AGRICULTURE PROJECTS FUNDED IN FLORIDA

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2018

Florida has been awarded $5,195,084 grants to support 134 projects, including but not limited to, 26 research and/or education projects, 9 professional development projects and 22 producer-led projects. Florida has also received additional SARE support through multi-state projects.

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RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
LS18-302	Educational Materials for Cover Crop Adoption and Use in the Subtropics and Tropics	$46,999	Dr.Danielle Treadwell University of Florida
LS18-291	Managing Plant-parasitic Nematodes and Promoting Beneficial Soil Organisms Through Sod-based Crop Rotation	$198,669	Zane Grabau University of Florida
LS18-297	Shade and Ground Cover Growing Systems for Tea Production in Florida	$200,000	Brantlee Richter University of Florida
LS16-270	Cover Crop Diversity through Evaluation and Increase from Breeder Stocks and Germplasm Repositories	$201,249	Dr.Carlene Chase University of Florida
LS11-244	Taking advantage of pest thrips ecology to increase sustainability of vegetable crop production	$235,000	Dr.Stuart Reitz USDA-ARS Dr.Stephen Hight USDA-ARS
LS10-228	Educating and Training Future Farmers, Researchers and Extension Personnel in Sustainable Agriculture	$245,000	Rosalie Koenig University of Florida
LS10-233	Integrated Use of Grafting Technology to Improve Disease Resistance and Fruit Yield in Specialty Melon Production	$223,000	Dr.Xin Zhao University of Florida
LS10-235	Preparing Small Scale Limited Resource Vegetable Farmers for Organic Farming in North Florida	$15,000	Dr.Odemari Mbuya Florida A&M University
LS09-216	Improving the quality of life for Southern organic farmers and farm workers	$190,000	Leah Cohen Florida Organic Growers

LS08-205	Selecting a sunn hemp cover crop genotype for weed suppression and seed production	$170,000	Dr.Carlene Chase University of Florida
LS07-199	Integrating plant essential oils and kaolin for the sustainable management of thrips and tomato spotted wilt on tomato	$185,000	Dr.Stuart Reitz USDA-ARS
LS06-187	Silicon soil amendments for enhancing disease resistance while improving overall crop health for cucurbits in organic farming systems	$180,000	Dr.Robert McGovern UF-IFAS Amanda Gevens University of Florida
LS06-192	Biorational approaches for management of bacterial wilt and bacterial spot on tomato	$150,000	Dr.Jeffrey Jones University of Florida
LS05-170	Integrated Management of Purple and Yellow Nutsedge in Organic Vegetable Production	$125,000	Dr.Carlene Chase University of Florida
LS04-168	Development of Florida Native Plants as Farmscaping Cover Crops and Value-added Crops for Limited-Resource Farmers in Central Florida	$15,000	Robert Kluson Florida Native Solutions, Inc.
LS03-148	Development of sustainable vegetable production systems for south Florida and Virginia based on use of cover crops and precision irrigation	$179,776	Waldemar Klassen Tropical Research and Education Center
LS02-136	Enhancing the Economic and Environmental Competitiveness of Small Farms Through Agroforestry	$189,600	Shibu Jose University of Florida
LS02-140	A System Approach for Improved Integration of Green Manure in Commercial Vegetable Production Systems	$171,800	Johannes Scholberg Agronomy Department, University of Florida
LS00-118	Management of Small Rural Holdings as Economic and Ecological Units	$21,406	David Zimet North Florida Research and Extension Center Inst.
LS99-101	Developing Effective Methods to Assess the Impact of Community Food Security Programs on Purchases of Local Farm Produce in Three Southern Communities	$20,000	Ellen Huntley Florida Organic Growers
LS98-090	An Integrated System of Organic Food Production and Urban Food Waste Recycling Using On-Farm Anaerobic Digestion and Fertigation	$142,623	Anne Barkdoll Full Circle Solutions, Inc.
AS95-019	Biological Control Methods for Citrus Rust Mites and Spider Mites on Florida Citrus Utilizing Predaceous Arthropods as Part of IPM	$75,000	Carl C. Childers IFAS Citrus Research
LS92-046	Development of Cropping Systems for Nematode Management on Agronomic and Horticultural Crops	$155,000	D.W. Dickson University of Florida R. McSorley Dept. of Entomology & Nematology, U of Florida Rodrigo Rodriguez-Kabana Auburn University, Plant Pathology

LS91-031	Biological Control and its Economics in the Southern United States	$49,970	J. Howard Frank University of Florida, Entomology and Nematology
LS91-042	Intensive Short Course on Grant Preparation for Future Applicants to the LISA Competitive Grants Program	$39,000	Carl Barfield University of Florida
LS90-021	An Educational Program in Low-input Sustainable Agriculture Production Technology and Philosophy	$18,000	Stephen A. Ford University of Florida

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ES09-097	Moving nursery producers toward sustainable production practices	$76,237	Gary Knox University of Florida
ES03-067	What Service Providers Must Know About Organic Rules and Regulations	$133,762	Rosalie Koenig University of Florida
ES01-054	Growing with the Community: A Hands-on Training Design for Agricultural Educators, Farmers and Community Leaders	$49,735	Ellen Huntley Florida Organic Growers
ES01-055	Delivery of Biological Control Information and Technology in Florida	$49,919	James Cuda University of Florida
ES01-056	Training in production and utilization of composted waste materials in warm, humid climates to improve soils for horticultural cropping systems	$47,896	Monica Ozores-Hampton University of Florida/SWFREC
ES97-030	Integrated Production of Sustainable Crops for Small Farmers in North Florida	$8,375	Gary Knox University of Florida
ES97-036	Sustainable Agriculture Training Initiative for Texas	$70,136	Nancy Roe Farming Systems Research Inc.
LST96-012	Facilitating Farmer to Farmer Networks: An Experimental Approach	$80,997	Dr.Marilyn Swisher University of Florida
LST94-007	Evaluating Sustainability: Gaining Insights	$56,269	Dr.Marilyn Swisher University of Florida

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FS10-248	Florida Meat Goat Study	$9,996	Rita Pruette Granny Smith Farms
FS06-209	Developing Model CSA Software for Multi-cropping and Harvesting	$9,800	Margaret Pikarsky Bee Heaven Farm
FS03-176	Developing Guidelines for Farmers to	$14,000	Sharon Yeago

	Market Directly to Consumers at Community Farmers' Markets		Alachua County Farmers' Market, Inc.
FS02-149	Ultraviolet Light absorbing films and nets for insect and disease control in an organic greenhouse	$8,010	Jim Gibbons
FS01-129	Development of Multi-Herd Management software for small farmers	$9,949	Dee Blaha
FS01-135	Soil Fertility improvement in Fruit Orchards by Windrowing Urban Plant Debris and Poultry Litter	$8,644	William Graves, IV Tetley Groves, Inc.
FS01-138	Developing a model to increase support for organic farming research at Land Grant Institutions	$14,999	Marty Mesh FL Certified Organic Growers and Consumers, (FOG)
FS01-139	Composted Yard Waste as a Replacement for Pine Bark Mulch in Blueberry Production	$9,800	Richard Nogaj Harvest for Humanity
FS01-140	Using companion plants to increase biological control for thrips in pepper crops	$9,300	Chuck Obern
FS00-121	Marketing to the Department of Defense Food Service	$15,000	Glyen Holmes New North Florida Coop
FS00-125	Does Compost Use Affect Post-Harvest Quality of Vegetables?	$9,960	Nancy Roe Farming Systems Research Inc.
FS00-127	Alternative Production Methods for Increasing Sustainability of North Florida Strawberry Producers	$9,964	Larry Gillard South Georgia Farmers Co-op
FS00-112	Practical Evaluation of Vermicompost on Horticultural Crops	$9,820	Cynthia L. Connolly
FS99-089	Developing a Model for Successful Direct Marketing in Southern Communities	$7,020	Trace Giornelli
FS99-093	Alternative Parasite Control Methods for Goat Producers: A Comparative Analysis	$5,960	Charles Johnson C&M Farms
FS99-094	Developing an Organically Approved Soil Mix for Use in Vegetable Transplant Production	$7,660	Rosalie Koenig University of Florida
FS98-067	Feasibility of Indoor Culture and Production of Ornamental Goldfish	$2,216	Robert Draughon
FS97-057	Effect of Limited Environmental Controls on Shiitake Mushroom Production in the Southern Coastal Plain	$9,990	Charles McRae
FS95-025	Development of Potting Soil Mixes from Local Wastes	$9,600	Steve Garrison Almond Tree Nursery

FS95-026	Testing the Efficacy of Alternative Methods of Whitefly Control in Organic Vegetable Production	$5,200	Rosalie Koenig University of Florida
FS95-030	Management of Artificial and Restored Wetlands to Improve Water Quality	$10,000	A. Glenn Simpson Big Island Grove
FS94-019	Biological Control of Flower Thrips in Pepper Fields	$9,950	Ted & Trudy Winsberg Green Cay Farms

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GS18-184	Evaluation of Biopesticides to Manage Silverleaf Whitefly (Hemiptera: Aleyrodidae) in Tomatoes in Florida	$16,500	Muhammad Haseeb Jermaine Perier
GS18-190	Innovations in Spotted Wing Drosophila (Drosophila suzukii Matsumura) Monitoring and Attract-and-Kill for Development of More Targeted IPM Programs	$16,334	Dr.Oscar Liburd University of Florida Gabrielle LaTora
GS18-181	Integrated Weed Management for Long-Term Nutsedge Control and Its Economic Impact in Florida Vegetable Production	$15,361	Peter Dittmar Ranjeet Randhawa
GS18-191	Developing Attract and Reward Strategy to Control Thrips and Whiteflies in Florida Tomato	$10,316	Xavier Martini University of Florida Iris Strzyzewski
GS18-195	Elucidating the Effects of Organic vs. Conventional Cropping Practice and Rhizobia Inoculation on Peanut Yield and Rhizosphere Microbial Diversity	$16,496	Dr.Jianping Wang University of Florida Dev Paudel
GS17-171	Development of an Integrated Pest and Disease Management Program Utilizing Companion Plants and Inundative Biological Control for Organic Squash Production	$16,245	Dr.Oscar Liburd University of Florida Lorena Lopez University of Florida
GS17-172	Effects of Herbivore-Induced Plant Volatiles in Various Maturity Stages of Pepper on the Attractiveness of Orius insidiosus	$9,787	Xavier Martini University of Florida Edward Traczyk University of Florida
GS17-173	Genetic Markers for Resistance to Gastrointestinal Nematode Infections for a Sustainable Florida Native Sheep Production	$16,500	Raluca Mateescu University of Florida Zaira Magdalena Estrada Reyes University of Florida
GS17-178	Overcoming Microclimate Challenges to Improve Organic Spinach Production in Florida	$16,495	Dr.Xin Zhao University of Florida Craig Frey University of Florida
GS17-169	Identifying Marketing Opportunities Under the New Organic Transitional Certification Program	$16,492	Zhifeng Gao University of Florida Xuqi Chen University of Florida
GS17-170	Companion Planting of Native Insectary Plants to Benefit Crop Plants: The	$10,332	Dr.Suzanne Koptur Florida International University

	promotion of beneficial insects in agricultural communities via trophic resource enhancement		Andrea Salas Florida International University
GS15-141	Creating successful Farm to School Programs in Florida: A County-wide Feasibility Study of Direct, Local Procurement	$11,000	Ray Bucklin University of Florida Dr.Jonathan Watson University of Florida
GS15-145	Sustainable Management Strategies for Management of Key Insect and Nematode Pests in Squash Cropping Systems	$10,121	Dr.Oscar Liburd University of Florida Lorena Lopez University of Florida
GS15-146	Investigating New Management Approaches for Picture-Winged Flies in Sweet Corn	$7,432	Dr.Gregg Nuessly University of Florida/IFAS/EREC David Owens Everglades Research and Education Center, University of Florida
GS15-149	Natural essential oil compounds with heat treatment to control stem-end rot on grapefruit during postharvest handling and marketing	$10,948	Dr.Mark Ritenour University of Florida Jiaqi Yan University of Florida
GS15-151	Legume Proportion of Grass-Legume Mixtures Affects Greenhouse Gas Emissions from Animals Grazing Pasture	$11,000	Dr.Lynn Sollenberger University of Florida Dr.Jose Dubeux, Jr. University of Florida - NFREC Marta Kohmann University of Florida
GS14-129	Potential use of seeded peanuts as warm-season legumes in the U.S. southern Coastal Plains	$10,687	Dr.Jose Dubeux, Jr. University of Florida - NFREC Edwin Mozley
GS14-134	Effect of Nematode Suppression Using Cover Crops Resistant to Nematodes on Peanut Production	$10,429	Dr.Patricio Munoz University of Florida Lin Xing University of Florida
GS14-137	Impacts of land use intensification on soil organic carbon stocks, soil carbon fractions and microbial activities in subtropical grazing land ecosystems	$10,982	Dr.Maria Silveira University of Florida Sutie Xu
GS13-119	Nitrogen dynamics of cover crops with sorghum for increased sustainability	$10,997	Dr.John Erickson University of Florida Jeffrey Fedenko University of Florida
GS12-114	Developing an integrated pest management program for a newly introduced pest in Florida blueberries: the spotted wing drosophila, Drosophila suzukii	$10,837	Dr.Oscar Liburd University of Florida Lindsy Iglesias University of Florida
GS12-117	Assessment of long-term management impact on soil C dynamics in subtropical grasslands	$10,879	Dr.Maria Silveira University of Florida Julius Adewopo University of Florida
GS11-101	Understanding olfactory cues in host location and dispersal range of the filth fly parasitoid Spalangia cameroni (Hymenoptera:Pteromalidae) to improve the use as sustainable biological control agents for fly control on livestock operations	$9,828	Dr.Norman Leppla University of Florida Erika Machtinger University of Florida

GS11-105	Strategies for Increasing Rhizoma Peanut Contribution to Productivity and Ecosystem Services of Low-Input Pasture Systems	$9,978	Kimberly Cline Mullenix Auburn University Dr.Lynn Sollenberger University of Florida
GS11-100	Efficacy of Entomopathogenic Fungi in Controlling the Small Hive Beetle; a Destructive and Invasive Pest of Honey Bee Colonies	$9,996	Lambert Kanga Florida A&M University Saundra Wheeler Penn State University
GS10-092	Do Human-modified Landscapes Affect Solitary Bee Diversity, Foraging, and Reproduction in Northern Florida?	$10,000	Dr.Katie Sieving Wildlife Ecology / UF Rosalyn Johnson University of Florida
GS10-093	Improving nutrient retention with biochar	$9,852	Dr.Danielle Treadwell University of Florida Seth Friedman Univ of Florida
GS10-096	Integrated Use of Grafting Technology to Improve Disease Resistance, Yield and Fruit Quality in Organic Heirloom Tomato Production	$10,000	Charles Barrett University of Florida
GS10-097	Enhancing nitrogen and water use efficiency in tomato production by using grafting technique	$10,000	Dr.Xin Zhao University of Florida Desire Djidonou Horticultural Science Uvi Florida
GS09-082	The Smells and Sounds of a Subterranean Sessid: Mating disruption and acoustic detection of grape root borer	$9,434	Dr.Oscar Liburd University of Florida William Sanders University of Florida
GS09-087	Bioenergy and Biofertilizer for Small-Farm Enterprises	$10,000	Dr.Ann C. Wilkie University of Florida-IFAS Ryan E. Graunke University of Florida-IFAS
GS08-075	Comprehensive evaluation of windbreaks of fast-growing trees	$9,191	Donald L Rockwood University of Florida Bijay Tamang University of Florida
GS07-057	Optimizing buckwheat use as a weed suppressive cover crop for sustainable cropping systems in Florida	$10,000	Dr.Carlene Chase University of Florida Pei-wen Huang University of Florida
GS07-063	Reducing nutrient loss below the root zone of drip-irrigated vegetables using low-pressure, increased irrigation time	$9,966	Bee Ling Poh University of Florida Eric Simonne University of Florida
GS06-053	Are bluebirds good for farms, and are farms good for bluebirds?	$10,000	Dr.Katie Sieving Wildlife Ecology / UF John Deluca Dept. of Wildlife Ecology and Conservation, UF
GS05-045	Development of an IPM Program for Control of Flower-Thrips in Blueberries in Southeastern United States	$9,914	Dr.Oscar Liburd University of Florida Hector Arevalo University of Florida
GS04-039	Potential for nitrate-nitrogen leaching in a silvopastoral system compared with open pasture and loblolly pine plantation	$9,998	Ann Blount Susan Bambo University of Florida
GS02-013	Developing a System to Produce	$9,500	Daniel Cantliffe

	Organic Plug Transplants for Organic Strawberry Production		University of Florida Ashwin Paranjpe University of Florida
GS02-018	Analysis of a Biological Control Strategy and its Potential in a Pest Management Program in Florida Cabbage	$10,000	Dr.Stuart Reitz USDA-ARS Nathan Herrick USDA-ARS-CMAVE
GS02-019	Chemical Ecology of Microtheca ochroloma	$3,057	Susan Webb University of Florida Mickie Swisher University of Florida Kristen Bowers
GS01-009	Competition for Nitrogen and Groundwater Nitrate Levels in Temperate Alley Cropping Systems	$10,000	Shibu Jose University of Florida Samuel Allen University of Florida
GS00-001	Induction of Volatile Emissions from Peanut Plants in Response to Fungal and Insect Damage	$10,000	James Tumlinson Insect Attractants Unit Yasmin Cardoza Department of Entomology and Nematology
GS00-005	Investigating the potential use of Trichogramma, a hymenopteran egg parasitoid, in the integrated management of lepidopteran pests of cabbage in Puerto Rico	$10,000	Richard Pluke University of Florida Richard Pluke University of Florida

ON FARM RESEARCH/PARTNERSHIP GRANTS

Project #	Project Title	SARE support	Project Leaders
OS18-114	Assisting Vegetable Growers in Florida with Soil Health Evaluation Associated with Cover Cropping/Green Manure Practice During Summer	$15,000	Jehangir Bhadha University of Florida, Institute of Food and Agricultural Sciences Everglades Research and Education Center
OS18-113	Trap Assisted Scouting for Asian Cockroach Management in Florida	$14,782	Julien Beuzelin University of Florida, Institute of Food and Agricultural Sciences Everglades Research and Education Center
OS17-106	Developing Sustainable and New Alternative Non-chemical Weed Control Strategies for Container Nursery Growers	$15,000	Stephen Christopher Marble University of Florida/Institute of Food and Agricultural Sciences
OS17-110	Farmers' Evaluation of Cover Crop Effects on Sandy Soils in the Suwannee River Basin in North Florida	$14,744	Kevin Athearn University of Florida
OS17-104	Evaluating the Effect of Biological Control and Planting Mixed Varieties to Manage Whitefly and Aphid Pests in Organic Squash	$14,821	Dr.Oscar Liburd University of Florida
OS16-098	Using Flowering Plants on Strawberry Field Edges to Enhance Natural Enemies and Pollinators and Improve Pest Control and Fruit Quality	$14,996	Justin Renkema University of Florida
OS14-086	Use of non-native invasive tree logs for commercial mushroom production on small farms	$14,984	Dr.Stephen Hight USDA-ARS
OS13-078	Novel approaches to establish rhizome peanut (Arachis glabrata Benth) on	$14,945	Dr.Jose Dubeux, Jr. University of Florida - NFREC

	bahiagrass (Paspalum notatum Flugge) pasture: from research to on-farm application		
OS13-079	Establishing and Evaluating Selected Cover Crops on Small Farms to Increase the Impact of Beneficial Arthropods on Crop Pests	$14,984	Robert Hochmuth University of Florida
OS13-082	Propagation of edible Pecan Truffle (Tuber lyonii) in pecan nurseries	$14,978	Dr.Matthew Smith University of Florida
OS13-083	Grafting heirloom tomatoes for organic high tunnel production to improve season extension, disease control, and fruit yield: A partnership with local growers for technology transfer	$14,999	Dr.Xin Zhao University of Florida
OS13-075	Large Scale Recycling of Used Potting Media with Solarization	$3,161	Shawn Steed UF/IFAS Extension
OS12-063	Offseason Management for Organic High Tunnels for Improved Pest Suppression and Soil Health	$14,967	Dr.Carlene Chase University of Florida
OS11-060	Investigating various tactics of intercropping buckwheat with squash to increase natural enemy populations, reduce pest and disease pressure and increase yield	$14,978	Dr.Oscar Liburd University of Florida
OS10-054	Evaluating compost and lime effects on soil organic matter, soil microbial communities and the control of Fusarium wilt in commercial tomato grown in Florida's sandy soils	$14,955	Amy Shober University of Florida
OS10-056	Improving Cover Crop Management in Florida Row, Vegetable and Organic Citrus Systems	$14,940	Dr.Danielle Treadwell University of Florida
OS08-043	Monitoring Nutrient Availability and Leaching Below the Root Zone in Organic Vegetable Production	$14,900	Dr.Danielle Treadwell University of Florida Bee Ling Poh University of Florida Eric Simonne University of Florida
OS06-029	Development and implementation of a trap cropping system to suppress stink bugs in the southern Coastal Plain	$15,000	Russell Mizell NFREC-Quincy, University of Florida
OS05-026	Optimization of Irrigation Practices in Organic and Sustainable Vegetable Production with Soluble Dye as an Educational Tool	$14,663	Eric Simonne University of Florida
OS04-022	A Low Cost Trapping System for Control of the Small Hive Beetle Aethina Tumida Murray, A Pest of Honey Bee Colonies	$15,000	Peter Teal USDA-ARS/CMAVE
OS03-015	Performance of Various Forage Combinations Under Thinned Pine Canopies in North Florida	$14,982	Ann Blount
OS03-017	Soil Water Movement in Vegetables	$14,096	Eric Simmone

	Grown with Plasticulture		Univ. of Florida IFAS

SUSTAINABLE COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
CS15-094	Who's Connected? Sustainable Producers in the North Central Florida Food System	$34,665	Dr.Kathryn Stofer University of Florida
CS09-072	Wildwood Growers' Market – Starting a Local Food System	$7,910	Susan Kelly UF/IFAS Sumter Co. Extension
CS06-044	Florida Farm Link – Building the Foundation of a Sustainable Community Food System by Connecting Sustainable Agriculture to Economic Development Initiatives	$9,521	Laura Morton NRCS/Florida West Coast RC&D
CS04-023	Youth as Community Organizers	$10,000	Ellen Huntley Florida Organic Growers
CS04-028	Farming and Conservation Easements: A Win-Win Partnership	$10,000	Mark Hostetler University of Florida
CS03-010	"Santa Rosa Fresh" Marketing Assistance	$10,000	Paula Davis Santa Rosa County Joan Hughes TEAM Santa Rosa EDC
CS02-008	Test Marketing of New Label in Southwest Florida for USA Grown/Living Wage Produce	$5,200	Richard Nogaj Harvest for Humanity

MATCHING GRANTS PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
MS09-005	Florida Planning Grant: Matching Grant	$15,000	Kelly Monaghan University of Florida

PDP STATE PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
SFL17-002	SFL17-002 Model State Program	$11,111	Dr.Cassel Gardner Florida A&M University Dr.Marilyn Swisher University of Florida
SFL17-001	SFL17-001 2017-2018 Model State Program	$44,441	Dr.Marilyn Swisher University of Florida Dr.Cassel Gardner Florida A&M University
SFL16-002	2016-2017 Model State Program Florida A&M University	$11,111	Dr.Cassel Gardner Florida A&M University
SFL16-001	2016-2017 Model State Program University of Florida	$11,110	Dr.Marilyn Swisher University of Florida

Total funding from the USDA SARE program to Florida
$5,195,084

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

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