

Bee Campus USA - The University of Texas at Dallas

Report on 2020

Pollinator Habitat Creation & Enhancement

1. Monarch Waystation Milkweed Planting 9/20/20 – 7 volunteers planted 100+ tropical milkweed plants to support monarch pollinations during the October and April migrations. 2. Sustainability Service Honor Pollinator Garden 5/1/20 – An established on-campus pollinator garden was enhanced and enlarged with more pollinative plants to celebrate the achievement and service of 12 honorees. 3. Community Garden 6/18/2020 – Pollinator areas were enhanced with educational signage adorned with QR codes that link to Ladybird Johnson Wildflower Center wildflower information. 4. Roadside wildflower seeding 9/24/2020 – Three roadside areas set aside for pollinator habitat after UT Dallas earned the Project GREEN Grant.





Volunteers plant milkweed ahead of monarch migration, enhancing campus pollinator area.

Education & Outreach

National Butterfly Day Crafting Workshop: A tabling event to raise awareness and engage students with pollinator issues and UTD's pollinator conservation efforts. There are three tables one for Pom-Pom Bee Making, One for Paper Wildflower Making, and one for Monarch vs. Viceroy's. On the Pom-Pom Bee Making table, there are supplies to make a Pom-Pom bee as well as information about the Bee Campus USA program and the efforts through that. There is also a Paper Wildflower Making table with supplies to make paper flowers out of scrap paper with information about the



importance of native plants and wildflowers. Finally, there is the Monarch vs. Viceroy Table with giveaways for those who can find the viceroys and then information about the difference between the two and the monarch migration. At 1 o'clock, there is a walking tour to the monarch waystation to raise awareness of the monarch migration efforts on campus. 3 Bee Balcony Workshops: This program focuses on educating and engaging students regarding pollinator health, including bees, moths, butterflies, etc., by providing education on home gardening and by providing information on starting and maintaining home gardens. Covering topics such as creating upcycled planters, utilizing native pollinator plants, and taking care of seedlings, students learn how to engage individual sustainability activities. Overall, the events cover the importance of native plants and biodiversity. Throughout the discussion, issues of pollinator health were emphasized as well as options for students to be engaged on campus and in their personal life. This program encourages students to plant native plants and understand more about the relationship between pollinators and the environment. This program will also help to develop student's individual environmental efficacy. ☐ First event--Creation of upcycled planters and sustainable planter sourcing, how to select seeds, pollinator specific plants, etc. How to get trustworthy seeds online (because of COVID) or where to buy them in person. Basic planting. ☐ Second event--Planting things that need to be germinated first, bulbs, etc. Other types of larger container planting. Maintenance and care of seedlings as they grow, how often to water, etc. ☐ Third event--continued maintenance (deadheading, etc.), information about pollinators and pollinator plants, how to protect plants from frost and winter.

Courses & Continuing Education

UT Dallas offers two different courses relating to pollinator health and habitat. For Collegium V honors students, students can take HONS 3199.HN1 – Honey Bees and Society, which discusses the bee biology, the colony, and beekeeping, taught by Dr. Scott Rippel and Dr. Christina Thompson. Biology majors can take BIOL 3388 – Honey Bee Biology which covers honey bee anatomy, nest architecture, caste development and social organization, reproduction and genetic diversity, pheromones and communication, foraging behavior, colony reproduction, pest and disease management, and basic beekeeping taught by Dr. Scott Rippel.





Dr. Rippl and students installing bee boxes on UTD Campus

Service-Learning

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Balcony Workshops: This program focuses on educating and engaging students regarding pollinator health, including bees, moths, butterflies, etc., by providing education on home gardening and by providing information on starting and maintaining home gardens. Covering topics such as creating upcycled planters, utilizing native pollinator plants, and taking care of seedlings, students learn how to engage individual sustainability activities. Overall, the events cover the importance of native plants and biodiversity. Throughout the discussion, issues of pollinator health were emphasized as well as options for students to be engaged on campus and in their personal life. This program encourages students to plant native plants and understand more about the relationship between pollinators and the environment. This program will also help to develop student's individual environmental efficacy. ☑ First event--Creation of upcycled planters and sustainable planter sourcing, how to select seeds, pollinator specific plants, etc. How to get trustworthy seeds online (because of COVID) or where to buy them in person. Basic planting. ☑ Second event--Planting things that need to be germinated first, bulbs, etc. Other types of larger container planting. Maintenance and care of seedlings as they grow, how often to water, etc. ☑ Third event--continued maintenance (deadheading, etc.), information about pollinators and pollinator plants, how to protect plants from frost and winter.

Educational Signage

These signs include information about the plant, the scientific name, and a QR code linking to the Ladybird Johnson Wildlife Center to provide detailed information to the students.





Common Sunflower

Helianthus annuus

The common sunflower is especially attractive to bees and birds. It serves as an important resource for pollinators, because it blooms in late summer and early fall when there is little else blooming.



Scan for more info
about this plant from:
**Ladybird
Johnson
Wildflower
Center**



Example of signage educating about pollinator friendly plants.

Policies & Practices

Maintained IPM

Integrated Pest Management Plan:

Recommended Native Plant List:



Recommended Native Plant Supplier List:

Learn More

<https://sustainability.utdallas.edu/campus/bees/>

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