



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

# AGRICULTURE PROJECTS FUNDED IN SOUTH CAROLINA

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

South Carolina has been awarded \$2,751,009 grants to support 61 projects, including but not limited to, 9 research and/or education projects, 10 professional development projects and 17 producer-led projects. South Carolina has also received additional SARE support through multi-state projects.

## RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">LS19-306</a>	Utility of Anaerobic Soil Disinfestation and Organic Herbicides for Weed and Disease Management in Organic Solanaceous Vegetable Systems	\$293,470	Matthew Cutulle Clemson University, CREC
<a href="#">LS19-305</a>	Incorporating Natural, Non-toxic Arthropod Resistant Tomato Varieties into Southern Production Systems	\$299,963	Juang-Horng Chong Clemson University
<a href="#">LS16-273</a>	Improving Silvopasture Systems in the South: Identification of Suitable Forage Crops and Enhancement of Environmental Quality in Upland Forests	\$135,487	Dr. John Quinn Furman University
<a href="#">LS09-217</a>	Improvement of the safety of food handling practices on small farms	\$200,000	Dr. Paul Dawson Clemson University
<a href="#">LS06-188</a>	Expanding the grazing season for sustainable year-round forage-finished beef production	\$163,000	Susan Duckett Clemson University
<a href="#">LS04-213</a>	Development and Integration of Sustainable Agriculture Core Curriculum Training into the Southern Region Extension Education System	\$241,000	Dr. Geoff Zehnder Clemson University
<a href="#">LS03-155</a>	Creating a value chain system for local and regional farm products	\$19,310	Dr. Geoff Zehnder Clemson University
<a href="#">LS03-157</a>	Suppression of weeds and other pests in fresh market vegetables using wild radish cover crop	\$173,125	Jason Norsworthy Clemson University
<a href="#">LS93-054</a>	Evaluation of Low-Input, No-Till, No-Herbicide Continuous Grazing System for Dairy Cows	\$118,911	Jean Bertrand Clemson University

## PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">ES19-150</a>	Advanced Soil Health Training for South Carolina Agriculture Professionals	\$79,847	Dr. Geoff Zehnder Clemson University

<a href="#">ES17-137</a>	Wholesale Success: Building the capacity of farmers to meet demand for locally and sustainably grown produce	\$78,008	Dr.Geoff Zehnder Clemson University
<a href="#">ES13-117</a>	Training in Renewable Energy Systems for Small Farms to Reduce Energy Costs and Improve Profitability	\$78,128	Dr.Geoff Zehnder Clemson University
<a href="#">ES11-108</a>	Pollinator Conservation Short Course	\$92,066	Eric Mader The Xerces Society
<a href="#">ES10-106</a>	On-Farm Training in Organic Pest Management Practices for Small, Diversified Farms	\$83,775	Dr.Geoff Zehnder Clemson University
<a href="#">ES02-064</a>	Calhoun Fields Laboratory: A Program for Experiential Training in Organic Farming Systems	\$49,926	Dr.Geoff Zehnder Clemson University
<a href="#">ES01-057</a>	South Carolina Farm and Forest Land Conservation Training	\$25,428.40	Ben Boozer Clemson Institute for Economic & Community Develop
<a href="#">ES97-017</a>	Overcoming Training Obstacles: A Realistic Cost-Effective Approach	\$10,000	Charles Q. Artis South Carolina State University, Community and Economic Development
<a href="#">ES97-018</a>	The First Requirement of Agriculture Sustainability: Efficient Management of Available Resources	\$60,000	Charles Q. Artis South Carolina State University, Community and Economic Development
<a href="#">LST94-006</a>	Extending Sustainable Agriculture Concepts and Practices to Traditional Agricultural Advisors	\$11,700	Jim Palmer Clemson

#### FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">FS18-309</a>	Studying the Use of Copper to Raise Healthier Goats	\$10,000	Judy Langley
<a href="#">FS17-300</a>	Scaling Indigo Production in South Carolina	\$5,965	Kathy McCullough Farmer
<a href="#">FS16-288</a>	Modified Method for Roller-Crimper No Till System in the Southeast Coastal Plain	\$8,327	Mary Connor Three Sisters Farm
<a href="#">FS14-284</a>	Is freshwater fish compost as effective as saltwater fish compost on vegetable production?	\$10,000	Dale Snyder Sweetgrass Garden Co-op
<a href="#">FS13-276</a>	Shade cloth for fall bearing blackberry druplet abortion/malfunction problems in southeastern USA	\$6,458	Walker Miller The Happy Berry Bunch
<a href="#">FS11-255</a>	Cucumber Pollination with Bumblebees	\$8,530	David MacFawn Rawl Farms
<a href="#">FS11-257</a>	Is Fish Waste Compost worth the Mess	\$9,848	Dale Snyder

	and Effort?		Sweetgrass Garden Co-op
<a href="#">FS10-245</a>	Forage Chicory Use in Rotational Grazing of Sheep to Reduce Intestinal Worms, Reduce Grain Supplementation, And Maximize Growth	\$9,078	Kathy McCaskill Old McCaskill's Farm
<a href="#">FS10-247</a>	Using Buckwheat to Attract Beneficial Insects for Crop Protection	\$9,037	Daniel Parson Parson Produce
<a href="#">FS09-233</a>	Dual Season Organic Asparagus Production	\$9,995	Mary Connor Three Sisters Farm
<a href="#">FS04-184</a>	Edamame Variety Trials for the Local Fresh Market	\$4,777	Carolyn A. Prince
<a href="#">FS99-102</a>	Cattle Lane Construction Alternatives That Enhance Intensive Grazing Systems	\$9,850	Tom Trantham Trantham's Dairy Farm
<a href="#">FS98-079</a>	Demonstration of a Low-Input Diversified Small Farm Operation	\$9,200	Theodore Nesmith
<a href="#">FS98-070</a>	Red Plastic Mulch as an Alternative to Insecticides in Production of Seedless Watermelons	\$7,390	John Frazier
<a href="#">FS95-033</a>	Cover Crops in Integrated Vegetable Production Systems	\$9,285	Charles Wingard W.P. Rawl & Sons Farms
<a href="#">FS94-005</a>	Vegetable Marketing Strategies for a Small Farm Co-op	\$10,000	Curtis Inabinett Sea Island Farmers Co-op
<a href="#">FS94-016</a>	Clover Cover Crops, Weed Management and Consumer Tolerance to Insect Damage	\$4,710	Horace & Shaw Skipper The Berry Patch

#### GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#">GS18-192</a>	Cover Cropping to Improve Soil Moisture Content for the Following Cash Crop	\$16,496	Dr.Sruthi Narayanan Clemson University Ricardo St. Aime
<a href="#">GS17-174</a>	Optimizing Nutritional Management in Fruit Tree Production in Southern U.S.	\$16,441	Juan Carlos Melgar Clemson University Qi Zhou Clemson University
<a href="#">GS13-126</a>	Weeds, Nitrogen, and Yield: Measuring the Effectiveness of an Organic No-Till System	\$10,927	Dr.Geoff Zehnder Clemson University David Robb Clemson University
<a href="#">GS04-034</a>	Control of Soilborne Fungi with Biofumigation	\$10,000	Anthony Keinath Clemson University Samuel Njoroge Clemson University
<a href="#">GS04-041</a>	Preliminary Investigation for Application	\$10,000	Terry Walker

	of Supercritical Fluid Extraction Technology for Garlic Oil Extraction		Clemson University Meidui Dong Clemson University
<a href="#"><u>GS03-020</u></a>	The Assessment of Conservation and Traditional Tillage Systems on Weed Dynamics, Insect Abundance, and Northern Bobwhite Quail Life and Behavioral Patterns	\$10,000	William Bowerman Clemson University Derek Eggert Clemson University

#### ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#"><u>OS18-118</u></a>	Cover Cropping to Increase the Sustainability of Cropping Systems by Developing Soil Organic Matter, Improving Soil Health, and Suppressing Weed Growth	\$15,000	Dr.Sruthi Narayanan Clemson University
<a href="#"><u>OS17-109</u></a>	Identification of Factors Involved in Peach Skin Streaking	\$15,000	Guido Schnabel Clemson University
<a href="#"><u>OS16-093</u></a>	Increasing Sustainability of Peanut, Cotton, and Soybean Production Systems Through Innovative Interseeding Technology to Enhance Farm Profit and Reduce Pest Occurrence	\$14,990	Dan Anco Clemson University
<a href="#"><u>OS16-094</u></a>	Fruit Bagging as a Strategy to Reduce Reliance on Pesticides for the Production of Peaches in the Southeast	\$14,967	Juan Carlos Melgar Clemson University
<a href="#"><u>OS16-096</u></a>	Cover Crop Influence on Stored Soil Water Availability to Subsequent Crops	\$14,995	Dr.Sruthi Narayanan Clemson University
<a href="#"><u>OS16-100</u></a>	Getting to the Bottom of 'Bronzing', A Peach Skin Disorder Causing Severe Losses for Organic and Conventional Peach Growers	\$15,000	Guido Schnabel Clemson University
<a href="#"><u>OS07-035</u></a>	On-Farm Use of a Hybrid Vetch Cover Crop to Reduce Fusarium Wilt in Seedless Watermelon	\$9,900	Anthony Keinath Clemson University
<a href="#"><u>OS03-010</u></a>	Poultry Litter Research Project	\$12,600	David Gunter Clemson Extension Service
<a href="#"><u>OS03-013</u></a>	Growing Organic Fruits and Vegetables for Local Farmer's Markets	\$9,925	York Glover

#### SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#"><u>CS12-087</u></a>	Fighting Obesity in Schools By Changing Eating Habits of Students	\$10,000	Robert Behr Ashley Ridge High School
<a href="#"><u>CS10-078</u></a>	GrowFood Carolina	\$10,000	Lisa Turansky South Carolina Coastal Conservation League
<a href="#"><u>CS08-064</u></a>	Growing the Manning Farmer's Market	\$5,050	Rebecca Rhodes

<a href="#"><u>CS08-065</u></a>	Marshview Community Organic Farms – Young Farmers of the Lowcountry	\$9,700	Sara Reynolds Marshview Community Organic Farm
<a href="#"><u>CS07-059</u></a>	Chicora Farmers Market	\$6,300	Amanda Crump Metanoia CDC
<a href="#"><u>CS07-058</u></a>	Farmers Market Support Activities	\$2,570	Grady Sampson

#### PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
<a href="#"><u>SSC19-001</u></a>	2019 Model State Program	\$22,222	Dr.Geoff Zehnder Clemson University Dr.Edoe Agbodjan South Carolina State University
<a href="#"><u>SSC18-001</u></a>	SSC18-001	\$55,555	Dr.Geoff Zehnder Clemson University
<a href="#"><u>SSC17-001</u></a>	SSC17-001 Model State Program	\$55,555	Dr.Geoff Zehnder Clemson University Dr.Edoe Agbodjan South Carolina State University
<a href="#"><u>SSC16-001</u></a>	2016-2017 Model State Program Clemson University	\$22,222	Dr.Geoff Zehnder Clemson University

---

**Total funding from the USDA SARE program to  
South Carolina  
\$2,751,009**

---



For further information on projects, contact Candace Pollock, Southern SARE public relations coordinator, at (770) 412-4786 or [cpollock@uga.edu](mailto:cpollock@uga.edu).

Sustainable Agriculture Research and Education (SARE) is funded by USDA's National Institute of Food and Agriculture (NIFA).