

Bee Campus USA - Southwestern University

Report on 2021

Pollinator Habitat Creation & Enhancement

Pollinator Garden Planting (27,830 sq ft): Sustainability Ambassadors hosted a pollinator garden planting day during Campus Sustainability Week using native flowers. 10/30/2021 – 5 volunteers
Oak Tree Planting (1,070 sq ft): For National Arbor Day, Facilities Management led a tree planting event. Two native Oak trees were planted in between the campus chapel and student center. Native oak trees support pollinators by providing winter shelter and habitat.
4/30/2021 – 9 volunteers



Students planted native, pollinator-friendly flowers in the raised garden beds in the Southwestern Community Garden. (Southwestern University, Emma McCandless)



Education & Outreach

SoundSustainability Episode 21: Bee-ing Sustainable with Walker Honey Farm – Sustainability Ambassadors hosted Blake Butler, the Chief Operations Officer of Walker Honey Farm, LLC on the campus sustainability podcast to discuss bees/pollinators, the struggles bees are facing, and what efforts are being made to preserve their populations. Nature Walk – A small group of Sustainability Ambassadors took students on a pre-planned walk-in campus' grounds, pointing out the different flora and evidence of fauna present. This included explaining how some of the plants on campus were better for pollinators than others, and which pollinators benefited from different plants. TrueHarvest Farms Field Trip – SU Dining Services hosted a field trip to TrueHarvest Farms in Belton, TX where students learned about TrueHarvest's unique organic pest-control program that utilizes insects to control pest populations, which is far safer for pollinators than many organic pesticides. Pollinator Garden Planting – Sustainability Ambassadors hosted a pollinator garden planting day during Campus Sustainability Week using native flowers.





SU Dining Services hosted a field trip to TrueHarvest Farms in Belton, TX. (Southwestern University, Darcy Hansen)

Courses & Continuing Education

Fall 2021 – Conservation Biology (Dr. Romi Burks; For-Credit; 8 students): This course provides a survey of the field of conservation biology through global and local conservation case studies, including threats to biodiversity, solutions to conservation problems, and protection of endangered species. Fall 2021 – Chemistry of the Environment (Dr. Emily Niemeyer; For-Credit; 18 students): This course provides an overview of basic chemical principles and their importance in understanding the complexities of our natural environment. Major topics include atmospheric and aquatic chemistry, energy production and usage, and principles of toxicology. Fall 2021 – Environmental Science (Dr. Jennie DeMarco; For-Credit; 12 students): This course covers the principles and methods of environmental science and how to use scientific knowledge to inform land management, policy, and education decisions. Major topics include how science communication



influences public perspectives and policies, the importance of applying ecological and social approaches to environmental management, and the practice of science in environmental management.

Service-Learning

SU Community Garden: The campus garden is a place for students, faculty, and staff to learn about natural gardening practices. Frequent garden workdays and workshops provide the opportunity for SU community members to learn about the importance of pollinators. Native Planting Events: Students helped plant a pollinator garden during Campus Sustainability Week and plant two oak trees for National Arbor Day.



Students and Facilities Staff planted two native oak trees on campus on National Arbor Day. (Southwestern University, Veronica Johnson)



Educational Signage

No new signs were installed last year. An educational map of all our Bee Campus USA signage is available on Southwestern' Bee Campus USA webpage.

Policies & Practices

Southwestern University maintained a written IPM plan.

Integrated Pest Management Plan:

<https://www.southwestern.edu/live/files/8691-integrated-pest-management>

Recommended Native Plant List:

<https://www.southwestern.edu/live/files/8692-native-plant-list>

Recommended Native Plant Supplier List:

<https://www.plance.org/>

Learn More

<https://www.southwestern.edu/about-southwestern/sustainability/recognition-and-reports/bee-campus-usa/johnsonv@southwestern.edu>

<https://www.facebook.com/su.sustain>

<https://www.instagram.com/su.sustain>

https://www.twitter.com/sustain_su

