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**AGRICULTURE PROJECTS FUNDED IN ARKANSAS**  
**by USDA's**  
**Sustainable Agriculture Research and Education (SARE) Program**  
**1988-2008**

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Summary: Arkansas has received \$5,076,990 to support 63 projects, including 28 research and/or education projects, 12 extension projects and eight producer-led projects. Arkansas also has received additional SARE support through multi-state projects.

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State sustainable agriculture extension coordinator(s): Leslie Glover, University of Arkansas - Pine Bluff  
Suzanne Smith-Hirrel, Forest Resources Univ of Arkansas

<b>Project #</b>	<b>Project Title</b>	<b>SARE support</b>	<b>Project Leader</b>	<b>Organization</b>
LS08-204	Sustainable control of gastro-intestinal nematodes in organic and grass-fed small ruminant production systems	\$230,000.00	Joan Burke	USDA, ARS
LS05-176	Best management practices for organic orchard nutrition	\$200,000.00	Curt R. Rom	Dept Horticulture
LS04-160	Using Parasitoids in an Integrated Pest Management Approach to Control Flies on Dairy Farms	\$288,000.00	Kelly Loftin	Univ of Arkansas CES
LS04-167	The Southern Region Organic Fruit Production Initiative: Identifying Barriers, Needed Research, Markets, and Opportunities	\$15,555.00	Curt Rom	University of Arkansas
LS04-166	Increasing the effectiveness of assisting farmers with sustainable on-farm enterprise	\$15,860.00	Keith Richards	SAWG
LS04-163	Trade, tenure and tourism in the U.S. Virgin Islands and Puerto Rico: Understanding the Policy Frameworks that will increase success for an Organics Agriculture	\$280,000.00	Eric Wailes	Univ of Arkansas
LS03-145	Technical and Economic Analysis of the Potential for Conversion of Poultry and Swine Production Facilities to Greenhouses and Mushroom Houses for Alternative Marketing Opportunities	\$17,448.00	Michael R. Evans	University of Arkansas
LS02-133	Rotational grazing on land receiving manure applications; impacts of land management practices on soil and water quality	\$195,972.00	Barbara Bellows	Natl. Center for Appropriate Tech (ATTRA)

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LS01-130	Building from Excellent Agents to Effective Organizers of Collaborative, Sustainable Rural Enterprise	\$19,900.00	J.V. Worstell	Delta Land & Community, Inc.
LS00-113	Whole Farm Planning for Production of Grass Fed Beef	\$214,069.00	Ron Morrow	NCAT/ATTRA
LS98-096	Integrating Farmer-Driven, Value-Added Enterprises into Sustainable Agricultural Systems	\$120,590.00	Keith Richards	Southern Sustainable Agriculture Working Group
LS98-095	Intergenerational Education for Sustainable Agriculture	\$176,240.00	Savanah E. Williams	Southern Sustainable Agriculture Working Group
LS96-076	Integration of Pastured Poultry Production Into the Farming Systems of Limited Resource Farmers	\$149,624.00	Skip Polson	Heifer Project International
LNP95-002	ASA Symposium: Integrating Production and Marketing Research for Sustainability	\$4,000.00	James Worstell	Delta Land Community
LS95-067	The Development of Pasture-Based Swine Production Systems for Limited Resource Farms in the Mississippi Delta	\$274,412.00	Barry Colley	AK Land & Farm Development Corp.
LS94-061	Integrating Sustainable Forestry into Whole Farm Management of Minority and Limited Resource Landowners in Two Regions of Arkansas	\$246,710.00	Jim Wimberly	Winrock International
AS93-010	Poultry Litter as a Soil Amendment in Southern Row Crops: A Feasibility Study Based on Agronomic, Environmental and Economic Factors		David M. Miller	University of Arkansas, Agronomy
LS92-049	Organic Soil Amendments of Agricultural By-Products for Vegetable Production Systems in the Mississippi Delta Region	\$140,000.00	Tina Gray Teague	Arkansas State University, Agricultural Research
AS92-001	An Integrated Technological and Marketing Strategy to Make Boiler Production More Sustainable	\$200,000.00	Fee Busby	Winrock International
AS92-002	Habitat Enhancement for Beneficial Insects in Vegetable and Fruit Farming Systems	\$149,039.00	Janet Bachmann	Rodale Institute

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LS91-038	Developing and Extending Minimum Input Strategies for Weed Control in Agronomic and Horticultural Crops	\$100,000.00	Ford L. Baldwin	University of Arkansas, Cooperative Extension
LS91-039	Use of Poultry Litter as a Soil Amendment in Southern Row Crop Agriculture: A Feasibility Study Based on Agronomic, Environmental, and Economic Factors (also see project AS93-10)	\$300,000.00	David Miller	University of Arkansas, Agronomy
LS91-040	Utilization of Winter Legume Cover Crops for Pest and Fertility Management in Cotton	\$304,000.00	Craig S. Rothrock	University of Arkansas, Plant Pathology
LS90-023	A Mid-South Conference on LISA-Related Agroforestry Practices and Policies	\$18,000.00	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	\$15,000.00	Douglas Butts	Soil Conservation Service
LS88-011.2	Developing and Extending Minimum Input Strategies for Weed Control in Agronomic and Horticultural Crops	\$100,000.00	Ford L. Baldwin	University of Arkansas, Cooperative Extension
LS88-011	Developing and Extending Minimum Input Strategies for Weed Control in Agronomic and Horticultural Crops	\$190,000.00	Ford L. Baldwin	University of Arkansas, Cooperative Extension
LS88-004	Planning Grant: Development of a Farmer/Extension/Research Network and Farming Systems Data Base for Low-Input Agriculture	\$15,000.00	Ted Jones	University of Arkansas

### **PROFESSIONAL DEVELOPMENT PROJECTS**

ES08-089	Toolbox for Small Ruminant Educators: Building on the Small Ruminant Resource Manual	\$61,523.00	Linda Coffey	NCAT
ES08-091	Organic Dairy Training Conferences and Educational Materials for Professionals	\$97,456.00	Jodie Pennington	Univ of Arkansas CES

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ES07-088	Building Organic Agriculture Extension Training Capacity in the Southeast	\$195,000.00	Elena Garcia	University of Arkansas CES, Dept of Hort.
ES04-076	Putting it all together: using livestock to manage natural resources	\$80,187.00	Ann Wells	NCAT Sustainable Agriculture Program
ES02-060	Enhancing Educator Knowledge of Sheep and Goat Production	\$49,998.00	Linda Coffey	NCAT
ES00-051	Preparing Traditional Providers for Delivery of Sustainable Agriculture Information	\$8,613.00	Rex Dufour	NCAT/ATTRA
ES99-044	Development of a Dairy Farm Sustainability Checklist and Establishment of a Distance Education Program for Training CES and NRCS personnel to Work with Dairy Farmers	\$54,621.00	Ann Wells	NCAT/ATTRA
ES98-038	Motivating Teams for Enterprise Facilitation	\$96,000.00	James V. Worstell	Delta Land & Community, Inc.
ES97-019	Nuisances in the Community: Training on the Issues and the Methods of Mediation	\$56,000.00	Janie Simms Hipp	National Center for Ag Law Research & Info, University of Arkansas
ES97-034	Multi-state Value-Added Team Building in the Northern Mississippi River Delta Region	\$20,000.00	James Worstell	Delta Land & Community, Inc.
ES97-031	Development of Sustainability Checklist, Manual and Workshops to Train Educators Planning Beef Programs	\$69,936.00	Ron Morrow	NCAT/ATTRA
LST96-013	Sustainable Agriculture Marketing through Collaborative Policy Development	\$40,900.00	James Worstell	Delta Land & Community, Inc.

### **GRANTS TO FARMERS**

FS06-207	Networking Sheep and Goat Producers: Strength in Numbers	\$10,000.00	Janice Neighbor
FS04-178	Farmers Working with Farmers to Establish Managed Grazing Systems	\$14,740.00	Frank Bostwick
FS03-165	Economics of Plant Spacing on Tomato Yield and Quality	\$7,378.00	Paul E. Cooper

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FS02-160	Develop a Business Plan for a Small Dairy to start a Sustainable On-Farm Mini-Processing Facility to add value to milk	\$9,980.00	Sam Ward	Husanna Hills
FS01-143	Biological Fly Control on Arkansas Dairies Utilizing Parasitoids	\$15,000.00	Floyd Wiedower	
FS00-123	Cooperative Marketing of Organic Produce and Animal Products Direct to Consumers	\$15,000.00	Margaret Carey	Organic Growers Assoc.
FS95-032	Native Pecan Orchard Management Using Best Management Practices	\$5,986.00	Bill Wilson	
FS94-015	Farmer-to-Farmer Transfer of Knowledge About Rotational Grazing	\$9,988.00	Luane Schroeder	

### **Community Innovation**

CS07-057	Integrating Nature into Agritourism	\$9,950.00	Katherine Radomski	Phillips Community College of the University of Arkansas
CS05-035	Assessing and Meeting the Growing Needs of Arkansas' Women in Agriculture	\$9,901.00	Jennie Popp	Univ of Arkansas-Fayetteville
CS03-014	Northwest Arkansas Local Food Initiative: Promoting All-Ozark Meals	\$9,978.00	Julia Sampson	National Center for Appropriate Technology (ATTRA)

### **Graduate Student Grants**

GS07-061	Importance of Brassica soil amendments for managing soilborne disease in ornamentals and vegetables	\$9,944.00	Kimberly Cochran	University of Arkansas
GS05-048	The Effects of Different Organic Apple Production Systems on Seasonal Variation of Soil Properties and Foliar Nutrient Concentration	\$10,000.00	Curt Rom	University of Arkansas Department of Horticulture
GS04-035	Impact of Potential Organic Pesticides and Potential Fruit Crop Load Regulators on Photosynthesis and Growth of Apple	\$10,000.00	Curt Rom	Univ of Arkansas

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GS03-030	Evaluation of microbial Ecology in Pasture Ecosystems with Long-term Poultry Litter Additions	\$9,989.68	Marv Savin	Univ of Arkansas/Dept Crop, Soil & Environ. Sci.
GS03-029	Performance and Quality of Pasture-raised Poultry: Label Rouge –type	\$9,940.00	Casey Owens	Univ of Arkansas/Center of Excellence for Poultry Science
GS03-026	Compatibility of Plant Defense Elicitors with Aphid- and Nematode-Resistant Tomato Varieties in Integrated Pest Management	\$10,000.00	Fiona Goggin	Univ of Arkansas
<b>On-Farm Grants</b>				
OS08-044	The Use of Controlled Grazing, Chicory Pasture and Herbal Treatments to Prevent Parasitism in Sheep and Goats, Phase II	\$14,941.00	Ann Wells	Heifer International
OS07-039	The Use of Controlled Grazing and two Herbal Treatments to Prevent Parasitism in Sheep and Goats	\$14,967.00	Ann Wells	Heifer Ranch
OS07-036	Sensory Evaluation of Alternative Turkey Genotypes	\$14,962.00	Anne Fanatico	University of Arkansas
OS06-028	An Alternative Planting Strategy for Establishing Clover in Pastures	\$14,992.00	John Jennings	University of Arkansas Division of Agriculture
OS05-024	Sustainable Grazing Systems for Arkansas: Native warm season grass establishment and control of cool season annual weeds	\$14,700.00	Ron Morrow	USDA/NRCS
OS03-016	Use of Parasitoids and Passive Traps as Alternative Methods of Fly Control on Dairy Farms in Arkansas	\$15,000.00	Jodie A. Pennington	Univ of Arkansas Cooperative Extension Service

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**Total funding from USDA SARE program to Arkansas = \$5,076,990**

For further information on projects, contact Sue Blum, Southern Region Communications Assistant, 770-229-3350, sueblum@uga.edu, or Dena Leibman, SARE National Communications Specialist, communications@sare.org, 301-504-5230.

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.