

## 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 \$359 million to more than 8,107 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, grantee-produced information products and other educational materials.



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

## SARE: Advancing the Frontier of Sustainable Agriculture in...

# Louisiana

### Project Highlight: *Summer Cover Crops Can Boost Fall Sales*

Using summer cover crops to improve soil health on farms in Louisiana, Mississippi and Alabama has the potential to boost production of organic vegetable crops grown for local sale. Enhanced production would help meet the large increase in demand for local produce, especially in direct markets. In these states, fall through spring is the chief growing time, with summer fields typically left fallow. However, very few studies on the use of cover crops in Gulf Coast states exist. Carl Motsenbocker aimed to fill the gap in knowledge by using a SARE grant to study the influence of summer cover crop systems on fall organic vegetable crops in Louisiana and Mississippi.

Through replicated cover crop studies—some conducted on cooperating farms—Motsenbocker did, in fact, find that several summer cover crops bode well for use in organic vegetable production.

Field days and demonstrations held over the course of the project provided information to more than 150 vegetable growers about the potential of these cover crops. At these events, the project team answered frequent questions about summer crops and vegetables from other interested parties. Importantly, Motsenbocker reported relationships being developed among Alcorn State University, Alabama A&M University, Mississippi State University, and the Louisiana State University Ag Center scientists.

For more information on this project, see [sare.org/projects](http://sare.org/projects) and search for project number [LS10-230](#).

## SARE in Louisiana

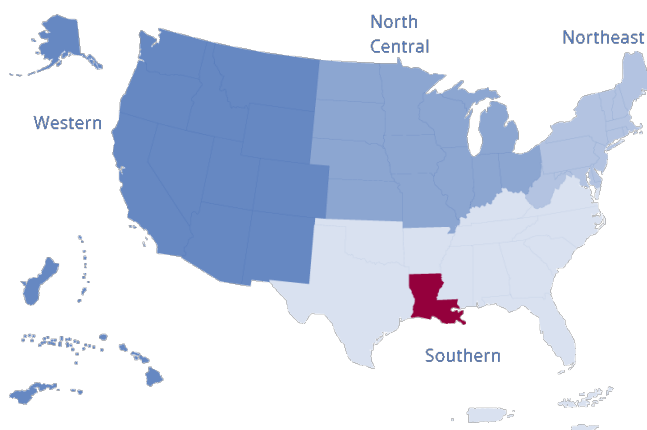
[southern.sare.org/sare-in-your-state/louisiana](http://southern.sare.org/sare-in-your-state/louisiana)

**\$1,640,227**  
in total funding

**37 grant projects**

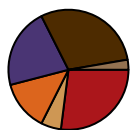
(since 1988)

For a complete list of grant projects state by state, go to [www.sare.org/state-summaries](http://www.sare.org/state-summaries)



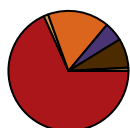
## SARE Grants in Louisiana

Total awards: 37 grants



10 Research and Education  
2 Sustainable Community Innovation  
5 Professional Development Program  
8 Farmer/Rancher  
11 Graduate Student  
1 On Farm Research/Partnership

Total funding: \$1,640,227



\$1,119,833 Research and Education  
\$19,930 Sustainable Community Innovation  
\$271,966 Professional Development Program  
\$84,857 Farmer/Rancher  
\$129,333 Graduate Student  
\$14,308 On Farm Research/Partnership

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/louisiana](http://southern.sare.org/sare-in-your-state/louisiana)

### 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/louisiana](http://southern.sare.org/state-pages/louisiana) to learn more.

Milagro Berhane  
Southern University  
(225) 771-2753  
[milagro\\_berhane@suagcenter.com](mailto:milagro_berhane@suagcenter.com)

Carl Motsenbocker  
LSU AgCenter  
(225) 578-1036  
[cmotsenbocker@agcenter.lsu.edu](mailto:cmotsenbocker@agcenter.lsu.edu)



For detailed information on SARE projects, go to [www.SARE.org](http://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.



# AGRICULTURE PROJECTS FUNDED IN LOUISIANA

by USDA's  
**Sustainable Agriculture Research and Education (SARE) Program**

Louisiana has been awarded \$1,640,227 grants to support 36 projects, including but not limited to, 9 research and/or education projects, 5 professional development projects and 8 producer-led projects. Louisiana has also received additional SARE support through multi-state projects.

## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
LS14-266	Breed types and cover crops provide alternatives for sustainable year-round supply of forage-fed beef for small farms in the Gulf Coast region: Research and on-farm demonstrations	\$171,988	Dr. Guillermo Scaglia LSU AgCenter
LS10-230	Improving fall vegetable crops and soils with summer cover crops	\$245,000	Dr. Carl Motsenbocker Louisiana State University Agricultural Center
LS09-221	Maximizing profitability, sustainability, and carbon sequestration of no-till forage systems for finishing beef cattle in the Gulf Coast region	\$136,000	Dr. Guillermo Scaglia LSU AgCenter
LS09-219	Development of agroforest systems for bioenergy crop production and ecosystem services in the lower Mississippi Alluvial Valley	\$180,000	Dr. Hal Liechty School of Forest Resources, University of Arkansas
LS05-180	Expanding the Marketing Opportunities for Minority and Limited Resource Farmers in Louisiana and Mississippi	\$15,000	Anna Kleiner Department of Sociology and Criminal Justice
LS05-179	Defining the feasibility and environmental impact of applying poultry litter to forests of the Western Gulf region	\$14,520	Michael Blazier Louisiana State University AgCenter
LS00-115	Establishing Sustainable Production and Information Exchange Systems for Limited Resource Farmers in Louisiana	\$167,525	Andrew W. Smiley BREADA
LS99-103	Pastured poultry and vegetable production: An integrated approach	\$89,800	James McNitt Southern University and A&M College
LS89-016	Development of a Low-Input Multiple Cropping System for Small-Scale Farms	\$100,000	Owusu Bandele Southern University, Louisiana

## PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE Support	Project Leaders
ES14-122	Sustainable Row Crop Irrigation Management in Louisiana	\$69,167	Dr. Stacia Davis LSU AgCenter

ES14-123	Training for Agricultural Professionals on Sustainable Agriculture Programs Available to Limited Resource Farmers and Ranchers	\$79,875	Kenneth McMillin Louisiana State University Agricultural Center
LST96-009	Management Intensive Grazing: Foundation of Sustainable Agriculture in the South	\$33,762	H. Alan DeRamus University of Southwest Louisiana
LST96-010	Sustainable Small-Scale Agricultural Development Training Project	\$25,701	Adell Brown Southern University
LST94-003	Management Intensive Grazing: Foundation of Sustainable Agriculture in the South (LST96-009)	\$63,461	H. Alan DeRamus University of Southwest Louisiana

#### FARMER/RANCHER GRANTS

Project #	Project Title	SARE Support	Project Leaders
FS21-336	Regenerative Organic Rice Weed Control	\$7,474	Brennon Sagrera Conscious Cajun Farms
FS20-321	Sustainable Sidedress Nitrogen Applications for Early Corn and Cotton Using Unmanned Aerial Systems	\$14,961	Nolan Parker Parker Farms Partnership
FS16-293	Dairy Goat Study: Sericea Lespedeza - A Cost Effective Way to Boost Milk Production	\$8,955	Tiffany Lockhart Farmer
FS14-282	Correlating Nitrogen Application Rates in Sugarcane With Low-Cost Normalized Difference Vegetation Index (NDVI)	\$9,198	Gerald McCollam Ellendale Farms LLC
FS11-251	Quality Calf Project	\$15,000	Edith Gross Louisiana Ranchers and Growers Association
FS08-222	Use of Crawfish and Crab Waste as an Organic Fertilizer and Protein Feed	\$10,000	Shane Carmichael
FS00-107	Use of Winter Cover Crops and Summer Soil Solarization in Sustainable Vegetable Production Systems	\$9,981	Owusu Bandele Food for Thought Farm
FS00-110	Impact of Louisiana Native Coastal Prairie Habitat on Beneficial Insect Populations	\$9,288	Terry Bordelon

#### GRADUATE STUDENT GRANTS

Project #	Project Title	SARE Support	Project Leaders
GS21-240	Evaluating the Impacts of Conservation Stewardship Plantings on Arthropod Communities in Louisiana Agroecosystems	\$16,008	Dr. Jeffrey Davis Louisiana State University Scott Lee Louisiana State University
GS19-200	Biological Control and Re-curing of Sweet Potato Roots as Alternatives for Managing Rhizopus Soft Rot	\$16,120	Christopher Clark LSU AgCenter Waana Kaluwasha Louisiana State University
GS18-194	Investigating the Role of Plant Tolerance as Defense Against Rice Water Weevil in Irrigated Drill-seeded Rice in Louisiana	\$16,471	Dr. Michael Stout Louisiana State University, Department of Entomology James Villegas Louisiana State University

GS16-158	Soil Health of a Warm-Season Perennial Pasture Over-seeded with Cool-Season Annuals	\$11,000	Dr.Lisa Fultz Louisiana State University Kathleen Bridges Louisiana State University
GS11-103	Effects of High Tunnels on Lettuce, Parsley and Cilantro in the Deep South	\$10,000	Dr.Carl Motsenbocker Louisiana State University Agricultural Center Robert Williams LSU
GS09-083	Effect of copper oxide wire particles compared to copper sulphate on Haemonchus contortus infection in lambs	\$10,000	Dr.James Miller Louisiana State University Javier Garza Louisiana State University
GS09-085	Evaluation of Simplicillium lanosoniveum as a Biological Control Agent	\$9,734	M. C. Aime Louisiana State University Agricultural Center Dr.Raymond Schneider Louisiana State University Agricultural Center Nicole Ward Louisiana State University Agricultural Center
GS08-071	Effect of sericea lespedeza leaf meal pellet supplementation on Haemonchus contortus infection in grazing ewes	\$10,000	Dr.James Miller Louisiana State University Dana Pollard Louisiana State University
GS07-059	Effect of a grazing sericea lespedeza as a treatment padock for controlling natural nematode infection in lambs	\$10,000	Dr.James Miller Louisiana State University Allyson Moscona Louisiana State University
GS05-047	Effect of a condensed tannin containing forage (sericea lespedeza), fed as pellets, on natural and experimental challenge nematode infection in lambs	\$10,000	Dr.James Miller Louisiana State University Leigh Ann Chafton Louisiana State University
GS02-015	Evaluation and Characterization of Reaction Products from Ozonated Aflatoxin Contaminated Corn	\$10,000	Joan King LSU Agricultural Center Alfredo Prudente LSU Agricultural Center

#### ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE Support	Project Leaders
OS14-085	Management Impact on Sustainability of Native Legume Component of Warm-season Grass Pastures	\$14,308	Dr.Montgomery Alison LSU AgCenter

#### SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE Support	Project Leaders
CS05-036	The Farmer as Entrepreneur	\$9,950	Mike Tarantino Iberia Industrial Development Foundation
CS04-022	Linking Small-Farm Agriculture to Community Development Efforts in Northern Louisiana	\$9,980	Elizabeth Higgins LA Tech University Center for Rural Development

**Total funding from the USDA SARE program to  
Louisiana  
\$1,640,227**



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