

Bee Campus USA - Indiana University - Purdue University Indianapolis

Report on 2021

Pollinator Habitat Creation & Enhancement

-Pollinator Garden Maintenance (2019-2021): IUPUI Grounds oversees the overall health and maintenance of IUPUI's pollinator gardens. IUPUI Sustainability partners with IUPUI Grounds to host various learning opportunities and volunteer days. -Bioswales on IUPUI Cultural Trail (2021): Along the Cultural Trail outside of IUPUI's Innovation Hall, a 2000ft bioswale was installed by grounds. This long, channeled depression receives rainwater runoff and has vegetation such as pollinating asters and organic matter to slow water infiltration and filter out pollutants.



Before and after pictures of campus pollinator garden



The Cultural Trail bioswale

Education & Outreach

-Container Gardening Virtual Event (02/12): Due to covid restrictions the IUPUI University Seed library held a virtual garden event. Residents were taught how to efficiently garden in a small space such as a porch or balcony. -IUPUI University Library's Seed Library (available year round): The IUPUI University Library Seed library is a collection of heirloom, open-pollinated, non-GMO herb seeds that any user with a Crimson Card, Indiana resident with an IU Libraries



Borrower Card, or IUPUI University Library Borrower's Card can borrow for at home or personal use. The Seed Library is possible through a Greening Grant from the IUPUI Office of Sustainability.

https://iupui.libguides.com/seedlibrary?fbclid=IwAR1ELn6_nsftj6q09JLZuuQPK9eniEUoMRw6yjAsFXGDB_6TnoTWqBbK_0

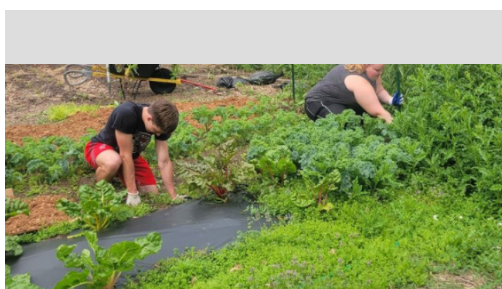
-IUPUI Garden Volunteer Days (weekly during the growing season): Every Tuesday from 9-11 am Garden Managers led volunteers during IUPUI Garden Volunteer Days at IUPUI's New York Street Garden. The gardening throughout the year included planting, maintaining, and picking of garden produce for campus affiliates to take home. -

Arbor Day (04/30): Due to the University being virtual, Arbor Day celebrations and tree plantings were observed over Facebook and Instagram live. Event partners included IUPUI Sustainability, IUPUI Grounds, and Keep Indianapolis Beautiful. In celebration, IUPUI planted 10 Catalpa, Hackberry, and Yellowwood trees in Magnolia

Courtyard.Link:<https://www.facebook.com/events/125407802915009/?ref=newsfeed> -No Mow May (05/01-31): IUPUI celebrated No Mow May by promoting the effort on social media platforms. IUPUI also utilizes a higher mow length during spring months. This promoted wildflower growth to help local pollinator health. -Bridge Week (08/16-20): Bridge Week is the first week before classes where incoming freshmen acclimate to college. The Urban Beekeepers at IUPUI presented to incoming students about the importance of urban pollinators, and introduced them to the campus beehives. -Hiring of Sustainable Landscapes Intern (10/17): The Sustainable Landscapes Intern oversees Bee Campus USA efforts and the promotion of biodiversity and sustainable landscape practices on campus.



Bridge Week: Dr. Blanchard presenting campus beehives to incoming students



Student volunteers tending to campus garden



A group photo of Arbor Day participants after tree planting.

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. -Beekeeping Sessions (07/27): Dr. Steven Blanchard, also known as "Dr.

Bee," shares the basics of beekeeping with the campus community by utilizing the two hives in an IUPUI on-campus garden area. The hives of honeybees are contained in two stacks of four boxes.

<https://news.iu.edu/stories/2018/07/iupui/inside/10-beekeeping-sessions-bring-summer-buzz-to-campus.html>





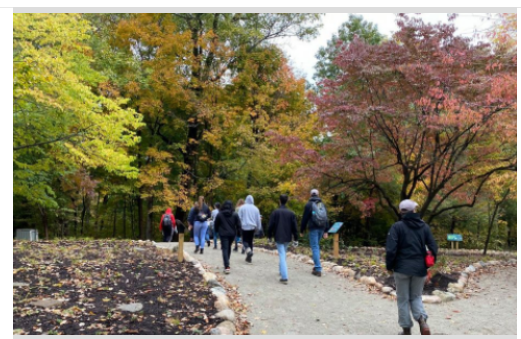
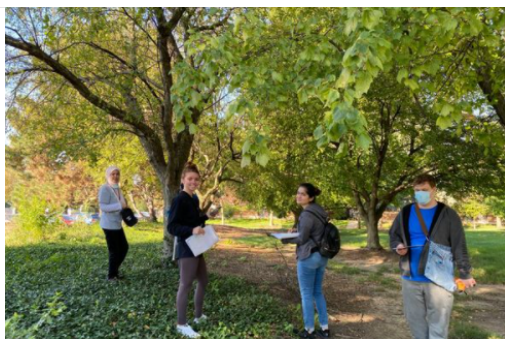
Two IUPUI students work in the IUPUI Urban Gardens for Urban and Suburban Gardening course



Dr. Blanchard demonstrates how to remove honey from a beehive

Service-Learning

Spring 2021: 1 DIY Biodiversity Survey: Students helped engage in community science through a BioBlitz of Carmel area. (Beginning of semi long-term BioBlitz). -43 students participated. Fall 2021: -1 DIY Biodiversity Survey: Students helped engage in community science through a BioBlitz of Indianapolis area. (End of semi long-term BioBlitz) -24 students participated. -2 days Photography for Citizen Science: Students engaged in taking photos for citizens science through a mini BioBlitz. -9 Students Participated. -2 days of IUPUI Campus Tree Survey: IUPUI is working on completing a full tree inventory of campus; students for this project aided in that survey by taking height, DBH, and condition measurements of trees on campus. -45 Students Participated. -1 Invasive Species Removal: Students aided in the removal of the invasive Amur Honeysuckle plant at Starling Nature Sanctuary. -26 Students Participated. -2 Native Seed Collection & Sowing, Invasive Species Removal: Students participated in native seed plantings. Students also removed Amur Honeysuckle and Burning Bush from Holiday Park. -29 Students Participated -1 Day of the Dead-heading, Native Seed Collection & Sowing: IUPUI students gathered native seeds from the Indiana State Museum gardens and planted them along the flood zone. -15 Students Participated -2 Days of ARBOR Trash Clean-up & Invasive Species Removal: Students cleaned trash from Campus restoration area; Lilly ARBOR. Students also removed invasive wintercreeper plants. -40 Students Participated.



Students seen measuring tree height and diameter
for tree campus survey

Student volunteers before spreading of native seeds

Students on the hunt for invasive Bush Honeysuckle

Educational Signage

No additional signage was added last year.





Bee Sign (1): Signage has been posted near our beehives in the New York Street Garden fence



Bee Sign (2): Signage has been posted near our beehives in the New York Street Garden entrance



Policies & Practices

For both Bee Campus USA and Tree Campus USA the 'Tree Advisory Committee' meets throughout the year to discuss topics related to urban canopy, pollinators, native plantings, etc. It consists of students, staff, faculty, nonprofit organizations, and community members. During the meetings the committee communicates about the potential impacts of landscaping policies and what is the best move for campus and wildlife moving forward.

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](#)

Learn More

<https://sustainability.iupui.edu/operations/grounds/index.html>
sustindy@iupui.edu

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

