



Bee Campus USA Annual Report Pollinator Conservation & Education 2019



Susquehanna University Selinsgrove, Pennsylvania

EDUCATION & OUTREACH



The Susquehanna University Beekeeping Club hosted a tent at the local Selinsgrove Farmer's Market to raise awareness about bees and how to keep them.



A wide array of promotional materials are shared with interested parties about the value of bees, the struggles they're facing, the life cycle of bees, their communication methods, and how they make honey.

Selinsgrove Farmer's Market Beekeeping Table - July 27th, 2019

Susquehanna University Student Organization Fair, Beekeeping Table - Sept. 10th, 2019

Susquehanna University Student Organization Fair, Beekeeping Table - Jan. 29th, 2020

Sustainable Food Fair, Beekeeping Table - Feb. 10th, 2020

Perspectives Student Fair, Beekeeping Table - Feb. 17th, 2020

The pictures shared were from only one event but subsequent events brought the same materials and tools.



An exhibition case provides participants with an up close look at bees and their honeycomb. Samples of honey made on campus were given out to participants as well.



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POLLINATOR HEALTH & HABITAT



Wildflowers were planted behind the SU Admissions building to add visual interest to the area and to provide a food source for pollinators.



Right in the heart of campus, an herb garden planted with herbs mentioned in Shakespeare's literature provides a respite for pollinators.



Wildflowers were planted along the driveway leading into the SU campus garden which is also where the SU beehives are located, providing extra food for our pollinators.

Shakespearean Edible Garden - an old raised garden plot between our library and a residence hall was converted into an herb garden from herbs mentioned in Shakespeare's literature. Volunteers from the library and the class of 2022 came together on June 6th, 2019.

SU Campus Garden Wildflowers - wildflowers were planted along the driveway leading to our campus garden. The SU beehives are located near the campus garden so this provided a source of food for our bees throughout the summer and into the fall. The wildflowers were planted on June 1st, 2019.

Admissions Building Wildflowers - wildflowers were planted behind our Admissions building to provide additional food for pollinators on campus. The wild flowers were planted June 1st, 2019.

SERVICE LEARNING



Students use SU as a living learning lab as much as possible. Here a group of Beekeeping Club students are collecting a swarm of bees found on campus to create a new hive.



The Beekeeping Club has winterized the hives to protect them from the elements to keep our bees nice and cozy throughout the winter months.

The SU Beekeeping Club is a year-long service project to protect and raise awareness about pollinators. The club is open to any SU student but has about 25 active students in the past year. The Beekeeping Club is responsible for the beehives on campus, maintaining them, winterizing them, troubleshooting when issues arrive, and of course, collecting (a sustainable amount) of honey! They learn how to keep bees and share this information with our campus throughout the year. They have a weekly meeting where they plan their work with the bees.

CURRICULUM & CONTINUING EDUCATION

This is on our to-do list for 2020.

EDUCATIONAL & INTERPRETIVE SIGNAGE

TO BEE OR NOT TO BEE?

Honey bees are facing challenges such as *habitat loss, viruses, parasites, diseases, and nutrition*

FACTS ABOUT BEES

20,000 species of bees exist worldwide



\$20 BILLION economic contribution from honey bees

1/3 of the world's food crops rely on pollination

FACTS ABOUT SUSQUEHANNA

3 flourishing beehives can be found on campus



60,000 honey bees live within each hive

4 gallons of honey produced on campus in 2018

HOW ARE WE HELPING?

1st Bee Campus USA affiliate in Pennsylvania



50 pounds of wildflower seeds planted in 2018

80% of our grounds **DO NOT** receive regular insecticide treatments

This infographic is one of the materials used during Beekeeping Club tabling events along with others about the life cycle of bees and their communication methods.



Above recycling centers in our student center, a Sustainability Corner was added to highlight sustainable attributes of campus. Bee Campus USA and our beehives have their own section.

Sustainability Wall - in our student center, we've created 2 sustainability corners built in above recycling centers. There is a specific section that talks about Bee Campus USA and our beehives on campus. These are permanent signs.

Infographics for bees and other educational elements of bees have been made and are on display during all Beekeeping Tabling events (5 events listed in previous section).

POLICIES & PRACTICES

This past year, we've been working on the development of our IPM. On 2/21/20 our Facilities Director gave the go-ahead with the IPM. This was a year-long process with the Sustainability Coordinator working with Facilities Management to craft a policy that is both aspirational and pragmatic. In addition, the 87 acres of our Center for Environmental Education and Research property, receives no regular treatments of pollinator threatening chemicals, with the exception for around the foundation of one building on the property. Other low-visibility areas of campus also receive little to no regular treatments of harmful chemicals.

Recommended Locally Native Plant Species List —

<https://www.susqu.edu/campus-life/our-campus-and-location/sustainability/sustainability-initiatives#bee>

Regional Native Plant Supplier List —

<https://www.susqu.edu/campus-life/our-campus-and-location/sustainability/sustainability-initiatives#bee>

Pollinator Friendly Integrated Pest Management Plan — Our IPM was just approved by the Director of Facilities on 2/21/20 and we are working on adding this to our website, in the same spot as the native plant list.

CONTACT US!

Committee — Bee Campus USA Subcommittee, Derek Martin

Website — <https://www.susqu.edu/campus-life/our-campus-and-location/sustainability>

Social Media — not available