sensory Evaluation of Alternative Turkey Genotypes</td>
<td>$14,962</td>
<td>Dr. Anne Fanatico Appalachian State University</td>
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<tr>
<td>OS07-039</td>
<td>The Use of Controlled Grazing and two Herbal Treatments to Prevent Parasitism in Sheep and Goats</td>
<td>$14,967</td>
<td>Dr. Ann Wells Heifer Ranch</td>
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<tr>
<td>OS06-028</td>
<td>An alternative planting strategy for establishing clover in pastures</td>
<td>$14,992</td>
<td>John Jennings University of Arkansas</td>
</tr>
<tr>
<td>OS05-024</td>
<td>Sustainable Grazing Systems for Arkansas: Native warm season grass establishment and control of cool season annual weeds</td>
<td>$14,800</td>
<td>Ron Morrow USDA-NRCS</td>
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<tr>
<td>OS03-016</td>
<td>Use of Parasitoids and Passive Traps as Alternative Methods of Fly Control on Dairy Farms in Arkansas</td>
<td>$15,000</td>
<td>Jodie A. Pennington University of Arkansas CES</td>
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### SUSTAINABLE COMMUNITY INNOVATION GRANTS

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<tbody>
<tr>
<td>CS12-089</td>
<td>Next Steps: Creating a Sustainable Farm to School Program</td>
<td>$10,000</td>
<td>Dana Smith Fayetteville Public Schools</td>
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<tr>
<td>CS11-085</td>
<td>Building a Model Farm to School Program using Community Partnerships</td>
<td>$10,000</td>
<td>Dr. Curt Rom University of Arkansas</td>
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<tr>
<td>CS07-057</td>
<td>Integrating Nature into Agri-tourism</td>
<td>$9,950</td>
<td>Kathy Radomski Phillips Community College UA</td>
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<tr>
<td>CS05-035</td>
<td>Assessing and Meeting the Growing Needs of Arkansas' Women in Agriculture</td>
<td>$9,901</td>
<td>Dr. Jennie Popp University of Arkansas</td>
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<tr>
<td>CS03-014</td>
<td>Northwest Arkansas Local Food Initiative: Promoting All-Ozark Meals</td>
<td>$9,978</td>
<td>Julia Sampson ATTRA</td>
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### EDUCATION ONLY GRANTS

<table>
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<tbody>
<tr>
<td>EDS23-051</td>
<td>Humane Handling Educational Resources for Farmers, Ranchers, and Small Processors</td>
<td>$46,000</td>
<td>Kelly Nuckolls, Esq., J.D., LL.M. LL.M. Program in Food and Agricultural Law Susan Schneider University of Arkansas Law School</td>
</tr>
<tr>
<td>Project Code</td>
<td>Project Title</td>
<td>Amount</td>
<td>Principal Investigator(s)</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------------------------------------------</td>
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</tbody>
</table>
| EDS23-052    | Cultivating Sustainable K-12 Agricultural Sciences Pathways through CommUniversity Partnerships | $46,000 | Dr. Jacquelyn Mosley  
 Dr. Mike Daniels  
 Katherine Dilley  
 Wendell Scales  
 University of Arkansas System Division of Agriculture |
| EDS23-055    | Innovative Urban Ag Conference                                                  | $50,000 | Kesha Cobb  
 The Sustainability Project |
| EDS21-28     | Regenerative Land and Livestock Management for Women                           | $49,972 | Linda Coffey  
 National Center for Appropriate Technology (NCAT)  
 Margo Hale  
 NCAT |
| EDS18-03     | Taking Your Farm to the Next Level: Business and financial planning for sustainable farms and ranches | $47,000 | Margo Hale  
 NCAT |
| EDS18-06     | Increasing Farm Profitability Through Whole Farm Record-Keeping and Analysis    | $43,000 | Elizabeth Young  
 Southern SAWG |

**Total funding from the USDA SARE program to Arkansas**

$7,603,049

For further information on projects, contact 770-412-4787 or ssare@uga.edu. Sustainable Agriculture Research and Education (SARE) is funded by USDA's National Institute of Food and Agriculture (NIFA).