

Bee Campus USA - Missouri State University

Report on 2023

Pollinator Habitat Creation & Enhancement

Please describe pollinator habitat creation or enhancement projects in your community in 2023, and whether your committee hosted them or not.

In the early spring Grounds Department took out some junipers in the median of our shuttle bus transit way. In the replacement of these junipers, we planted native and wildflowers. The bees and butterfly population exploded in this area once the project was completed.

How many habitat projects did you help to create or enhance in 2023?

5

How many people (staff, volunteers, students, partners, etc.) helped with those projects?

6

How many projects benefit monarchs, milkweed, or nectar plantings?

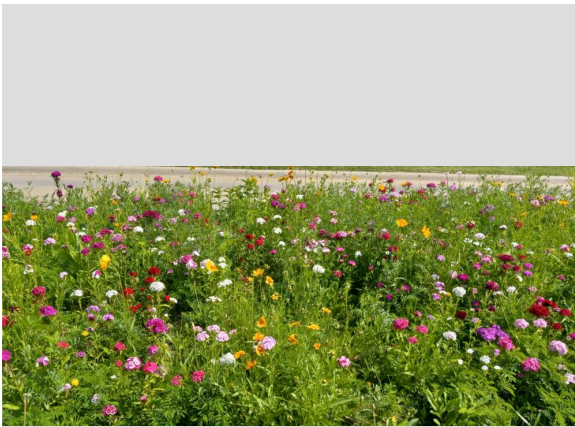
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How many total square feet of habitat were created or enhanced?

4245

Please check all that describe the habitats your affiliate helped to create or enhance last year with pollinator benefit in mind.

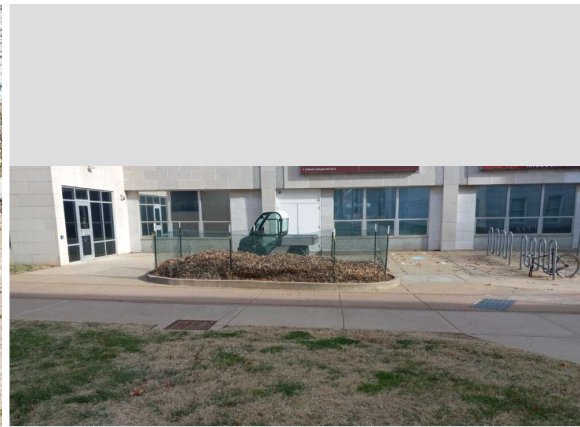
- Flower garden
- Orchard
- Natural area with tree snags and stumps, and bare areas for ground nesting species
- Meadow
- Pollinator-friendly lawn (with flowering clover, dandelions...)
- Native milkweed planting for monarchs and bees (where appropriate)
- Native pollinator-friendly tree planting
- Native pollinator-friendly shrub border/hedgerow planting



Wildflower planting in the median of our shuttle bus transit way.



Butterfly enjoying some of the coneflower plants there were planted in open areas in the parking lot this past summer.



Late fall we placed leaves in a flowerbed to create winter pollinator habitat. In the Springtime we will remove the leaves and plant pollinator flowers.

Education & Outreach

Please describe pollinator conservation events or outreach activities in your community in 2023, indicating whether your committee hosted them or not.

Grounds Department went into a college classroom and spoke with a group of students about some of the landscaping practices that we do on the campus. While speaking, we educated them on our practices of switching some of our flower beds over from annual flowers to perennials and native flower beds, while telling them the benefits of this switch.

How many pollinator-related events or outreach activities did you host or help with in 2023 (in total)?

7

How many people attended those events (in total)?

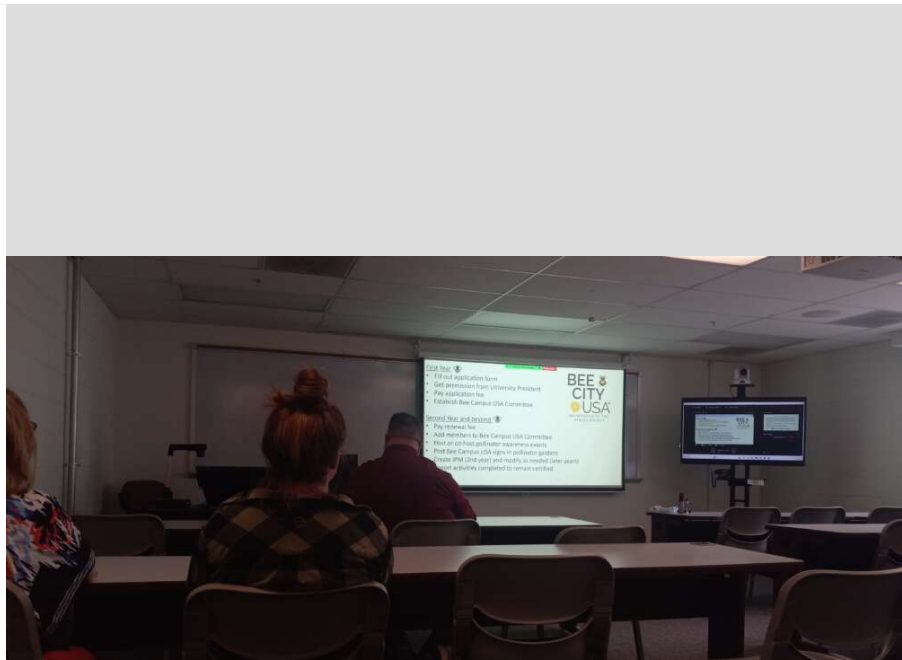
70

Number of temporary interpretive/educational/Bee Campus USA signs installed in 2023?

5



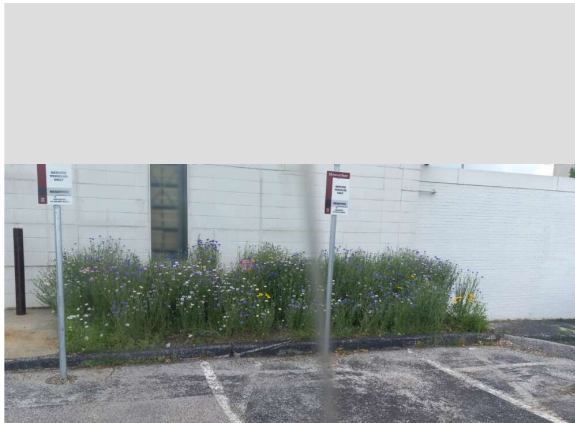
We had a high school class visit the campus, which we gave a tour of one of our pollinator areas. We discussed what flowers had been planted within the landscaping, what plantings had worked well for us, and what had not worked well. We discussed various landscaping schemes and what they might include within their landscaping. Their project was to take notes from our landscaping and take it back to their school and design their own landscaping project for the school. Some of their ideas would be incorporated in with the new school landscaping.



Gave a lecture to a college class and professors on what it takes to be a Bee Campus USA member. During the presentation we tried to recruit for other Bee Campus committee members.



This is one of the signs that we had made to display in our pollinator beds before we got the Xerces Society signs.



This is one of our pollinator beds in the midsummer.



One of pollinator beds in the late Summer with a mixture of flowers.

Curriculum, Continuing Education, & Service Learning

How many service-learning projects did your campus host and/or support to enhance pollinator habitat on- and off- campus?

3

How many students participated in service-learning projects in 2023 to enhance pollinator habitat on or off-campus?

50

Please describe the service-learning projects your students were engaged in 2023, indicating which, if any, were associated with a course.

High school students came to our campus to learn about some of the native and pollinator friendly plantings that we have done. We gave them a campus tour of some of the beds so that they could see and learn about them 1st hand. They had the assignment of going back to their school to draw up a landscaping plan for their school. One of the other projects that we do is twice a year we host a college class for a day to discuss the different landscaping designs here on the campus. One project that we host is with a group that comes through our area and we discuss about being about of Bee Campus USA and what it means to us and how we achieved being apart of it. While we have the group with us we also try to recruit other members to join.



♥ DONATE

MSU earns Bee Campus USA affiliate certification

By Emily Yeap

Published May 2, 2023 at 9:45 AM CDT

▶ LISTEN • 4:34



The program aims to help native pollinators.



KSMU
Science Friday



🔒 ksmu.org

Misty (Bee Campus Committee member), did a special segment on the University's local radio station discussing how the University became part of Bee Campus USA and what it meant to us. The local tv station also did a short news piece shortly after the radio airing.



Taught a college horticulture class for a day about the different native and pollinator plants that we use within our landscaping on the college campus.

Policies & Practices

Please describe actions taken to make pest management more pollinator-friendly.

We have converted more of our annual flower bed on campus to a more pollinator friendly bed plantings. We have also converted empty mulch beds to native planting beds on the campus. We are using chemicals on the campus when pollinators are not active, so that it will be less harmful to them. We are pulling more weeds instead of spraying them and when we do spray the weeds, we use a vinegar solution chemical instead of a glyphosate chemical. We mulch all of our beds in early Spring providing the pollinators a habitat.

In your city or campus, are any policy initiatives underway to further protect pollinators, people or waterways from pesticides?



We have in plans for next year to plant more pollinator friendly flower beds to help attract the pollinators and reduce pesticides. Also, we have started to plant pest host plants within some of our landscaping to attract the pest and keep off of our other plants.

Did your committee participate in any continuing education on ecologically-based Integrated Pest Management planning?
yes

Please check actions you have taken to make pest management practices more pollinator-friendly.

- Implemented or maintained a written IPM plan
- Sourced plants for city or campus grounds using “Buying Bee-Safe Plants” methods recommended by Xerces Society. (See <https://xerces.org/publications/fact-sheets/buying-bee-safe-plants>)
- Encouraged developers and private landscapers to source plants using “Buying Bee-Safe Plants” methods recommended by Xerces Society. (See <https://xerces.org/publications/fact-sheets/buying-bee-safe-plants>)



Bee Campus USA committee with Dr. Bledsoe, Jeff Chambers and Misty Webster.

Learn More

Integrated Pest Management Plan: [IPM Bee Campus USA.pdf](#)

Recommended Native Plant List: [Native Plant List.docx](#)

Recommended Native Plant Supplier List: [Native Plant Supplier.docx](#)

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