

# Bee Campus USA - Indiana University - Purdue University Indianapolis

Report on 2022



## Pollinator Habitat Creation & Enhancement

Maintained all pollinator habitats currently on campus as part of normal campus landscape management practices. A new native landscape was installed in and around the North Ball Courtyard. Replacement of beds around the Nursing School with natives and flowering plants. Removed 50+ Invasive Callery Pear trees from campus, replacing them with natives. Through the funding of the "Greening IUPUI Grant" a central garden renovation and restoration took place this year.

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

6

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

6500

*How many volunteers helped with those projects?*

10

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

- Vegetable garden
- Invasive/exotic plant species removal for habitat improvement
- Native pollinator-friendly tree planting
- School garden
- Other

## IUPUI replacing invasive trees with native ones

By Teresa Mackin June 13, 2022



IUPUI will remove dozens of invasive Callery pear trees on campus this summer and replace them with trees found naturally in Indiana. Crews will begin to remove the invasive trees this week, and shortly after that, crews will be back to plant new ones. Last year, the campus removed and replaced about 30 trees, with plans to continue over the next several years until they're completely replaced.



Location: North Hall Courtyard

**Contact Info:**  
IUPUI Sustainability  
sustindy@iupui.edu



### North Hall Native Planting - Morning Session

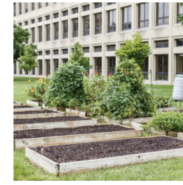
Roll up your sleeves and help beautify the North Hall courtyard with a native planting!

Volunteer your time to plant a native garden in the North Hall courtyard, where beautiful native plants and flowers can be enjoyed by our campus community and pollinators alike! Snacks will be provided.

There will be two planting sessions - one in the morning (10am - 12pm) and afternoon (1 - 3pm). **RSVP here to volunteer for the morning session!**

APRIL 15, 2022

9:00 AM - 5:00 PM / IUPUI CENTRAL GARDEN



### Central Garden Restoration

Come lend a hand as we completely gut and rebuild the Central Garden!

We will be tearing down the old dilapidated raised garden beds and installing new ones. We'll work from 9am to 5pm (or until we finish), with an hour break at noon. Lunch, snacks, drinks, and plenty of breaks will be provided!

North Hall Native Planting(2022): In the North Campus Courtyard, IUPUI Sustainability and CFS along with a handful of volunteers planted 1246 native shrubs, perennials, and grass to help promote native wildlife and pollinators.

Central Garden Renovation(2022): IUPUI's Central Garden that supplies produce to the campus dining hall was renovated to include more growing space for vegetables to be used on campus for dining services.

## Education & Outreach

In 2022, IUPUI's Office of Sustainability hosted a range of education and outreach events that were beneficial to pollinators. These events included our 10th annual arbor day celebration, student led garden workdays, tree assessment workshops, and multiple "Meet the Bees" Beekeeper's Club events.

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

9

*How many people attended those events (in total)?*

60

IUPUI Sustainability  
July 21, 2022

Join us on campus for a hands-on tree identification and assessment workshop. IUPUI Sustainability's Green Infrastructure Intern, Jack Paddock, will teach you how to ID, measure, and assess a tree's health, then inventory the information into GIS. Once you're ready, you will try your hand at it!

Space limited, so register ASAP: <https://events.iu.edu/sustainabilityiupui/>



Tree Identification and Assessment Workshop: IUPUI Sustainability's Green Infrastructure Intern, Jack Paddock, taught volunteers how to ID, measure, and assess a campus tree's health, then inventory the information into GIS.

IUPUI Sustainability  
April 8, 2022

Big thanks to everyone who came out to the Cesar Chavez Garden Workday!!  
If you'd like to volunteer in the IUPUI gardens, be sure to follow on Facebook and Instagram (@iupuigardens) to get the latest on garden happenings.



IUPUI Garden Volunteer Days (weekly during the growing season): IUPUI Garden Volunteer Days take place every Tuesday from 9-11 am, where Garden Managers lead volunteers in planting, maintaining, and harvesting the New York Street Garden on campus. This year round gardening effort provides campus affiliates with fresh produce to take home.



Arbor Day (04/29): IUPUI celebrated Arbor Day by organizing tree plantings. In collaboration with event partners such as IUPUI Sustainability, IUPUI Grounds, and Keep Indianapolis Beautiful, the 10-year celebration of Tree Campus Higher Ed recognition included 15 native trees being planted (including Catalpa, as well as Eastern Canadian Redbud, Black Gum, and Yellowwood in Magnolia Courtyard).

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## Courses & Continuing Education

**Urban and Suburban Gardening:** Course is intended for both biology and non-biology majors. Designed to expand understanding of the science and techniques of gardening with emphasis on healthy soil and its impact on plant growth. After completing the course, students will be able to describe what makes plants grow and what makes plants grow healthy. No gardening experience is required. **Wildflowers and Ferns of Indiana Forests:** This course will focus on spring wildflowers and other plants that occur in the various forest types in Indiana. At the end of the course, students are expected to be proficient in identifying by both common and botanical names up to 75 forest plants. In addition, they will learn nomenclature, basic taxonomic classification, and how to use simple dichotomous keys. Students will also become familiar with the natural regions of Indiana, natural community types, and natural history information of select plant species. Typically offered Spring.

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

**2**

*How many students attended those for-credit courses?*

**40**

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## Service-Learning

In 2022, students at IUPUI participated in a range of Service Learning events that were beneficial to pollinators. These events included removing invasive species, collecting native seeds, surveying trees, and cleaning up trash in the Indianapolis area. Some volunteers were encouraged to participate by their professors for extra credit or as a homework assignment. These efforts helped create a more pollinator-friendly environment and contributed to a healthy and sustainable ecosystem.

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


**23**

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

**419**

**Center for Earth and Environmental Science at IUPUI**  
August 18, 2022


Bridge Week Service Learning continues at the ARBOR!  
Greg Druschel & Gabe Filippelli's Bridge class spent a morning removing Bush Honeysuckle, an invasive species growing in abundance in the Lilly ARBOR.  
The Lilly ARBOR, a riparian forest located adjacent to campus on the east bank of the White River, is a long-term restoration project initiated by the Center for Earth and Environmental Science in 2000. As the trees that make up the forest have grown over the years, they h... [See more](#)



IUPUI Bridge students remove invasive Bush Honeysuckle from Lilly ARBOR, creating space for native plant species to thrive and preserve the forest ecosystem.

**Center for Earth and Environmental Science at IUPUI**  
September 16, 2022


The days are growing shorter . . . . the autumnal equinox is almost upon us . . . . so it must be time for CEES Service Learning - Fall edition!  
First project for the semester: IUPUI Campus Tree Survey!  
Students gathered on the west side of campus to survey and inventory trees near the Riverwalk Apartments. Students measured tree diameter and height, and assessed the health of trees. Data collected allows IUPUI staff to evaluate tree condition, determine growth rates (each ... [See more](#)



IUPUI students survey and assess the health of campus trees, which provide numerous benefits such as reducing air pollutants, serving as wildlife habitat, and improving human health. The survey contributes to tree management efforts and promotes a better understanding of campus tree diversity.

**Center for Earth and Environmental Science at IUPUI**  
November 6, 2022

Sometimes, you just have to roll with the weather . . . .  
A combination of rain and (extremely) high winds made for less-than-ideal (if not outright dangerous) conditions on Saturday, so a rescheduling of the Day of the Dead-heading service event to its planned raindate (Sunday) was put into effect.  
And effective it was!  
We could not have asked for better weather. Sunday was a picture perfect autumn day: sunny, blue skies, gentle breezes, and neither too warm nor too cool. Excellent weather for a little ecological restoration!  
Students gathered at the Monarch Sanctuary (aka Urban Wilderness Trail Grassland Zone) to collect seed from the many wildflowers growing in the area. After receiving instructions and equipment, dead-heading commenced with vigor.  
Wildflowers were found. Plants were dead-headed. Bags were filled with seed. Seed was scattered. Donuts and cider were enjoyed. Restoration of a degraded landscape occurred. A good time was (hopefully) had by all.



IUPUI's Day of the Dead heading service event was held on a perfect autumn day. Students gathered at the Monarch Sanctuary to collect wildflower seeds, dead head plants, and restore the degraded landscape.

## Educational Signage

No additional signage was added last year.

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

2



Signage has been posted near our beehives in the New York Street Garden



Signage has been posted near our beehives in the New York Street Garden

## Policies & Practices

The 'Tree/Bee Advisory Committee' meets regularly to discuss topics related to the urban canopy, pollinators, and native plantings for both Bee Campus USA and Tree Campus USA. The committee comprises students, staff, faculty, nonprofit

organizations, and community members. They discuss the impacts of landscaping policies and collaborate on the best strategies for the campus moving forward.

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

- Implemented or maintained a written IPM plan
- Eliminated use of neonicotinoid insecticides on city or campus grounds
- Dropped pesticide use altogether on city or campus grounds

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

N/A

*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?*

IUPUI's Grounds and Sustainability staff regularly engage in professional development and training opportunities around sustainable landscape practices.

Integrated Pest Management Plan: [IPM Policy IUPUI.pdf](#)

Recommended Native Plant List: [IUPUI Tree Care Plan - 2018 Complete \(1\).pdf](#)

Recommended Native Plant Supplier List: [IUPUI Tree Care Plan - 2018 Complete \(1\).pdf](#)

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Learn More

<https://sustainability.iupui.edu/operations/grounds/index.html>  
[sustindy@iupui.edu](mailto:sustindy@iupui.edu)

<https://www.facebook.com/IUPUISustain/>  
<https://www.instagram.com/iupuisustain/?hl=en>