

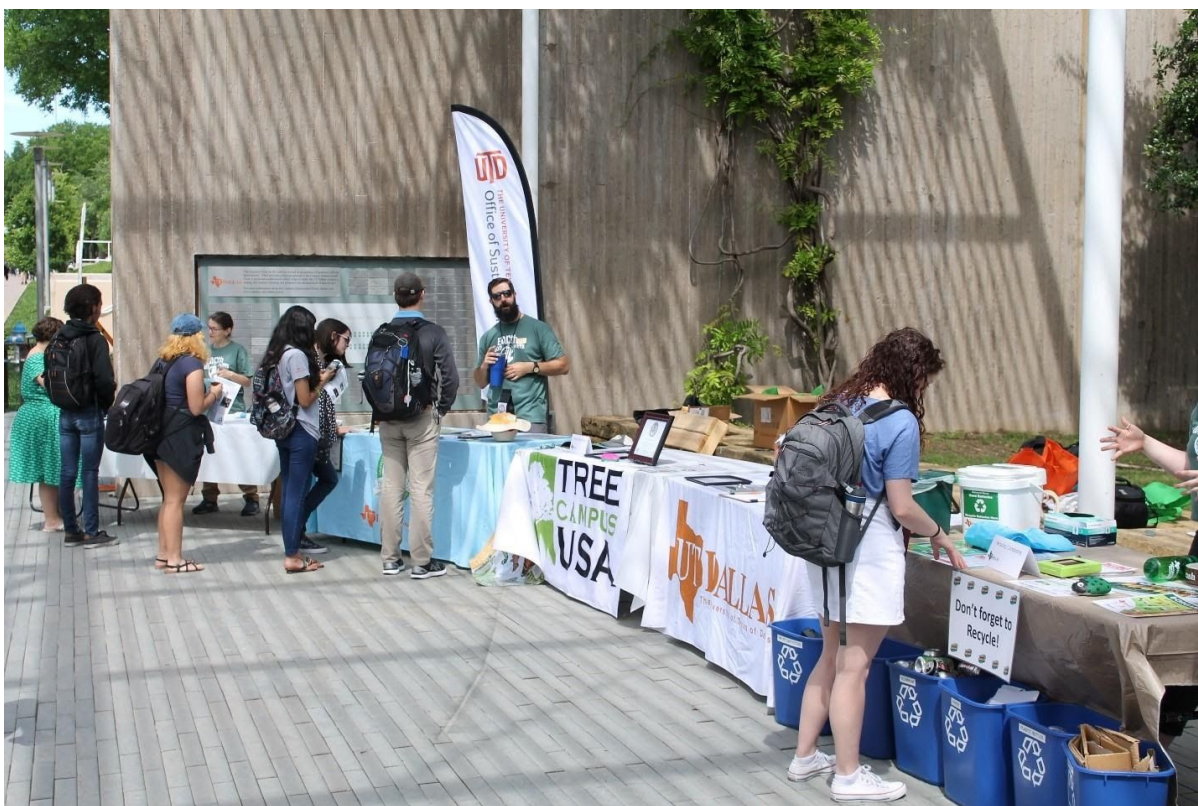


# Bee Campus USA Annual Report Pollinator Conservation & Education 2019



## University of Texas at Dallas Richardson, Texas

### EDUCATION & OUTREACH



Students engage with a variety of tables related to sustainability at the plinth.

Lunch Lecture to Honors College (May 3rd, Nov 22nd) – Dr. Scott Rippel talked to the Collegium V Honors Program regarding pollinator health and the apiaries on campus.

Earth Week Festival (April 22 to 26th) – Students learned about the various facets of sustainability at UT Dallas and interacted with organizations engaging with environmental and sustainability awareness.

Pop-Up Farmer's Markets (February 12th, March 12th, April 25th, October 8th, November 12th) – The Dining Hall held farmer's markets for students to purchase fresh fruits and vegetables.

# POLLINATOR HEALTH & HABITAT



A monarch butterfly sits on a milkweed plant in the Monarch Waystation.



A student waters a plot in the community garden.

Transition to Lantana (April 11th – 12th, 6 staff) – Grounds employees planted 1530 Lantana horrida flowers at a high-visibility entry point on campus which is traditionally planted with traditional UTD colors. This location is often close to large events and graduations. This transition signals UT Dallas' embrace of pollinator plantings.

Sustainability Service Honors Pollinator Garden (May 6th, 8 volunteers) – Students who earned the Sustainability Service Honors established a native plant Pollinator Garden and certified monarch waystation on the East side of McDermott Library to recognize the graduating students for their service and for them to leave a sustainable fingerprint as they leave. They installed 125 plants into a 25' x 25' area. As future Sustainability Service Honors students graduate, they will help expand the garden to an eventual size of 4,000 ft squared.

Viva Volunteer Honey Helpers (October 26th, 9 volunteers) – Students mulched, scraped, and painted hives at the apiaries as part of Viva Volunteer, an annual campus-wide service learning event on Make a Difference Day.

Viva Volunteer Tree Planting (October 26th, 16 volunteers) – Volunteers assisted in planting 6 native Red Oak trees lining a frequently traveled walkway at one of the main entry points to the university as part of Viva Volunteer, an annual campus-wide service learning event on Make a Difference Day.

Butterfly Flutterby (April 26th, June 4th, September 7th, 43 volunteers) – Students planted 700 milkweed to maintain and enhance the monarch waystation located in the Blackland Prairie Restoration Area. UT Dallas sits in the path of the monarch migration and has four monarch waystations promoting pollinator health.

Community Garden – Students planted, weeded, harvested, and performed other upkeep tasks in maintenance of the community garden. Food from the community garden is either taken home by the gardeners or it is donated to the Jewish Family Services food pantry and the Network of Community Ministries, Inc. food pantry.

January 18th, February 15th, 26th, September 6th – Orientation (33 volunteers)  
January 26th, February 23rd, March 30th, April 22nd, May 4th, June 1st, 22nd, July 20th, August 10th,  
September 14th, October 19th, November 16th, December 7th – Workday (353 volunteers)  
May 21st, June 12th, September 24th, October 4th – Garden Upkeep (63 volunteers)  
April 4th – Seed Packing Party (17 volunteers)  
October 4th – Garden Upkeep (17 volunteers)  
December 19th – Harvest Party (11 volunteers)

## SERVICE LEARNING



Four students plant native two caliper Red Oak trees on campus.



Two students pose with a newly planted milkweed plant at the Monarch Waystation.

Bee Hive Installs (April 23rd, 25th, 36 volunteers) – Students from the pollinator courses and select volunteers assisted Dr. Rippel in installing 5 new beehives in the campus apiaries.

Bio Blitz (April 26th, 39 volunteers) – Students used the iNaturalist app to identify species on campus, particularly in the Blackland Prairie Restoration Area. This data collection contributed to UT Dallas' biodiversity assessment for the STARS report to AASHE. UT Dallas also contributed to the iNaturalist City Nature Challenge for citizen science in which Dallas/Fort Worth placed 2nd.

Bio Blitz 2 (September 25th, 20 volunteers) – Students taking the HIST 3327 Perspectives on Science class used the iNaturalist app to identify species on campus while learning about sustainability. This data collection contributed to UT Dallas' biodiversity assessment for the STARS report to AASHE.

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## CURRICULUM & CONTINUING EDUCATION



Dr. Rippel and his students install a new hive in the apiary during Earth Week.

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.

## EDUCATIONAL & INTERPRETIVE SIGNAGE

UT Dallas has developed the informational signage which has been ordered. They will be placed in the pollinator garden in 2020.

Signs have been drafted to be placed in the pollinator gardens. 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.



The image shows an educational sign for the Common Sunflower. On the left is a photograph of a bright yellow sunflower in bloom. To the right of the photo, the title "Common Sunflower" is written in a large, green, sans-serif font. Below the title, the scientific name "Helianthus annuus" is written in a smaller, italicized font. A paragraph of text describes the sunflower's value to pollinators. At the bottom of the sign, there are three elements: the UT Dallas Office of Sustainability logo, a QR code, and the Ladybird Johnson Wildlife Center logo. The QR code is intended to be scanned for more information.

**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.

UT DALLAS  
Office of Sustainability

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

Bee Campus USA  
Campus #114

Educational sign containing information regarding the Common Sunflower.

## POLICIES & PRACTICES

UT Dallas has implemented an Integrated Pest Management Plan covering all 450 acres of campus.

**Recommended Locally Native Plant Species List —**

[https://www.utdallas.edu/sustainability/download/Bee\\_Campus\\_USA\\_PREFERRED\\_Plant\\_List.xlsx](https://www.utdallas.edu/sustainability/download/Bee_Campus_USA_PREFERRED_Plant_List.xlsx)

**Regional Native Plant Supplier List —** Not yet developed

**Pollinator Friendly Integrated Pest Management Plan —**

[https://www.utdallas.edu/sustainability/download/Integrated\\_Pest\\_Management\\_Plan.pdf](https://www.utdallas.edu/sustainability/download/Integrated_Pest_Management_Plan.pdf)

## CONTACT US!

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