

Bee Campus USA - Juniata College

Report on 2022

Pollinator Habitat Creation & Enhancement

1. On campus, there is a rain garden that was created in the spring of 2022. The plant assemblage was less than ideal, so we cleaned it up. We removed aggressive yellow nutsedge and planted native plants such as swamp milkweed, rose mallow, blue lobelia, holly, and turtlehead. There were 9 attendees. 2. At Ecohouse's pollinator garden, we weeded out non-native plants and replenished dead plants. There were nine attendees. 3. On campus, there is a wetland between Ellis Hall and East Hall. It is invaded with an invasive thistle. Last spring, a small group of six volunteers helped Dr. Muth remove as much of it as possible. When surveyed later that summer, there was significantly less thistle present. 4. Interfaith Power and Light's Greg Williams is working to restore the habitat around Lower Trail. We helped with invasive removal and the planting of native trees and shrubs, many of which are pollinator friendly. There is a rotating cast of volunteers throughout the year with some regulars. 5 & 6. On two different private properties, we helped the landowners remove invasive species such as Japanese barberry and we plant native trees and shrubs. 7. Last fall, we had 18 students help us construct bee hotels for solitary bees. Some of the bee hotels will be placed around campus this March, and others will go to individual's homes.

How many habitat projects did you help to create or enhance last year?

7

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

10000

How many volunteers helped with those projects?

20

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

- Flower garden
- Native milkweed planting for monarchs and bees (where appropriate)
- Invasive/exotic plant species removal for habitat improvement
- Native pollinator-friendly tree planting
- Rain garden/bioswale

- Other



Education & Outreach

Last semester, we had a pollinator week. Every day was focused on a type of pollinator, and we had an activity associated with it. On Monday, we had moth night where we caught and identified moths. On Tuesday, we made beetle buttons and had beetle fact posters. On Wednesday, we had butterfly trivia. On Thursday, we had a guest speaker talk about white-nose syndrome in PA bats and pollinator bats in the US before we made origami bats. On Friday we showed a documentary about pollinators. In November, the Huntingdon community had an art walk. We had a table where people could make origami pollinators and learn about them.

How many pollinator-related events did your affiliate host or help with last year (in total)?

6

How many people attended those events (in total)?

40



A student observes a moth at our "Moth Night" event.



Julie Mibroda presents on pollinator bats and Pennsylvania bat conservation for "Bat Night."

Courses & Continuing Education

Many of our biology and environmental science courses contain information on pollinators. Most of these courses contain a section that describes pollinator biology, the relationship between plants and pollinators, organizations (both governmental and non-governmental) that regulate pollinators and pollinator projects, and/or impacts on pollinators.

How many of your for-credit courses included pollinator-related information last year?

10

How many students attended those for-credit courses?

150

How many of your continuing education courses included pollinator-related information last year?

How many participants attended those courses?

Service-Learning

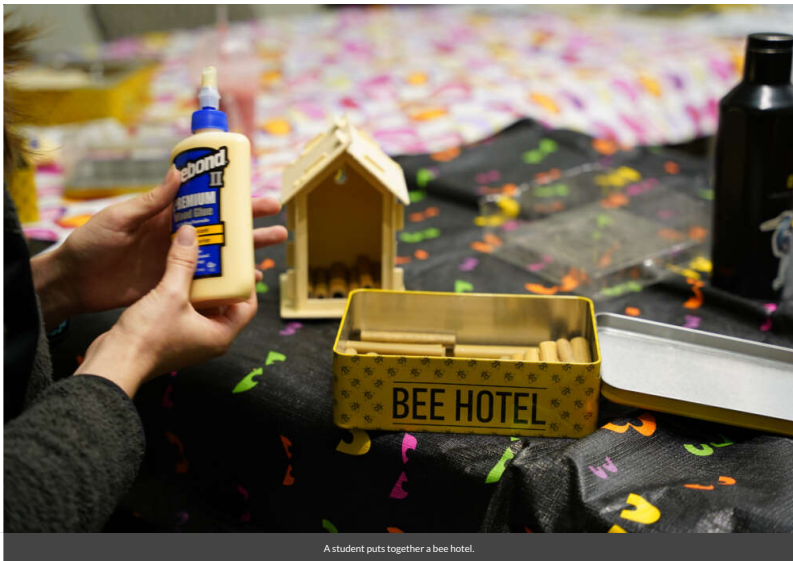
Last fall, we had 18 students help us construct bee hotels for solitary bees. We explained what they were for, and taught them how to put them together. Some of the bee hotels will be placed around campus this March and others will go to individual's homes.

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

1

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

18



Educational Signage

There is a permanent Bee Campus USA sign located at the Ecohouse Pollinator Garden. We are hoping to install another sign at the rain garden this year.

Number of permanent interpretive/educational/Bee Campus USA signs installed to date?

1

Number of temporary interpretive/educational/Bee Campus USA signs installed last year?



Policies & Practices

Juniata College continues to use pesticides infrequently in general. Campus facilities staff are aware of sensitive times for local wildlife and have factored this into vegetation maintenance plans. Invasive weed removals on campus and regional public property has been accomplished without the use of pesticides.

What actions have you taken to make pest management practices more pollinator-friendly?

- Implemented or maintained a written IPM plan
- Avoided use of pesticides in public sites containing designated pollinator habitat or other sensitive features (except when targeted use is deemed the best option for invasive or noxious weed, insect or disease management)
- Implemented non-chemical pest prevention and management methods on city or campus grounds

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

Please describe actions by your affiliate to attend training on ecologically-based Integrated Pest Management and/or to review IPM plans and programs considered of high quality by Bee City USA?

Our IPM manager is seeking workshops and presentations on ecologically-based IPM as part of his continuing credit process.

Integrated Pest Management Plan: [IPM for Juniata College.pdf](#)

Recommended Native Plant List: [Juniata College Plant List for Bee Campus.xlsx](#)

<https://docs.google.com/spreadsheets/d/1bpACyXLTaFEsTpgjIHBCZ9Y3EslYBfFhlg827h9u7l/edit?usp=sharing>

Recommended Native Plant Supplier List: [Native Seed Suppliers Juniata College.pdf](#)

https://docs.google.com/document/d/1yM8-8T_P17wk02Th3yiSp_l_wxEeO3dD2_Y34fwrOTg/edit?usp=sharing

Learn More

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