

Bee a Friend to Pollinators

Pollinator Education and Agricultural Literacy for Educators and Students

Course Description

In this online course, educators will enter the world of the small but mighty pollinators that live alongside us in the Southeastern United States. We will meet some of the insects and plants who, through pollination, provide us with foods we love and dive into ways that educators can contribute to pollinator conservation. Educators will practice pollinator activities to facilitate in their classrooms and develop plans for a school pollinator project.

This course has a twofold approach focused on both content and application. Throughout the course and within each module, educators will acquire foundational knowledge about pollination, pollinators, and their importance; then, they will develop the skills to teach that content in their own educational contexts using lesson plans, activities for students, and other curricular resources.



This course was developed by Clemson Cooperative Extension, The Bee Cause Project, SC Ag in the Classroom, and the University of Georgia Cooperative Extension. Funding was provided by the South Carolina Department of Agriculture.

Learning Objectives

By the end of the course, you will be able to do the following:

- Describe the pollination process and the roles of insects, plants, and other actors in this process
- Identify common native insects and plants that are key to pollination in South Carolina
- State the importance of pollinators for ecosystems and food systems
- Identify actions that students, teachers, and community members can take to help pollinators
- Experiment with student learning activities about pollination and pollinators
- Evaluate and select activities to use in the classroom or school context
- Identify lesson plans, resources, organizations, and individuals to help facilitate student learning
- Develop plans for engaging students and the school community in pollinator projects and activities

Modules & Topics

- Module 1: The Critical Role of Pollinators in Our Food System
- Module 2: Identifying Key Pollinator Species
- Module 3: How Plants and Pollinators Interact
- Module 4: Creating Pollinator-Friendly Landscapes
- Module 5: Implementing Pollinator Education Programs – “Bee an Advocate”



Course Requirements

Educators will engage actively in the course through instructional videos, hands-on lesson plans and learning activities, and module quizzes. They will also interact with fellow educators through discussion boards. To meet the course requirements, learners will need to complete instructional videos, quizzes, and discussions according to course criteria. Educators who successfully complete the course will earn the Bee a Friend to Pollinators digital badge.

Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, gender, religion, national origin, disability, political beliefs, sexual orientation, gender identity, marital or family status and is an equal opportunity employer.





UNPACKING AN EDUCATORS BOX

- Bee a Friend to Pollinators Lesson Plan & Campus Assessment
- My Pollinator Journal
- Bee a Friend to Pollinators Bookmark
- USB Drive - Including all lesson plans and curriculum from each Online Module
- Class Set (20) of Hand Lenses
- How to Count in the Great Georgia Pollinator Census Rack Card
- Beneficial Insects, Spiders, and Mites in the Southeast laminated brochure
- What If There Were No Bees? By Suzanne Buckingham Slade
- Flower Talk by Sara Levine
- The Bee Book by Charlotte Milner
- Our School Garden by Rick Swann
- Insect Pollinators Guide - South Carolina/Georgia, depending on the participant
- Extra goodies provided by our funding partners

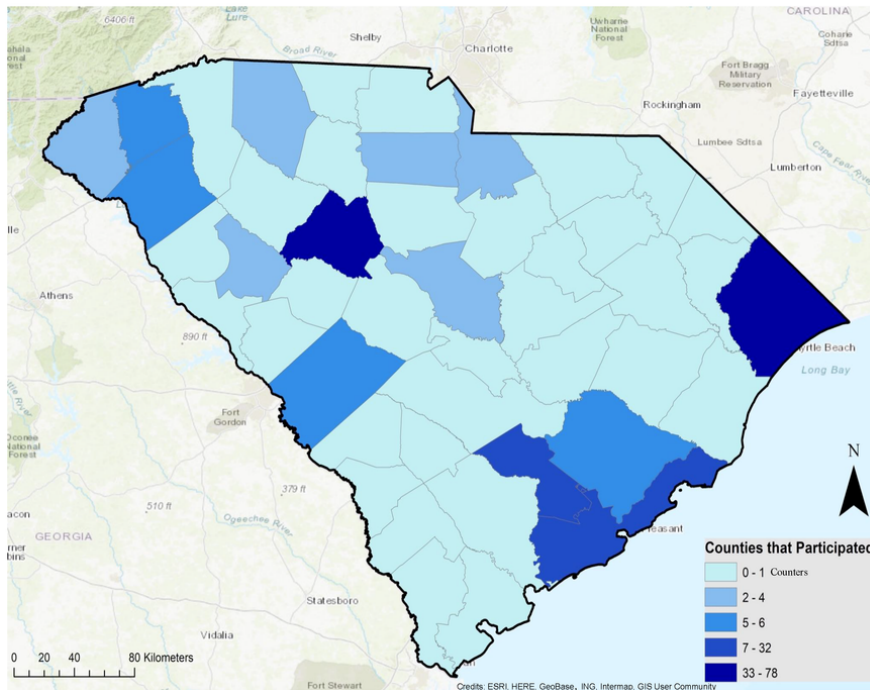


GREAT SOUTHEAST



Pollinator Census

The Great Southeast Pollinator Census South Carolina Count 2022



Total Counties: 17

Author: Whitney Richardson

Date: November 2022

Four Years of the Great Georgia Pollinator Census

	2019	2020	2021	2022
Carpenter Bees	11,066	4,435	2,282	15,270
Bumble Bees	13,517	8,989	23,250	21,182
Honey Bees	7,979	5,009	8,818	12,410
Small Bees	20,039	10,382	14,391	17,538
Wasps	15,151	8,001	10,828	10,964
Flies	14,555	11,588	12,115	14,537
Butterflies/Moths	29,692	18,564	16,502	22,847
Other Insects	19,845	14,127	17,557	24,754
TOTAL INSECTS	131,844	81,095	111,743	139,502
TOTAL COUNTERS	4,698	3,746	5,941	8,671
# Schools	136	69	75	72
# Ga Counties	134	125	116	120 (+17 in SC)
# Pollinator Gardens	897	525	436	309 (+5 in SC)



CONESTEE PARK POLLINATOR HABITAT DEMONSTRATION GARDEN

