



## Southern Sustainable Agriculture Research and Education 2021 Graduate Student Grant Call for Proposals

Amount Funded: Up to \$16,500 for a two-year project

Proposal submission deadline: May 7, 2021 at 12 p.m. (noon) EST

Online submission link: <https://projects.sare.org/proposals/create/#/form/750145>

Learn more about the requirements for [Graduate Student Grants](#) before applying. Questions should be directed to the grant manager, Candace Pollock-Moore at [cpollock@uga.edu](mailto:cpollock@uga.edu) or call 770-412-4786.

### Graduate Student Grant Schedule

**February 2021: Call for Proposals Released**

**May 7, 2021: Proposals Due**

**August 2021: Selected Proposals Funded and Announced**

### Introduction

Southern SARE recognizes the value and importance of sustainable agriculture research contributions from graduate students as they pursue their professional careers. Graduate Student Grants allow Master's and PhD students at accredited institutions across the Southern region to conduct research projects on a wide variety of sustainable agriculture production, marketing and social science topics.

### Who Can Apply

Master's and PhD students enrolled full-time at accredited institutions in the Southern region at the time of proposal submission are eligible for Graduate Student Grants. A graduate student may receive only one Graduate Student Grant during his or her graduate student program, and the grant can only be used by the student who submitted the proposal.

Southern SARE accepts proposals from applicants in the Southern region: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, Puerto Rico, and the U.S. Virgin Islands.

## What is Sustainable Agriculture?

Proposed projects must focus on Southern SARE's [program objectives](#) in developing sustainable agriculture systems or moving existing farming systems toward sustainability, as [defined by the Congress](#) in the 1990 Farm Bill. Under that law, "the term sustainable agriculture means an integrated system of plant and animal production practices having a site-specific application that will, over the long term:

- Satisfy human food and fiber needs;
- Enhance environmental quality and the natural resource base upon which the agricultural economy depends;
- Make the most efficient use of nonrenewable resources and on-farm resources and integrate, where appropriate, natural biological cycles and controls;
- Sustain the economic viability of farm operations; and
- Enhance the quality of life for farmers and society as a whole."

Graduate students can use the following focus areas as topic guidelines for submitting proposals, but are not limited to this list for their research ideas.

1. **Beneficial Insect Habitat:** Developing cover crops or other plant mixes and locations to provide habitat (refuges) that keep populations of native beneficial insects living on the farm ready to attack crop pests as they occur.
2. **Alternative Crops/Animals:** Developing alternative crops, animals or products that help a producer's operation become more economically sustainable. These projects must be at least as environmentally sustainable as the existing crops, animals or products they supplement or replace.
3. **Organic Agriculture:** Projects that address the production, distribution, marketing and consumption of organic farm products. This includes farmers adding value to organic products, and research into farming systems and practices that make use of on-farm biological cycles for soil, plant and pest management are accepted.
4. **Sustainable Marketing Projects:** Developing markets for existing or alternative crops, animals or products.
5. **Sustainable Grazing Systems:** Use of native grass species and/or plant or animal management systems to make grazing systems more sustainable.
6. **Soil Organic Matter Building/Protection/Management:** Projects that increase the sustainability of farming systems by developing soil organic matter and soil biota.
7. **Natural Resources/Conservation/Water Quality:** Projects that increase the sustainability of farming systems using methods that support natural resources, enhance environmental conservation or improve water quality.
8. **Increasing Sustainability of Existing Farming Practices:** Any practice or system that increases the sustainability of an existing farming practice. The results should be able to be used by other farmers.
9. **Appropriate Technology:** Projects that support agricultural technology, or develop a device or piece of machinery that promotes sustainable agriculture and

- can't be purchased off the shelf. The device or machinery must have application for farmers/ranchers, be able to be built by them and enable them to operate more sustainably.
10. **Agroforestry:** Projects that demonstrate and quantify the feasibility of establishing agroforestry in the region.
  11. **Socio-economic/Community:** Projects pertaining to impacts of sustainable agriculture in rural and urban communities in the social sciences realm. This can include topics from such disciplines as economics, sociology, anthropology, geography, history, philosophy, political science, and psychology.

## **Preparing Your Proposal**

Refer to the following template when preparing your proposal. The information provided here is required for submitting your proposal online. When you are ready to submit your proposal, apply at the following link:

<https://projects.sare.org/proposals/create/#/form/750145>

**Be sure to submit your proposal prior to the application deadline. Once the May 7, 2021 deadline passes, the online system will close and late proposals will not be accepted.**

### **A. Basic Information**

#### **Project Title**

The title of the proposed project.

#### **Funding Amount Requested**

Indicate the funding amount requested. Maximum funding is \$16,500.

#### **Major Professor (Principal Investigator)**

List the major professor as the principal investigator, the lead institution/organization, full address, telephone, and e-mail. Graduate students cannot be PIs on the project. The institution/organization the Major Professor (PI) is associated with is considered the leading institution and will receive the grant funding.

#### **Graduate Student**

List the graduate student, lead institution/organization name, full address, telephone, and e-mail.

#### **Major Professor and Graduate Student Experience and Roles**

Briefly describe the experience relative to the project and the role in the project for the major professor and graduate student. Limited to 500 words.

### **Institutional Administrative Contact**

List the name of the administrative contact, including institution name and type, full address, telephone, and e-mail. The administrative contact is the person who handles grant contracts and has signature authority.

### **Institutional Financial Contact**

List the name of the financial contact, including institution name and type, full address, telephone, and e-mail. The financial contact is the person who submits invoices and answers questions concerning invoicing and payments.

### **Type of Institution**

Indicate the type of the main institution applying for the grant. This can include 1862 land-grant university, 1890 land-grant university, other college/university, NGO, or government.

### **State**

Indicate the state where the research will be conducted.

### **Project Start Date**

The project start date for the SSARE 2021 Graduate Student Grant will be September 1, 2021. This date is firm. Enter 09/01/2021 in the online system.

### **Project End Date**

Project duration is limited to two years. The ending date will be 08/31/2023.

## **B. Proposal**

### **Project Abstract**

Provide a brief abstract or project summary. Limited to 250 words.

### **Statement of Problem, Rational and Justification**

Provide a statement of the problem being addressed and how it is related to, or affects, the sustainability of agriculture. Discuss your rationale and justification for the proposed objectives. Begin the statement of the problem as: **“The purpose of this project is to...”** Limited to 500 words.

## **Objectives**

A list of concise project objectives, limited to no more than 500 words.

## **Relevance to Sustainable Agriculture**

You must demonstrate how your project is relevant to sustainable agriculture. State how the project and the expected results contribute to agricultural sustainability. Don't simply tell us that your project addresses an element of sustainable agriculture, tell us how your project will address it and make it more sustainable. Make sure that your work, even though it is making a part of a system more sustainable, does not make the whole system or another part of it, less sustainable. Does your project use genetically engineered varieties or organisms? If so, state how their use will contribute to your project and make agriculture more sustainable.

How will this project improve quality of life for producers, communities and consumers in the Southern region? See Southern SARE's [working document](#) on what quality of life means for sustainable agriculture research grants.

Limited to 1,000 words.

## **Diversity, Equity and Inclusion**

Will this project support underserved producers and/or increase equity in Southern agricultural systems? If yes, how? Limited to no more than 1,000 words.

Under USDA's Section 2501 of the Food, Agriculture, Conservation and Trade Act of 1990 (FACT Act), also known as the 1990 Farm Bill, P.L. 101-624, a socially disadvantaged group is defined as: *A farmer or rancher who is a member of one or more of the following groups whose members have been subjected to racial or ethnic prejudice because of their identity as members of a group without regard to their individual qualities*, 7 U.S.C. § 2279(e). Groups include, but are not limited to:

- African Americans
- American Indians
- Alaskan Natives
- Asians
- Hispanics
- Pacific Islanders
- Refugees
- Immigrants

The 2014 Farm Bill expanded that definition to include military veterans.

## **Approach and Methods**

Provide a brief description of the methods, demonstrating how your solution works in addressing the statement of the problem. What is the methodology? There must be a direct relationship between the approach and methods and the project relevance to sustainable agriculture. Limited to 1,000 words.

### **Timetable**

Provide a timetable of the work to be completed. Limited to 500 words.

### **Literature Cited**

List cited literature that supports the justification of the research project being proposed. Limited to 250 words.

## **C. Budget and Budget Narrative**

Fill in a budget and provide a justification in the budget narrative for each allowable item listed on the budget. **Refer to the budget checklist attached to this Call for Proposal.** SARE allows indirect costs. SARE does not require matching funds/cost-shares.

### **Allowable Expenses**

- Materials and supplies needed for the project, including software. The materials and supplies must remain within the scope of the project and be a reasonable request relative to the research being conducted.
- Costs of sampling and data analysis, either in the lab or in the field.
- The purchase of equipment. Any equipment obtained becomes the property of the university that funded the graduate student grant.
- The rental of equipment or operating charges.
- Labor. The graduate student may receive up to a maximum of 50 percent of the project total. This is actual identifiable work on the project and NOT a general graduate stipend.
- General labor (such as an undergraduate student or lab technician). If general labor is required for the project, the budget for general labor should be **no more than 30 percent of the graduate student budget.**
- Special texts not readily available.
- Travel and per diem necessary for the project. This can include travel related outreach efforts. Use your university per diem rules.
- Student travel to one conference (not to exceed \$1,000 including registration) to present his/her SARE-funded research.

### **Non-allowable Expenses**

- Graduate student stipends, or any other funding the graduate student is receiving to fund his/her education.

- Preparation of thesis or dissertation copy.
- Journal publication costs.
- Purchase of classroom books.
- Payment of tuition.
- Permanent capital improvements (e.g. land, buildings, permanent fencing, livestock, bees, permanent irrigation, greenhouses, high tunnels or the planting of trees, including an orchard).

### **Indirect Costs**

USDA-NIFA will allow recovery of indirect costs. If your institution has a federally negotiated indirect rate agreement (NICRA), you may include indirect costs as a line item in your budget at the USDA-NIFA capped rate of 10% total federal funds. This is equitable to 11.11% total direct costs. This is only allowable if your institution's negotiated rate is higher than the USDA-NIFA capped rate.

If your institution has a federally negotiated indirect rate agreement (NICRA), and your negotiated rate is less than the USDA-NIFA capped rate of 10% total federal funds (11.11% total direct costs), you may only include indirect costs in your budget calculated using your lower negotiated indirect rate. A rate higher than your negotiated rate will not be approved as an allowable cost.

If your institution has never had a federally negotiated indirect rate agreement (NICRA), you may include indirect costs as a line item in your budget at a maximum rate of 10% modified total direct costs. This is the de minimus rate approved under Uniform Guidance (2 CFR 200.414). The calculation of the modified total direct cost base must adhere to the definition of modified total direct costs in 2 CFR 200.68 (Modified Total Direct Cost).

### **Modified Total Direct Cost (MTDC)**

MTDC means all direct salaries and wages, applicable fringe benefits, materials and supplies, services, travel, and up to the first \$25,000 of each subaward (regardless of the period of performance of the subawards under the award). MTDC excludes equipment, capital expenditures, charges for patient care, rental costs, tuition remission, scholarships and fellowships, participant support costs and the portion of each subaward in excess of \$25,000. Other items may only be excluded when necessary to avoid a serious inequity in the distribution of indirect costs, and with the approval of the cognizant agency for indirect costs.

The maximum amount allowed for funding a Graduate Student Grant, even if indirect costs are entered, is still \$16,500.

### **D. Signature Sheet**

Before you submit your proposal as final, print a copy of the proposal signature sheet from the online system. It should be signed by both the Principal Investigator (Major Professor) and the Organizational Administrative Representative (a representative at your institution who has authority to sign contracts). After scanning your signed signature sheet, the system will allow you to upload it and submit it along with your proposal up to the proposal deadline. Signature sheets can be signed electronically. You may also send in your signature sheet after the proposal deadline. After the proposal deadline, please send the signed signature sheet as an e-mail attachment to Sandra Blackwell at [youngjs@uga.edu](mailto:youngjs@uga.edu). Call Sandra Blackwell at 770-229-3212 with any questions regarding your signature sheet. **Graduate students do not sign the signature sheet.**

### **E. Applicant Demographic Data**

SSARE has a continuing commitment to monitor the operation of its review and award processes to identify and address any inequities based on gender or race. To gather information needed for this important task, applicants are asked to voluntarily submit the requested information with the proposal. This information will not be part of the review process, will be confidential and will not appear on any copy of the submitted proposal including the applicant's copy.

Gender: Male, Female

Race: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, White/Caucasian, Other

Are you of Hispanic/Latino background? Yes, No

### **How Your Proposal Will Be Reviewed**

All funding of Graduate Student Grants is awarded competitively and more proposals may be submitted than receive funding. Your proposal will be less competitive, or may not be funded at all, if it doesn't conform to the requirements in the Call for Proposal.

Proposals are first reviewed by a Technical Review Committee made up of university and government researchers, Cooperative Extension agents and specialists, and other ag professionals with a broad range of agricultural expertise.

The Technical Review Committee evaluates and scores proposals for technical merit and relevancy of the project to sustainable agriculture and Southern SARE criteria. The committee's evaluations are based on the following criteria:

- Contributing to and achieving the program goals of Southern SARE.
- Soundness of approaches and methods and the feasibility of obtaining the project goals by the methods stated.
- Appropriate time frame of the project proposed based on the stated methods and objectives.



- Appropriate, clear and realistic budget in relation to the research proposed.
- Qualifications of the applicant.

The Project Review Committee of the Southern SARE Administrative Council reviews proposals scored by the Technical Review Committee, and makes final project selections at the summer Administrative Council meeting. The selected projects for funding are presented to and voted on by the full Administrative Council during the summer Administrative Council meeting.

By late August, you will be contacted by e-mail regarding the status of your proposal, and review comments on your proposal will be made available to you. If awarded a Graduate Student Grant, your institution/organization will be asked to sign a contract prior to receiving any funds. Once the contract is signed, you agree to conduct the activities outlined in your proposal. Any changes in budget or activities must receive prior approval from Southern SARE. The award funding will be paid through reimbursement of allowable project expenses.

### **Other Information**

The Alternative Farming Systems Information Center (AFSIC) at the National Agricultural Library specializes in locating, collecting, and providing information about sustainable agriculture. Information specialists can answer questions, highlight resources, and share search techniques for literature reviews, background research, and identifying experts in the field and pertinent USDA researchers and projects. AFSIC has a number of resources on its website that may be relevant to your proposal. Contact: AFSIC, National Agriculture Library, USDA, 10301 Baltimore Ave., Beltsville MD 20705-2351, phone: [301-504-6559](tel:301-504-6559), fax: [301-504-6927](tel:301-504-6927), e-mail: [afsic@nal.usda.gov](mailto:afsic@nal.usda.gov), web: <http://www.nal.usda.gov/afsic/>.

If you are submitting a proposal on organic agriculture, you may want to consult the National Organic Standards Board [research priorities](#).

*Published by the Southern Region of the Sustainable Agriculture Research and Education (SARE) program. Funded by the USDA National Institute of Food and Agriculture (NIFA), Southern SARE operates under cooperative agreements with the University of Georgia, Fort Valley State University, and the Kerr Center for Sustainable Agriculture to offer competitive grants to advance sustainable agriculture in America's Southern region. USDA is an equal opportunity employer and service provider.*

**Required Budget Narrative Checklist for Graduate Student Grant  
Proposals**  
(form updated 01/2021)

**\*\*In the Budget Narrative, you must explain why each cost in the budget is needed to complete your Project. \*\***

**PERSONNEL (LABOR): Your Institution Personnel**

(non-employee payments are other direct costs)

- Position or Name
- Salary & basis for this salary (i.e. FTE; Hourly rate; etc.)
- Length of time expected to work
- What will they be doing?  
\***Secretarial / clerical** must be exceptional in nature and justified as it relates to the project.

**FRINGE BENEFITS (if applicable)**

- Provide Total allowable fringe benefits  
Salary x % Rate = Benefits

**NON-EXPENDABLE EQUIPMENT**

Equipment greater than or equal to \$5,000 and has a useful life of more than 1 year.

- Type / description
- List each Item and Cost
- Narrative on intended use in project  
\*Permanent capital expenditures (e.g. land, buildings, etc.) are NOT ALLOWED.

**TRAVEL**

All travel expenses associated with this request must be shown in budget narrative.

- How does this travel relate to your project goals/ activities (**required**)
- Destination – if known
- Mileage – Maximum rate is \$0.56/mi.
- Lodging - # of nights, # of people, Lodging cost
- Daily Per Diem-Rate for Meals; for current rate see: [www.gsa.gov/perdiem](http://www.gsa.gov/perdiem)
- \***International Travel is NOT ALLOWED**\*

**MATERIALS & SUPPLIES**

- State how each Material/Supply relates to the project.
- List Items and Cost  
\* **Items normally covered under F&A**, such as office supplies, must be justified as being required by the scope of the work, can be easily identified to your specific project, and are above and beyond what would normally be covered under F&A.

**OUTREACH**

- Field Days, Workshops, Educational Brochures, Fact Sheets and other outreach activities. **\*\* No breakfast is allowed on any Grant. \*\***

***Field Days & Workshops*** – includes costs of holding a field day or workshop. (e.g. Rental of facilities, cost of refreshments, equipment or supplies needed for the field day or workshop, and any other expenses associated with the preparation and execution of educational field days or workshops.) **Provide full details** in the budget narrative. Any purchases of food or refreshments must be itemized and justified in the budget, the cost must be reasonable, and the justification must explain the estimated cost per person and why these items are necessary for the project. **Also, must show expense is for the continuity of the meeting; that meeting will be held at a remote location; and includes non-UGA employee participants.**

#### **MISCELLANEOUS ALL OTHER DIRECT COSTS**

- Direct project charges not included in other categories. Description and cost must be included in budget narrative.

Some examples of direct charges include:

***Communications*** – mailings, postage, faxes, telephone (*These items are also considered indirect costs and if placed in budget should be exceptional in nature and justified as it relates to the project*).

***Service Maintenance*** – Maintenance contracts in direct correlation to use of equipment for the project (e.g. 50% use of equipment for project, 50% of service contract applied to budget costs).

#### **INDIRECT COSTS**

Section 704 of the Consolidated and Further Continuing Appropriations ACT, 2012 (P.L. 112-55) limits indirect costs to 10 percent of total Federal funds provided. Therefore, when preparing budgets limit your requests for recovery of indirect costs to the lesser of your institutions' official negotiated indirect cost rate or the equivalent of 10 percent of total Federal funds awarded. **11.111% of Total Direct Costs is the Equivalent of 10% of the Total Federal Funds Awarded.**

If your institution has never had a federally negotiated indirect rate agreement (NICRA), you may include indirect costs as a line item in your budget at a maximum rate of 10% modified total direct costs. This is the de minimus rate approved under Uniform Guidance (2 CFR 200.414). The calculation of the modified total direct cost base must adhere to the definition of modified total direct costs in 2 CFR 200.68.

#### **Modified Total Direct Cost (MTDC)**

MTDC means all direct salaries and wages, applicable fringe benefits, materials and supplies, services, travel, and up to the first \$25,000 of each subaward (regardless of the period of performance of the subawards under the award). MTDC excludes equipment, capital expenditures, charges for patient care, rental costs, tuition remission, scholarships and fellowships, participant support costs and the portion of each subaward in excess of

\$25,000. Other items may only be excluded when necessary to avoid a serious inequity in the distribution of indirect costs, and with the approval of the cognizant agency for indirect costs.

**If your institution is waiving indirect costs, this must be noted in the budget narrative.**

**TUITION**

SARE PROGRAM - TUITION IS **NOT ALLOWED**

**MATCHING FUNDS / COST SHARE**

Are not required by SARE

**\*Note:** If you have concerns regarding budget placement of items please contact Jami Sealey for assistance at 770-467-6083 or by email at [jsealey@uga.edu](mailto:jsealey@uga.edu)