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 $332 million to more than 7,749 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.

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

Project Highlight: Training for a Sustainable Agriculture Future

Thousands of Texas ranchers hurt by drought are seeking new ways to make their land profitable. Large Texas farms are being subdivided. Farms of all sizes are now in closer contact with non-agricultural communities due to urban growth. Agriculture in Texas is changing, and the technical professionals who support producers must keep up by learning innovative, research-based production and marketing strategies relevant to their clientele’s interests. This need prompted Texas A&M Extension educators to organize a SARE-funded training program on the sustainable and organic practices that are of emerging interest to Texas’ farmers and ranchers. The program reached 45 employees of Texas A&M and Prairie View A&M Extension, and the USDA Natural Resources Conservation Service. It included hands-on farm training conducted at six locations, with classroom presentations and discussions over four days. Eleven farmers and ranchers served as trainers during the on-site visits. Participants reported back on what they did in their communities as a result of their involvement in the program. Five months after conclusion of the training, they brought information about sustainable and organic practices to 1,000 farmers in 37 different counties through a combination of events and one-on-one outreach.

For more information on this project, see sare.org/projects, and search for project number ES13-120.

SARE in Texas

southern.sare.org/sare-in-your-state/texas

$8,776,053 in total funding

119 grant projects

(since 1988)

For a complete list of grant projects state by state, go to www.sare.org/state-summaries
SARE Grants in Texas

Total awards: 119 grants
37 Research and Education
4 Sustainable Community Innovation
9 Professional Development Program
25 Farmer/Rancher
26 Graduate Student
18 On Farm Research/Partnership

Total funding: $8,776,053
$7,196,602
Research and Education
$40,000
Sustainable Community Innovation
$703,658
Professional Development Program
$241,676
Farmer/Rancher
$315,704
Graduate Student
$278,413
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/texas

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/texas to learn more.

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

Larry Redmon
Texas A&M University
(979) 845-4008
l-redmon@tamu.edu

For detailed information on SARE projects, go to 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 TEXAS
by USDA's Sustainable Agriculture Research and Education (SARE) Program

Texas has been awarded $8,776,053 grants to support 118 projects, including but not limited to, 36 research and/or education projects, 9 professional development projects and 25 producer-led projects. Texas has also received additional SARE support through multi-state projects.

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| LS21-345  | Soil for Water                                                                | $1,000,000   | Mike Morris  
              National Center for Appropriate Technology  
              Eric Bendfeldt  
              Virginia Cooperative Extension  
              Dr.Dirk Philipp  
              University of Arkansas  
              Dr.Rocky Lemus  
              Mississippi State University, Department of Plant and Soil Sciences |
| LS20-341  | Assessing Water Use Efficiency, Soil Health, and Pollinators within a Transition from Irrigation to Dryland Management in the Texas High Plains | $299,208     | Dr.Scott Longing  
              Texas Tech University  
              Dr.Veronica Acosta-Martinez  
              USDA-ARS |
| LS20-343  | Toward Culturally Responsive Disaster Management for Limited Resource Producers: The Role of Person, Place and Professional Agencies | $300,000     | Dr.Noel Estwick  
              Prairie View A&M University  
              Dr.Nelson Daniels  
              Prairie View A&M University  
              Dr.Marco Robinson  
              Prairie View A&M University |
| LS19-313  | Organic and Conventional Agriculture: Learning from Each Other to Promote Soil Health and Economic Viability in West Texas | $299,667     | Dr.Katie Lewis  
              Texas A&M AgriLife Research |
| LS19-312  | Regional Food Transportation for Texas Farmers                               | $299,311     | Caroline Krejci  
              The University of Texas at Arlington |
| LS18-288  | A Southern Regional Water Conference to Improve Producer Adoption of Sustainable Water Management Practices | $48,000      | Dr.Diane Boellstorff  
              Texas A&M AgriLife Extension Service |
| LS17-277  | Indicators and Soil Conservation Practices for Soil Health and Carbon Sequestration | $312,000     | Dr.Barbara Bellows  
              Tarleton State University/ TIAER |
| LS17-283  | Developing Organic Cropping Systems for Grain Production in Texas           | $276,000     | Ronnie Schnell  
              Texas A&M University, Soil & Crop Sciences |
| LS17-286  | Long-term Agroecosystems Research and Adoption in the Texas Southern High Plains - Phase III | $300,000     | Dr.Charles West  
              Texas Tech University |
| 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     | Dr.Russell Wallace  
              Texas A&M University AgriLife Extension |
<table>
<thead>
<tr>
<th>Project Code</th>
<th>Description</th>
<th>Funding Amount</th>
<th>Principal Investigator(s)</th>
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<tbody>
<tr>
<td>LS16-271</td>
<td>Intensifying Cropping Systems in Semi-Arid Environments to Enhance Soil Health and Profitability</td>
<td>$232,827</td>
<td>Dr. Paul DeLaune, Texan A&amp;M AgriLife Research / Soil and Crop Sciences</td>
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<tr>
<td>LS14-261</td>
<td>Long-term AgroEcosystems Research and Adoption in the Texas Southern High Plains – Phase II</td>
<td>$300,000</td>
<td>Dr. Charles West, Texas Tech University</td>
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<tr>
<td>LS14-264</td>
<td>Beyond Fresh: Expanding Markets for Sustainable Value-added Food Products in Texas</td>
<td>$220,000</td>
<td>Mike Morris, National Center for Appropriate Technology</td>
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<tr>
<td>LS12-249</td>
<td>Improving Soil Quality to Increase Yield and Reduce Diseases in Organic Rice Production</td>
<td>$225,000</td>
<td>Fugen Dou, Texas A&amp;M AgriLife Research</td>
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<tr>
<td>LS11-238</td>
<td>Long-term AgroEcosystems Research and Adoption in the Texas Southern High Plains – Phase I</td>
<td>$329,999</td>
<td>Dr. Charles West, Philip Brown, Texas Tech University</td>
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<td>LS10-229</td>
<td>Integrated Crop and Livestock Systems for Enhanced Soil Carbon Sequestration and Microbial Diversity in the Semiarid Texas High Plains</td>
<td>$160,000</td>
<td>Dr. Jennifer Moore-Kucera, Texas Tech University</td>
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<td>LS10-236</td>
<td>Traceability in Specialty Crop Production and Supply Chains: Distilling a Research and Extension Agenda</td>
<td>$33,000</td>
<td>Kathryn Boys, Virginia Tech, Kathryn Boys, Clemson University</td>
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<tr>
<td>LS08-202</td>
<td>Crop-livestock Systems for Sustainable High Plains Agriculture</td>
<td>$200,000</td>
<td>Dr. Vivien Allen, Texas Tech University</td>
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<tr>
<td>LS08-208</td>
<td>Marketing of locally produced sustainable animal fiber products</td>
<td>$140,000</td>
<td>John Bernard, University of Delaware, Hikaru Hanawa Peterson, Kansas State University, Gwendolyn Hustvedt, Texas State University</td>
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<tr>
<td>LS07-201</td>
<td>Pigeon pea: a multipurpose, drought resistant forage, grain and vegetable crop for sustainable southern farms</td>
<td>$200,000</td>
<td>Dr. John Sloan, Texas AgriLife Research</td>
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<tr>
<td>LS05-175</td>
<td>Sustainable and profitable control of invasive plant species by small ruminants</td>
<td>$178,000</td>
<td>Dr. James Muir, Texas A&amp;M AgriLife Research</td>
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<tr>
<td>LS05-214</td>
<td>SARE Research and Education Program Impacts and Diffusion</td>
<td>$31,526</td>
<td>Marari Suvedi, CARRS Center for Evaluative Studies</td>
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<tr>
<td>LS03-144</td>
<td>Expanding the Marketing Opportunities for Organic Growers in Texas</td>
<td>$19,924</td>
<td>Douglas Constance, Sam Houston State University</td>
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<tr>
<td>LS03-150</td>
<td>Sustainable and profitable control of invasive species by browsing goats on small farms</td>
<td>$14,199</td>
<td>Dr. James Muir, Texas A&amp;M AgriLife Research</td>
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<tr>
<td>LS02-131</td>
<td>Forage and Livestock Systems for Sustainable High Plains Agriculture</td>
<td>$251,805</td>
<td>Dr. Vivien Allen, Texas Tech University</td>
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<td>LS00-117</td>
<td>System for value-added export of manure nitrogen and phosphorus through turfgrass sod</td>
<td>$149,726</td>
<td>Donald Vietor, PhD, Texas A&amp;M University, Soil &amp; Crop Sciences</td>
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<tr>
<td>LS99-100</td>
<td>Systems for sustainability of alfalfa production on acid, Coastal Plain soils using various harvesting strategies</td>
<td>$149,750</td>
<td>Vincent Haby, Texas Agricultural Experiment Station</td>
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</tbody>
</table>
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

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

LS92-047  Farm Scale Evaluation of Alternative Cotton Production Systems  $60,000  William M. Lyle  
Texas Agricultural Experiment Station

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

LS88-002  Whole-farm Low/Reduced Input Farming Systems and Educational Program  $90,000  Hoover Carden  
Prairie View A & M University

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

PROFESSIONAL DEVELOPMENT PROGRAM GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| PDP21-06   | Sustainable Aquatic Habitat Management on Agricultural Lands                  | $60,000      | Brittany Chesser  
Texas A&M AgriLife Extension Service  
Dr. Aaron Sumrall  
Texas A&M AgriLife Extension Service |
| ES20-151   | Beekeeping Curriculum and Training for Texas Agricultural Extension Agents and 4-H Youth Leaders | $79,516      | Nicole Gueck  
AgriLogic Consulting, LLC  
Elizabeth “Wizzie” Brown  
Texas AgriLife Extension Service  
Leesa Hyder  
Texas Beekeepers Association  
Molly Keck  
Texas AgriLife Extension Service  
Ashley Ralph  
Texas Beekeepers Association  
Mary Reed  
Texas Apiary Inspection Services |
| ES19-147   | Training Texas County Extension Agents and Mentor Ranchers to Improve Small Ruminant Health and Productivity Through Natural Genetic Selection Strategies | $76,996      | Dr. Reid Redden  
Texas A&M AgriLife Extension |
| ES18-139   | Natural Resource Management for Sustainable Agriculture Production in East Texas | $42,773      | Dr. Vanessa Corriher-Olson  
Texas A&M AgriLife Extension |
| ES18-142   | Promotion and Adoption of Sustainable Agriculture Practices in Texas: Training the Trainers | $80,000      | Dr. Jake Mowrer  
Texas A&M AgriLife Extension |
### RANCHING WITH WILDLIFE: TEACHING SUSTAINABLE LIVESTOCK PRODUCTION PRACTICES FOR WILDLIFE HABITAT

**Project #**: ES17-136  
**Project Title**: Ranching with Wildlife: Teaching Sustainable Livestock Production Practices for Wildlife Habitat  
**SARE Support**: $78,838  
**Project Leaders**: John Tomecek  
Texas A&M Agrilife Extension Service

### FARMING FOR THE FUTURE: ADOPTING SUSTAINABLE AGRICULTURE PRACTICES

**Project #**: ES13-120  
**Project Title**: Farming for the Future: Adopting Sustainable Agriculture Practices  
**SARE Support**: $55,904  
**Project Leaders**: Dr. Megan Clayton  
Texas A&M AgriLife Extension Service, Department of Rangeland, Wildlife, and Fisheries Management

### ACHIEVING RANGELAND SUSTAINABILITY THROUGH TOTAL RESOURCE MANAGEMENT

**Project #**: ES99-045  
**Project Title**: Achieving Rangeland Sustainability Through Total Resource Management  
**SARE Support**: $157,061  
**Project Leaders**: William Fox, Ph.D.  
Texas Cooperative Extension  
C. Wayne Hanselka, Ph.D.  
Texas Cooperative Extension

### ENVIRONMENTALLY AND ECONOMICALLY SUSTAINABLE USE OF RANGELAND

**Project #**: LST94-002  
**Project Title**: Environmentally and Economically Sustainable Use of Rangeland  
**SARE Support**: $72,570  
**Project Leaders**: James F. Cadenhead  
Texas A & M Research and Extension

## FARMER/RANCHER GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
</table>
| FS19-312  | Tagasaste: A new feed source for West Texas | $9,670 | Malinda Beeman  
Marfa Maid Dairy |
| FS18-306  | Subsoiling as an Effective and Affordable Water Capture Tool | $9,720 | Amanda Krause  
Parker Creek Ranch |
| FS17-299  | Organic Sweet Potato as a Commercial Crop in South Texas | $10,000 | Lois Kim  
Farmer |
| 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 |
| FS06-198  | Evaluation of Mulches for Organic Cantaloupe Production in Semi-Arid Regions | $9,855 | John Chandler |
| FS06-205  | Cover Crop Optimization for Sustainable Forage Systems on a Southern Dairy Farm | $9,872 | Neil R. Miller  
World Hunger Relief, Inc. |
| 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 Corrugating Linerboard/Medium Paper | $7,399 | Michael E. Tolbert  
The Landowners Association of Texas-Tyler Chapter |
| FS03-161  | Sustainable Pastured Layer Research Project | $14,992 | Graciela Alvarado  
Texas/Mexico Border Coalition Community Based Org. |
**GRADUATE STUDENT GRANTS**

<table>
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<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
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<tr>
<td>GS21-241</td>
<td>Harnessing the Wild Relatives of Rice for Novel Adaptive Phenotypes: Genetics and breeding for agricultural sustainability beyond the Green Revolution</td>
<td>$16,500</td>
<td>Dr. Benildo Reyes&lt;br&gt;Texas Tech University&lt;br&gt;Swarupa Mandal&lt;br&gt;Texas Tech University</td>
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<tr>
<td>GS21-248</td>
<td>African American Absentee Landowners in Houston and Their Knowledge of Rural Land Ownership Conservation Practices: A needs assessment</td>
<td>$14,532</td>
<td>Dr. Chanda Elbert&lt;br&gt;Texas A&amp;M University&lt;br&gt;Ashley Pellerin&lt;br&gt;Texas A&amp;M University</td>
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<tr>
<td>GS21-251</td>
<td>Effectiveness of Tarping and Tillage as Weed Management Strategies in South Texas</td>
<td>$16,499</td>
<td>Dr. Alexis Racelis&lt;br&gt;University of Texas - Rio Grande Valley&lt;br&gt;Christopher De la Rosa&lt;br&gt;University of Texas Rio Grande Valley</td>
</tr>
<tr>
<td>GS20-226</td>
<td>Comparing the Effects of Forage Mix and Nutrient Management on Soil Greenhouse Gas Flux in Semi-arid Improved Pastures</td>
<td>$16,450</td>
<td>Lindsey Slaughter&lt;br&gt;Texas Tech University&lt;br&gt;Billi Petermann&lt;br&gt;Texas Tech University</td>
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</table>
GS20-227  Texas Little Bluestem (Schizachyrium scoparium) Phenotypic Attribute Correlations to Collection Site Environment Characteristics

GS20-229  Cannabis sativa L. as a Feed Source in Backyard Rabbit Production

GS19-198  The Success of Organic and Other Sustainable Dual-Purpose Wheat Systems Depend on Access to Adapted Varieties

GS19-211  Roadblocks to Success: Needs assessment of small producers in Texas

GS19-209  Improving Resilience, Sustainability and Nutritional Properties of Specialty Crops Using Composted Spent Coffee Grounds

GS18-193  Investigating Controls Over Nodulation and Nitrogen Fixation in Leguminous Cover Crops in Subtropical South Texas

GS18-196  Effects of Cumulative Cattle Trampling on Soil Bulk Density and Infiltration of Rain Water on an Annual Forage Crop Pasture

GS18-179  Developing Suitable Cover Crop Systems for South Texas: Evaluating Different Late-Summer and Winter Cover Crop Species

GS16-160  Agroecological methods to manage brassica pests on organic farms

GS16-161  Examining the role of bats in pest management in agroecosystems of south Texas

GS15-148  Multifunctionality of Cover Crops in South Texas: Looking at multiple benefits of cover cropping on small farms in a subtropical climate

GS15-152  Evaluation of winter annual cover crops under multiple residue managements: Impacts on land management, soil water depletion, and cash crop productivity.

GS14-133  Effects of Simulated and Insect Herbivory on Total and Protein Percipitable Phenolic Concentrations of Two Legumes

GS14-138  Use of Artificial Lighting to Increase Photoperiod Length for Pasture-Raised Laying Hens to Improve Egg Productivity and Quality

GS12-109  Factors contributing to the economic impact of cotton fleahoppers, Pseudatomoscelis seriatus

Dr. James Muir
Texas A&M AgriLife Research
Kimberlee Howell
Tarleton State University

Dr. William Smith, Ph.D.
Tarleton State University
Kristen Jacobson
Tarleton State University

Bill Pinchak
Texas A&M AgriLife Research
Philip Hinson
Texas A&M University

Dr. Ken Mix
Texas State University
Katie Tritsch
Texas State University

Dr. David Reed
Texas A&M University
Amanda Birnbaum
Texas A&M University

Dr. Alexis Racelis
University of Texas - Rio Grande Valley
Stephanie Kasper
University of Texas Rio Grande Valley

Dr. Charles West
Texas Tech University
Dr. Kathryn Radicke-Vanderburg
West Texas A&M University / Purdue Global University/ Unity College

Dr. Alexis Racelis
University of Texas - Rio Grande Valley
Madeline Marshall
Corteva Agriscience

Dr. Alexis Racelis
University of Texas - Rio Grande Valley
Katharine Jones
The University of Texas at Rio Grande Valley

Dr. Alexis Racelis
University of Texas - Rio Grande Valley
Savannah Rugg
University of Texas Pan-American

Dr. Charles West
Texas Tech University
Dr. Lisa Baxter
University of Georgia (Tifton Campus)

Dr. James Muir
Texas A&M AgriLife Research
Tiana Blackmon
Tarleton State University

Dr. Jackie Wahrund
University of Kentucky
Margaret Morgan
Texas A&M University-Commerce

Micky Eubanks
Auburn University
Loriann Garcia
Texas A&M University
ON FARM RESEARCH/PARTNERSHIP GRANTS

<table>
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<tr>
<th>Project #</th>
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<tbody>
<tr>
<td>OS21-140</td>
<td>Introducing Beneficial Entomopathogenic Nematodes for Biological Control and</td>
<td>$20,000</td>
<td>Anjel Helms</td>
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<td></td>
<td>Enhanced Plant Resistance to Improve Pest Management in Cucurbit Crops</td>
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<td>Texas A&amp;M University</td>
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<td>OS20-138</td>
<td>Strategic Management of Legume Cover-forage Crops to Optimize Utility in a</td>
<td>$20,000</td>
<td>Dr.Reagan Noland</td>
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<td></td>
<td>Challenging Environment</td>
<td></td>
<td>Texas A&amp;M AgriLife Extension</td>
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<td>OS20-139</td>
<td>Incorporating Native Plants in Insectary Strips to Promote Insect Diversity</td>
<td>$20,000</td>
<td>Pushpa Soti</td>
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<tr>
<td></td>
<td>and Belowground Beneficial Microbes</td>
<td></td>
<td>University of Texas Rio Grande Valley</td>
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<tr>
<td>OS19-128</td>
<td>Sustainable Pasture Management in Texas: Optimizing forage production and</td>
<td>$14,298</td>
<td>Dr.James Kiniry</td>
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<td></td>
<td>nutrient use in various environments and soils</td>
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<td>usda-ars</td>
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<td>OS19-131</td>
<td>Advancing the Frontier of Legume Cover Crops and Building Integrated System</td>
<td>$15,000</td>
<td>Dr.Reagan Noland</td>
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<td></td>
<td>Resilience in Semi-arid West Texas</td>
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<td>Texas A&amp;M AgriLife Extension</td>
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<td>OS18-119</td>
<td>Supporting Alternative Crop Options Through Improved Fertility Recommendations</td>
<td>$14,811</td>
<td>Fernando Guillen-Portal</td>
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<td></td>
<td>for Canola in Central and South Texas</td>
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<td>Texas A&amp;M University</td>
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<tr>
<td>OS18-121</td>
<td>Integrating Cover Crops as Potential Weed and Pest Management Strategy in</td>
<td>$15,000</td>
<td>Pushpa Soti</td>
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<tr>
<td></td>
<td>Organic Vegetable Farms in South Texas</td>
<td></td>
<td>University of Texas Rio Grande Valley</td>
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</tbody>
</table>
OS17-108  Using Mycorrhizal Fungi to Improve Soil Health and Increase Yield in Organic Vegetable Farms  $14,995  Dr.Alexis Racelis  University of Texas - Rio Grande Valley

OS16-095  Deep Soil Profile Sampling of Nitrate for Residual Nitrogen Credit in Winter Wheat – Texas Blacklands  $15,000  Dr.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

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 SALTCEDAR ON WEST TEXAS RANCHES CONSERVES FORAGE AND WATER RESOURCES  $14,965  Allen Knutson  Texas AgriLife Extension Service

OS06-031  Use of Guar (Cyamopsis tetragonoloba (L.) Taub) for cover crop rotation and green manuring  $15,000  Dr.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

SUSTAINABLE COMMUNITY INNOVATION GRANTS

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>SARE Support</th>
<th>Project Leaders</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS10-076</td>
<td>Investing in Community Linkages to Improve our Food System</td>
<td>$10,000</td>
<td>Jay Crossley  Houston Tomorrow</td>
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<tr>
<td>CS10-081</td>
<td>Establishing Sustainable Agriculture &amp; Community Development in Elgin Texas</td>
<td>$10,000</td>
<td>Amy Miller  City of Elgin</td>
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<tr>
<td>CS06-040</td>
<td>Building Local Food &amp; Local Communities in Western Oklahoma</td>
<td>$10,000</td>
<td>Darryl Birkenfield  Ogallala Commons</td>
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<tr>
<td>CS03-012</td>
<td>Sustainable Agriculture Innovations Lead to Rural Success</td>
<td>$10,000</td>
<td>Gayla Kessinger  Canutillo Independent Schoo</td>
</tr>
</tbody>
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Total funding from the USDA SARE program to
Texas
$8,776,053

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).