



Sustainable Agriculture
Research & Education

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AGRICULTURE PROJECTS FUNDED IN TEXAS

by USDA's
Sustainable Agriculture Research and Education (SARE) Program
1988-2016

Texas has been awarded \$4,898,432 to support 81 projects, including but not limited to, 27 research and/or education projects, 3 professional development projects and 22 producer-led projects. Texas has also received additional SARE support through multi-state projects.

State Sustainable Agriculture Coordinator(s):

Diane E. Boellstorff
Texas AgriLife Extension Service
dboellstorff@ag.tamu.edu
(979) 458-3562

Nelson Daniels
Prairie View A&M University
ndaniels@ag.tamu.edu
(936) 261-5112

RESEARCH AND EDUCATION GRANTS

Project #	Project Title	SARE support	Project Leaders
LS16-275	Evaluating Organic Pest Control Products for Strawberries in Combination with High and Low Tunnels for Limited Resource Farmers in the Mid-South	\$246,413	Russell Wallace Texas A&M University AgriLife Extension
LS16-271	Intensifying Cropping Systems in Semi-Arid Environments to Enhance Soil Health and Profitability	\$232,827	Paul DeLaune Texas A&M AgriLife Research / Soil and Crop Sciences
LS14-264	Beyond Fresh: Expanding Markets for Sustainable Value-added Food Products in Texas	\$220,000	Mike Morris National Center for Appropriate Technology
LS14-261	Long-term AgroEcosystems Research and Adoption in the Texas Southern High Plains - Phase II	\$300,000	Dr. Charles West Texas Tech University
LS12-249	Improving Soil Quality to Increase Yield and Reduce Diseases in Organic Rice Production	\$225,000	Fugen Dou Texas A&M AgriLife Research
LS11-238	Long-term AgroEcosystems Research and Adoption in the Texas Southern High Plains - Phase I	\$329,999	Dr. Charles West Texas Tech University Philip Brown Texas Tech University
LS10-229	Integrated Crop and Livestock Systems for Enhanced Soil Carbon Sequestration and Microbial Diversity in the Semiarid Texas High Plains	\$160,000	Dr. Jennifer Moore-Kucera Texas Tech University
LS10-236	Traceability in Specialty Crop Production and Supply Chains: Distilling a Research and Extension Agenda	\$33,000	Kathryn Boys Virginia Tech
LS08-202	Crop-livestock Systems for Sustainable High Plains Agriculture	\$200,000	Dr. Vivien Allen Texas Tech University

LS08-208	Marketing of locally produced sustainable animal fiber products	\$140,000	John Bernard University of Delaware Hikaru Hanawa Peterson Kansas State University Gwendolyn Hustvedt Texas State University
LS07-201	Pigeon pea: a multipurpose, drought resistant forage, grain and vegetable crop for sustainable southern farms	\$200,000	Dr. John Sloan Texas AgriLife Research
LS05-214	SARE Research and Education Program Impacts and Diffusion	\$31,526	Murari Suvedi CARRS Center for Evaluative Studies
LS05-175	Sustainable and profitable control of invasive plant species by small ruminants	\$178,000	Dr. James Muir
LS03-144	Expanding the Marketing Opportunities for Organic Growers in Texas	\$19,924	Douglas Constance Sam Houston State University
LS03-150	Sustainable and profitable control of invasive species by browsing goats on small farms	\$14,199	Dr. James Muir
LS02-131	Forage and Livestock Systems for Sustainable High Plains Agriculture	\$251,805	Dr. Vivien Allen Texas Tech University
LS00-117	System for value-added export of manure nitrogen and phosphorus through turfgrass sod	\$149,726	Donald Vietor, PhD Texas A&M University, Soil & Crop Sciences
LS99-108	System for Conserving and Adding Value to Manure Sources of Nutrients in Turf-grass Sod	\$16,854	Donald Vietor, PhD Texas A&M University, Soil & Crop Sciences
LS99-100	Systems for sustainability of alfalfa production on acid, Coastal Plain soils using various harvesting strategies	\$149,750	Vincent Haby Texas Agricultural Experiment Station
LS98-097	Introducing Alternative Crops Into Traditional Cotton-Grain Farming to Aid Transition To "Freedom to Farm" Agriculture	\$114,279	Roland E. Roberts Texas A&M University Research and Extension Center
LS97-082	Sustainable Crop/Livestock Systems in the Texas High Plains	\$222,125	Dr. Vivien Allen Texas Tech University
LS95-069	Managing Soil Phosphorous Accumulation From Poultry Litter Application Through Vegetable/Legume Rotations	\$135,000	D. R. Earhart Texas Agricultural Experiment Station
LS92-048	Developing Environmentally Sound Poultry Litter Management Practices for Sustainable Cropping Systems	\$140,000	D. R. Earhart Texas Agricultural Experiment Station
LS92-047	Farm Scale Evaluation of Alternative Cotton Production Systems	\$60,000	William M. Lyle Texas Agricultural Experiment Station

LS89-015	Enhancement of the Stability of Southern Region Agroecosystems Through Profitable Transition to Sustainable Agriculture	\$121,989	Keith Jones Texas Department of Agriculture
LS88-010	Solarization and Living Mulch to Optimize Low-Input Production Systems for Small Fruits (88-87-4)	\$80,000	Charles Long Texas A & M University
LS88-002	Whole-farm Low/Reduced Input Farming Systems and Educational Program	\$90,000	Hoover Carden Prairie View A & M University

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

Project #	Project Title	SARE support	Project Leaders
ES13-120	Farming for the Future: Adopting Sustainable Agriculture Practices	\$55,904	Dr.Megan Clayton Texas A&M AgriLife Extension Service
ES99-045	Achieving Rangeland Sustainability Through Total Resource Management	\$157,061	William Fox, Ph.D. Texas Cooperative Extension C. Wayne Hanselka, Ph.D. Texas Cooperative Extension
LST94-002	Environmentally and Economically Sustainable Use of Rangeland	\$72,570	James F. Cadenhead Texas A & M Research and Extension

FARMER/RANCHER GRANTS

Project #	Project Title	SARE support	Project Leaders
FS14-281	Organic Cultivation Methods for Asparagus as an Alternative Crop in South Texas	\$14,736	Gilbert Garza Texas/Mexico Border Coalition CBO
FS13-277	Evaluating switchgrass in marginal land as a beneficial insect habitat and as compost source for vegetable production	\$8,379	Cynthia Remsing Lynn Remsing
FS12-262	Development of an innovative forage crop system for pasture raised swine	\$8,303	Ron Luce Poppa Skinny's Farm
FS10-246	Low Cost Geothermal Greenhouse Heating System for Southern Climates	\$9,999	Tanya Miller Millican Farms, LLC
FS07-219	Treating Soil Compaction Using Woven Weed Fabric	\$9,886	Roy Riddle
FS06-205	Cover Crop Optimization for Sustainable Forage Systems on a Southern Dairy Farm	\$9,872	Neil R. Miller World Hunger Relief, Inc.
FS06-198	Evaluation of Mulches for Organic Cantaloupe Production in Semi-Arid Regions	\$9,855	John Chandler
FS05-190	Addressing Cedar Infestations - Using Animal Impact to Increase Forage Production and Improve Soil Health	\$14,987	Peggy Cole Jones Holistic Resource Management of Texas, Inc
FS05-196	Weed Control for Row Crops Using	\$7,399	Michael E. Tolbert

	Corrugating Linerboard/Medium Paper		The Landowners Association of Texas– Tyler Chapter
FS03-174	Goat Range-Nutrition Performance Test	\$13,113	Marvin F. Shurley Meat Goat Association
FS03-161	Sustainable Pastured Layer Research Project	\$14,992	Graciela Alvarado Texas/Mexico Border Coalition Community Based Org.
FS02-151	Increase Soil Organic Matter in Citrus Soils	\$8,112	Jim Hoffmann
FS01-142	Pepitas de Ajo: permanent ground cover in garlic production	\$14,132	Lydia Villanueva Comm. Approaching Sustainability w/ Agroecology
FS99-090	Crop Rotation and Rotational Grazing Study	\$9,876	Ken Graff
FS99-088	Internal Parasite Resistance Selection Method for Sheep	\$4,844	Ray Cloudt
FS98-075	An Intensive Marketing Workshop for Growers and Ranchers	\$7,561	Sue Johnson Texas Organic Growers Association
FS97-053	Cool Season and Warm Season Grasses to Stabilize Erodible Soils and Increase Profitability	\$10,000	David Kearney Wichita County Field Crops Committee
FS97-050	Effects of Conservation Tillage on Water Quality in Southern Texas	\$8,000	Charles Eubanks Cameron County Field
FS96-036	Native Warm Season Grasses As Alternative Hay Source to Annual Sorghum/Sudan Grasses on Family-Operated Goat Dairy	\$9,640	Lee B. Dexter White Egret Farm
FS95-021	Pecan IPM Using Black-Eyed Peas as a Trap Crop	\$4,000	Kyle Brooksheir
FS94-001	Controlling Aphids with Harmonia Lady Beetle in Pecan Orchards	\$4,600	Cindy Wise Texas Pecan Growers Assoc.
FS94-010	Site Specific Applications of Seed/Fertilizer/Chemicals	\$10,000	Ricky & Becky Meinen

GRADUATE STUDENT GRANTS

Project #	Project Title	SARE support	Project Leaders
GS16-160	Agroecological methods to manage brassica pests on organic farms	\$11,000	Dr.Alexis Racelis University of Texas - Rio Grande Valley
GS16-161	Examining the role of bats in pest management in agroecosystems of	\$10,223	Dr.Alexis Racelis University of Texas - Rio Grande Valley

south Texas

GS15-152	Evaluation of winter annual cover crops under multiple residue managements: Impacts on land management, soil water depletion, and cash crop productivity.	\$9,383	Dr.Charles West Texas Tech University Lisa Baxter Texas Tech University
GS15-148	Multifunctionality of Cover Crops in South Texas: Looking at multiple benefits of cover cropping on small farms in a Subtropical Climate	\$8,953	Dr.Alexis Racelis University of Texas - Rio Grande Valley Savannah Rugg University of Texas Pan-American
GS14-133	Effects of Simulated and Insect Herbivory on Total and Protein Percipitable Phenolic Concentrations of Two Legumes	\$9,040	Dr.James Muir
GS14-138	Use of Artificial Lighting to Increase Photoperiod Length for Pasture-Raised Laying Hens to Improve Egg Productivity and Quality	\$10,997	Dr.Jackie Wahrmund Texas A&M University-Commerce
GS12-109	Factors contributing to the economic impact of cotton fleahoppers, Pseudatomoscelis seriatus	\$9,336	Loriann Garcia Texas A&M University
GS11-108	Evaluating functional diversity in an organic intercropping system	\$10,000	Dr.Astrid Volder Texas A&M University
GS11-107	Managing Climate Change on Apple Orchards	\$9,954	Stephen Carlson University of North Texas Dr.James Veteto University of North Texas
GS07-056	Allelopathic effects of small grain cover crops on cotton plant growth and yields	\$10,000	Yue Li Texas Tech University Dr.Vivien Allen Texas Tech University
GS07-064	Cropping systems for sustainable nutrient management and dairy production	\$10,000	Ronnie Schnell Texas A&M University, Soil & Crop Sciences Donald Vietor, PhD Texas A&M University, Soil & Crop Sciences
GS04-040	Cycling of composted biosolids through turfgrass sod enhances sustainability across agricultural and urban landscapes	\$10,000	Nels Hansen Soil & Crop Sciences Department
GS03-021	Development of Methodology to Measure Net Feed Efficiency in Bulls to Enhance Profitability and Environmental Sustainability of Beef Production	\$10,000	Gordon Carstens Texas A&M University
GS02-012	Optimizing Water Use for Three Old World Bluestems in the Texas High Plains	\$10,000	Dirk Philipp Texas Tech University

ON-FARM RESEARCH/PARTNER GRANTS

Project #	Project Title	SARE support	Project Leaders
OS16-095	Deep Soil Profile Sampling of Nitrate for Residual Nitrogen Credit in Winter Wheat - Texas Blacklands	\$15,000	Jake Mowrer Texas A&M Agrilife Extension

OS14-087	Determining accurate nitrate level requirements in an aquaponic system.	\$9,737	Dr. Joseph Masabni Texas A&M AgriLife Extension
OS14-089	Developing farmer- appropriate integrated pest management strategies in South Texas: The potential of push-pull technologies to regulate organic brassica pest	\$15,000	Dr. Alexis Racelis University of Texas - Rio Grande Valley
OS13-072	Huitlacoche Production as an Alternative Crop in South Texas	\$14,962	Dr. Alexis Racelis University of Texas - Rio Grande Valley
OS12-067	Adaptable Wide Stale Seedbed System Combining Precision Fertilizer Placement, Conservation Irrigation Management with Reduced Tillage Practices for Long Term Farm Sustainability	\$15,000	Dionicio Valdez Texas A&M AgriLife Extension Service
OS10-053	BIOLOGICAL CONTROL OF SALT CEDAR ON WEST TEXAS RANCHES CONSERVES FORAGE AND WATER RESOURCES	\$14,965	Allen Knutson Texas AgriLife Extension Service
OS06-031	Use of Guar (Cyamopsis tetragonolaba (L.) Taub) for cover crop rotation and green manuring	\$15,000	Russell Wallace Texas A&M University AgriLife Extension
OS05-023	Livestock and Feedstock: Distiller's Grain and Fuel Ethanol	\$15,000	Peggy Korth Water Assurance Technology Energy Resources
OS04-021	Comparison of Stockpiled Bermudagrass + Annual Ryegrass and Traditional Hay-Only Winter Feeding Practices	\$14,645	Larry Redmon Texas Cooperative Extension
OS02-006	Evaluation and Maintenance of Sustainable Systems for Alfalfa Production and Marketing Strategies on Coastal Plain Soils	\$15,000	Larry Redmon Texas Cooperative Extension

COMMUNITY INNOVATION GRANTS

Project #	Project Title	SARE support	Project Leaders
CS10-081	Establishing Sustainable Agriculture & Community Development in Elgin Texas	\$10,000	Amy Miller City of Elgin
CS10-076	Investing in Community Linkages to Improve our Food System	\$10,000	Jay Crossley Houston Tomorrow
CS06-040	Building Local Food & Local Communities in Western Oklahoma	\$10,000	Darryl Birkenfeld Ogallala Commons
CS03-012	Sustainable Agriculture Innovations Lead to Rural Success	\$10,000	Gayla Kessinger Canutillo Independent School

MATCHING GRANTS

Project #	Project Title	SARE support	Project Leaders
MS09-001	Building a Sustainable Future for	\$15,000	Dr. Vivien Allen

**Total funding from the USDA SARE program to
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\$4,898,432**



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

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