

Bee Campus USA - Dickinson College

Report on 2024

Pollinator Habitat Creation & Enhancement

Please describe pollinator habitat creation or enhancement projects in your community in 2024, and whether your committee hosted them or not.

Kaufman Pollinator Garden The Kaufman Pollinator Garden was created and continues to be maintained by students and the Penn State Extension Master Gardeners. After its creation in 2017, the pandemic put a hold maintenance until late 2021 when the garden was overgrown after so much time without tending. This is when the Master Gardeners and CSE strengthened their connection to serve the broader community. The garden covers approximately 2,800 square feet and serves as demonstration space for the Master Gardeners and educational tool for students and community members alike, with each organization involved trading a service for the other. In 2024, the garden was expanded to include a sitting and relaxation area, providing space for a brain break or outdoor studying. This has attracted new campus interest. **Carlisle Green Street Project: Curb Extensions with Native Pollinator Plants** In 2023, Dickinson College partnered with the Carlisle Borough to create two new bump outs to aid in stormwater management. Located on Borough-owned streets near to Dickinson's campus and planted with native flora, the bump-outs work to collect and filter water into flow through pipes that retain and slowly release water into downstream conveyance pipes. Bio-engineered soil, mulch mix, and native plants are all aspects of the rain gardens that are chosen specifically to support pollinators. Additionally, these choices help to mitigate erosion of topsoil in large weather events. These gardens are managed and maintained by Dickinson College Grounds Staff and are regularly monitored and adjusted to ensure continuous health and efficacy. **Carlisle Community Garden** Located on Dickinson's campus, the Carlisle Community Garden serves residents of Carlisle, PA. Currently there are 36 beds that are rented annually, and renters have the option to choose between a 4' x 10' or 10' x 10' plot. A set of community tools are provided to all members of the garden, and the use of synthetic chemicals in the form of fertilizers, herbicides, pesticides, and fungicides is strictly prohibited. Since its establishment, the garden has rapidly gained popularity and offers a waitlist to manage high demand for plots. **Dickinson College Community Garden:**

https://www.dickinson.edu/homepage/834/community_garden **Montgomery Garden, Dickinson** The Montgomery Garden is located between the Montgomery House and Holland Union Building, home to the only dining hall on campus. During warmer months, the garden houses a variety of plants that fall under herbs, edibles, and pollinator friendly items. More specifically, these plants include oregano, mint, lavender, kale, and cabbage among other things. Students are encouraged to take advantage of the items growing there, and it is used as an educational space similarly to the Kaufman pollinator garden, just on a smaller scale. Additionally, managers from the farm maintain the area with one student invited to design the garden each year and cover crops planted when the weather gets colder. This area also has interpretive signage. **Campus Herb Garden, Dickinson** The Campus Herb Garden at Dickinson College features a thoughtfully curated selection of herb species that support pollinators, including sage, coneflower, and lavender. The

garden, which includes ten distinct signage with QR codes, provides educational information about each plant, including growing tips, uses, benefits, and recipes. The garden is replanted annually and is maintained by Dickinson College Farm Staff and student workers, ensuring its continued vitality and educational value. Integrated Pest Management on the Dickinson College Farm The Dickinson College Farm currently manages over 90 acres of multi-use land, the largest being vegetable and fruit growing. Independently from the College, the farm has set net zero energy goals and a unique practice for Integrated Pest Management (IPM). The plan in place focuses on reducing the number of pests and diseases on the farm while at the same time minimizing pesticide usage. Integrated Pest Management at the Dickinson College Farm: <https://www.youtube.com/watch?v=g0PtB3EF76Q&t=155s> Penn State Extension Master Gardener Demonstration Gardens The Master Gardeners of Cumberland County maintain ten demonstration gardens that are used for workshops, classes, training, and as research labs for the Master Gardeners to continue their knowledge development beyond initial requirements for membership. The Kaufman Hall Pollinator Garden on Dickinson College's campus is one of the ten, and in exchange for knowledge, education, and hands on work from the Master Gardeners, Dickinson provides space and tools to carry out said activities. Master Gardener Demonstration Gardens: <https://extension.psu.edu/programs/master-gardener/counties/cumberland/demonstration-gardens>

How many habitat projects did you help to create or enhance in 2024?

6

How many people (staff, volunteers, students, partners, etc.) helped with those projects?

64

How many projects benefit monarchs, milkweed, or nectar plantings?

5

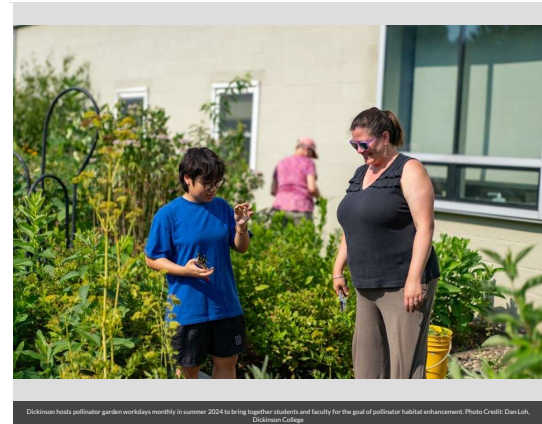
How many total square feet of habitat were created or enhanced?

11610

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

- Flower garden
- Vegetable garden
- Natural area with tree snags and stumps, and bare areas for ground nesting species
- Meadow
- Pollinator-friendly lawn (with flowering clover, dandelions...)
- Herb garden

- Native milkweed planting for monarchs and bees (where appropriate)
- Invasive/exotic plant species removal for habitat improvement
- Rain garden/bioswale
- School garden
- Other



Dickinson hosts pollinator garden workdays monthly in summer 2024 to bring together students and faculty for the goal of pollinator habitat enhancement. Photo Credit: Dan Loh, Dickinson College



Dickinson students work with Dickinson grounds crew team members to enhance pollinator habitats on campus. Photo Credit: Dan Loh, Dickinson College



Montgomery Garden at Dickinson College, is managed by the College Farm and provides edible landscapes and preserves habitat for pollinators on campus. Photo Credit: Dickinson Farm

Education & Outreach

Please describe pollinator conservation events or outreach activities in your community in 2024, indicating whether your committee hosted them or not.

In 2024, the Center for Sustainability Education (CSE) hosted a variety of pollinator conservation and outreach events, some of which were one time talks while others were reoccurring or part of a series. “Lunch and Learn” workshops are one of the most popular series for CSE that are often in partnership with the Cumberland County Penn State Extension Master Gardeners. CSE has a strong partnership with the Master Gardeners, exchanging space and tools for work to be done for knowledge and leadership. Students and community members are invited for an hour-long period to learn from and interact with experts. You can see the detailed list of events, partnerships and attendance in the lists below. One of our main projects are the hive checks offered to maintain our bees on campus, so we broke those events out separately. Hive Checks, Dickinson College Campus Beehives The Dickinson College Hive Cooperative is a campus living laboratory that provides educational and community building opportunities. Located behind the Rector Science Complex, CSE has three European honeybee (*Apis mellifera*) hives that engage members of “The Hive” through hands-on problem-solving. Dickinson staff, community beekeepers and the Hive Intern at CSE help to guide members through the training, learning process and experience of managing the hives during regular hive checks. Hive checks are open to all students, staff, faculty, and community members that have demonstrated interest in the beekeeping working group.

We currently have protective bee suits for 9 individuals. The exact focus of each check may vary based on the time of year and work that needs to be done (i.e. preparing the hives for winter), but most checks will be similar in function to assess and maintain the health of each hive. These hive checks allow access to hands-on pollinator education for those who may not have opportunities otherwise. Educational Hive Checks (13 events in 2024 reaching 52 participants): 4/5/2024: Hive Check (6 participants) 4/9/2024: Hive Check (5 participants) 4/19/2024: Hive Check (3 participants) 4/22/2024: Hive Check (2 participants) 5/3/2024: Hive Check (5 participants) 6/3/2024: Hive Check (1 participant) 6/26/2024: Hive Check (2 participants) 7/3/2024: Hive Check (2 participants) 7/31/2024: Hive Check (8 participants) 9/9/2024: Hive Check (4 participants) 9/16/2024: Hive Check (4 participants) 10/13/2024: Hive Check (7 participants) 11/25/2024: Hive Check (3 participants) Pollinator Garden Workdays (5 events in 2024 reaching 64 participants) Co-Sponsored by Penn State Extension Master Gardeners, some have themes or connected to a Lunch and Learn while others are simply opportunities to get involved in the garden however possible. 3/27/24: Pollinator Garden Workday – Open the Garden 6/24/2024: Pollinator Garden Workday (6 participants) 7/17/2024: Pollinator Garden Workday (8 participants) 9/4/2024: Pollinator Garden Workday (40 participants) 10/8/2024: Pollinator Garden Workday (10 participants) Other Pollinator Conservation or Outreach Events: If members of The Hive Cooperative are not inclined to interact directly with the bees, there are three other working groups that host events that involve pollinators, habitat and products. Value Added Working Group: Creates products from the honey or beeswax produced by the hives. Includes making candles, lip balm, baked goods, and more! Honey Harvesting Working Group: Learns the process of harvesting excess honey from frames from spinning the frames to putting the products in jars. This honey is not enough to sell, but members of this group are often allowed to take a personal jar with them. Native Pollinators and Gardens Working Group: Cares for the pollinators before they even show up! This group works on maintaining the campus gardens to provide habitat for a variety of native pollinators. Educational workshops emphasize the importance of these insects and the impact they have on our ecosystem. All of the events are open and welcome the public (in addition to Dickinson faculty, staff and students). The goal is to involve as many of those interested as possible. Other Pollinator Conservation or Outreach Events (12 events in 2024 reaching 390 participants): 2/8/2024: Hive General Interest Meeting (5 participants) Hosted to give new and returning members of The Hive to brainstorm and discuss the rest of the semester in terms of events, ideas, and things that need to get done. Hosted by the Center for Sustainability Education (CSE). 2/20/2024: Unveiling the Mysteries of the Honeybee; Is Beekeeping for Me? (26 Participants) Master Beekeeper Tiffany Ayres, owner of SayBees Apiary (a community partners), hosted an informational workshop aimed at demystifying beekeeping to inform those considering starting their own hive. Participants learned why the honeybee is so unique, the benefits of beekeeping, and requirements for beekeeping including monetary, equipment, understanding local laws, space, time, environmental conditions and physical capabilities. 2/23/2024: The Hive Campus Tabling (25 participants) The intern for The Hive hosted information table on campus to share projects, programs and working groups with campus constituents. They could sign up for more information and learn about upcoming events. 3/24/2024: Baking Night with Honey (21 participants) Attendees were invited to a collaborative afternoon of baking honey buns using Dickinson's harvested honey to go towards a bake sale fundraiser at the Dickinson College Sustainability Expo. All ingredients were locally sourced, and discussion Dickinson's bee projects and programs was hosted. Hosted by the Center for Sustainability Education (CSE).

4/10/2024: Lunch and Learn: Conservation and Volunteering on The Cumberland Valley Rail Trail (10 participants) The Cumberland County Penn State Extension Master Gardener and Vice President of the Cumberland Valley Rail Trail Council, Jean Spears, visited Dickinson to give present on the conservation and progress of the rail trail through Cumberland County. Used as a recreational space, experiential laboratory, and historic trail, the Rail Trail is important to conserve. Jean also shared information about volunteering and the trail's changing landscape. Hosted by the Center for Sustainability Education (CSE) and the Penn State Master Gardeners. 9/4/2024: Kaufman Pollinator Garden Open House (40 participants) Participants were able to find out how to get involved on campus, meet current members of The Hive, ask questions to Penn State Extension Master Gardeners, learn about pollinator enhancement on large and personal levels, and take care of the Kaufman pollinator garden. Hosted by the Center for Sustainability Education (CSE) and the Penn State Master Gardeners. 9/10/2024: The Hive Open House (45 participants) Invited students, faculty, staff and community members interested in getting involved with the four working groups of the Hive Cooperative. Participants were able to see the bees, participate in a honey tasting, and learn about the safety gear and equipment. Hosted by the Center for Sustainability Education (CSE). 9/26/2024: Lunch and Learn: How to Grow and Use Culinary Herbs (9 participants) Penn State Extension Master Gardener Carol Glasgow joined CSE to host a workshop focusing on growing culinary herbs in gardens and containers. She included information how to harvest, utilize, and preserve these herbs, as well as information on their historical significances through stories and traditions. Additionally, Carol gave recommendations for herbs to grow that are compatible with dorm living. A pollinator garden workday followed. Hosted by the Center for Sustainability Education (CSE) and the Penn State Master Gardeners. 10/8/2024: Lunch and Learn: Honey from the Perspective of the Honeybee (10 participants) Following a pollinator garden workday, Master Beekeeper and owner SayBees Apiary (Keys to Bees) Tiffany Ayres hosted an event to discuss anything having to do with honey. Students and community members were encouraged to bring questions about honey, and Tiffany taught everything about honey storage, biological production, harvesting, and manufacturing. Hosted by the Center for Sustainability Education (CSE) and Tiffany Ayres. 11/19/2024: Dickinson College Honey Harvest (14 participants) After 25 pounds of honey were removed from the campus hives, a group of students harvested almost 80 jars of honey in our certified campus kitchen. This honey is used as incentives and gifts for volunteers and students so as not to create competition for local beekeepers who rely on honey sales. Hosted by the Center for Sustainability Education (CSE). 11/21/2024: Honey Tea Party (35 participants) This tea party utilized honey harvested from The Hive at Dickinson to sweeten handmade tea blends while participants learned from Dickinson sustainability staff about The Hive beekeeping cooperative and the process of honey harvesting. This was a way to share our honey harvesting process with more students since the kitchen size limits the actual harvest. 12/9/2024: Beeswax Candle Making at the Green Gifts Workshop (150 participants) The Green Gifts Workshop was an event hosted by CSE that invited the Dickinson community to make gifts for loved ones around the holidays, completely for free. The Hive hosted a very popular table where attendees could make their own beeswax candles. Over 225 candles were produced, and the program is great outreach to get people to understand The Hive working groups.

How many pollinator-related events or outreach activities did you host or help with in 2024 (in total)?

17

How many people attended those events (in total)?

442

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

5

Number of temporary interpretive/educational/Bee Campus USA signs installed in 2024?

1



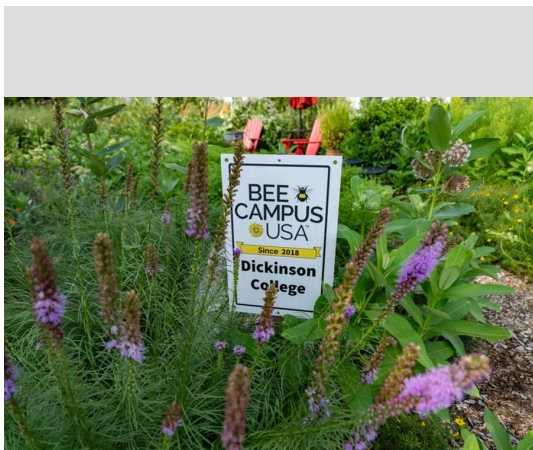
A Dickinson student making a beeswax candle at the Green Gifts Workshop in December of 2024. Photo Credit: Dani Loh, Dickinson College



Beekeeping Basics Workshop for the community on February 23, 2024 hosted free of charge at Dickinson College. Photo Credit: Lindsey Lyons, Dickinson College



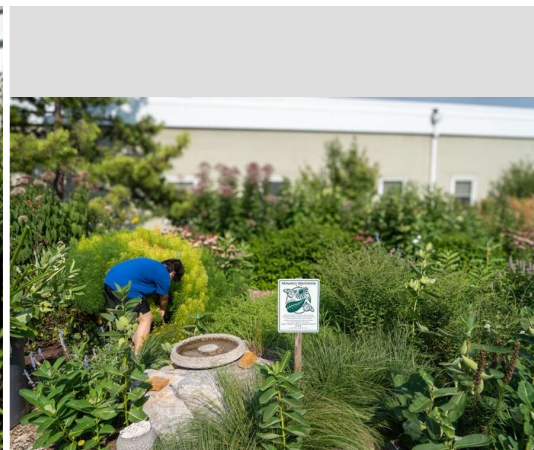
The Hive, Dickinson's beekeeping cooperative, hosts weekly hive checks from April-September to bring together students, faculty, staff and community members for outreach and education on the care of honeybees. Photo Credit: Dani Loh, Dickinson College



Dickinson College, Kaufman Pollinator Garden as a Bee Campus USA sign for public education. Photo Credit: Lindsey Lyons, Dickinson College



Dickinson College, Kaufman Pollinator Garden as a Pollinator Friendly certification and sign for public education. Photo Credit: Lindsey Lyons, Dickinson College



Dickinson College, Kaufman Pollinator Garden as a Monarch Watch certification and sign for public education. Photo Credit: Lindsey Lyons, Dickinson College

Curriculum, Continuing Education, & Service Learning

Please describe the curriculum your campus engaged in 2024, indicating whether it was part of a for-credit course or continuing education.

Senior Seminar: What Does the Earth Ask of Us? – For-credit course (15 participants) The question motivating this senior seminar is drawn from the work of Dr. Robin Wall Kimmerer, an ecologist and member of the Citizen Potawatomi Nation. Dr. Kimmerer invites us to consider not only what benefits humans derive from the Earth, but also what gifts we have to offer in return. In this senior seminar, we will explore this question individually and collectively, taking an interdisciplinary approach that draws on both scholarly/creative work and the work of practitioners in the environmental field. We will explore the concept of reciprocity as it compares to other frameworks for understanding the human relationship to the Earth, considering how it may shape our efforts toward environmental repair. Students will help lead class discussions and develop a capstone project focused on using their knowledge, skills, and talents to respond to a particular environmental challenge. Throughout, students will be encouraged to reflect on their education and experiences to identify the gifts they have to offer the Earth in their post-graduation pursuits.

Applied Entomology – For-credit course (15 participants) Insects are the most diverse and abundant animals on Earth. This course will introduce students to their biology and identification, interactions with human societies, and frameworks informing their study, management, and conservation. Particular emphasis will be placed on Integrated Pest Management as a framework to guide the human-insect relationship. Class meetings will incorporate significant student participation including presentation and discussion of the scientific literature. Laboratories will provide students with opportunities to develop skills in entomological methods and discover the diversity of insects in the surrounding region.

Independent Research: Spatial Analysis of Pesticide Usage in Pennsylvania Forests – For-credit course (1 participant) One student completed an independent research credit under Professor Maggie Douglas’s guidance analyzing spatial data on insecticide use in PA forests, to inform conservation of native bees in the region.

Beekeeping Basics – Continuing Education (10 participants) Instructed by Master Beekeeper, Tiffany Ayres, this course was hosted at Dickinson College. Ten community members attended the five week, ten hour total course covering what is involved in establishing a beehive and becoming a beekeeper. From equipment to time commitments to monetary requirements, Tiffany discussed it all.

How many of your for-credit courses included pollinator-related information in 2024?

3

How many students attended those for-credit courses?

32

How many of your continuing education courses included pollinator-related information in 2024?

1

How many participants attended those continuing education courses?

10

Please describe the service-learning projects your students were engaged in 2024, indicating which, if any, were associated with a course.

In senior seminars for the environmental science major at Dickinson College, students are asked to design and conduct a capstone research project. One student in the “What Does Earth Ask of Us?” course completed a capstone project developing a pollinator monitoring plan for the Kaufman Pollinator Garden and led an interactive class on this topic. This was direct service to Dickinson College as part of a credit-bearing course. The plan was then shared with members of the Dickinson Pollinator Committee. Courses that are classified under the “applications” tag have a laboratory component in which students enrolled in the class spend three hours gaining practical skills through hands-on work relating to the subject matter. In Applied Entomology, there were two laboratory periods in which students focused on pollinator biology, identification, monitoring, and conservation in the campus pollinator gardens. Each student was required to complete 3 hours of garden service in exchange for points towards course credit. Independent research at Dickinson College is conducted by one student under the advisory of a professor with a related background. In 2024, a Dickinson senior conducted research analyzing pesticide use in Pennsylvania forests. This involved work done in the field and data analysis relating to the conservation of native pollinators, and was shared with the campus community in the form of a field tour in partnership with a nature center.

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

4

How many students participated in service-learning projects in 2024 to enhance pollinator habitat on or off-campus?

32



Dickinson's campus beehives are located right on campus for the convenience of class and lab visits and daily observation. Photo Credit: Dan Loh, Dickinson College



Dickinson students in the Applied Entomology class sample for pollinator diversity in our Kaufman Pollinator Garden during a lab for the course and enter into iNaturalist. Photo Credit: Lindsey Lyons, Dickinson College



Faculty from Environmental Studies Senior Seminar are required to complete service hours in the Kaufman Pollinator Garden as part of their labs. Photo Credit: Lindsey Lyons, Dickinson College



Summer research (students and faculty) teams work in the Kaufman Pollinator Garden as a service and teambuilding opportunity. Photo Credit: Dan Loh, Dickinson College



Dickinson College senior in environmental studies provides on/Off-campus walk services to area nature centers each year as part of their senior seminar capstone projects. Photo Credit: Environmental Studies

Policies & Practices

Please describe actions taken to make pest management more pollinator-friendly.

Community Garden The Community Garden has policy in place that strictly prohibits the use of all synthetic chemicals including fertilizers, herbicides, pesticides, and fungicides to maintain a healthy habitat for pollinators. Additionally, this policy continually supports both the garden's commitment to organic practices and the college's environmental stewardship and overarching sustainability goals. The benefits of this policy extend beyond the garden and pollinators by also supporting the overall health of the ecosystem.

Kaufman Pollinator Garden Since the creation of the Kaufman Pollinator Garden, management has focused on eliminating the usage of herbicides to protect and maintain the ecosystem. The only instance of chemical use in the garden's history was during the initial clearing of overgrown plants using Roundup. After a year-long period, plants were introduced to ensure the health of the garden and minimize the impacts of chemicals on the newly established flora or preexisting wildlife. Pest management in the garden primarily relies on manual methods, including tilling, hand weeding, and using shovels to remove root systems. Additionally, biological methods are employed by planting specific desirable species that help suppress the growth of invasive and undesirable plants, promoting a healthy and balanced environment for pollinators.

Pollinator Friendly Integrated Pest Management Policy for the Dickinson College Campus The campus-wide management plan for pest management has been standardized and designed to align with key sustainability goals of the institution, including hands-on sustainability education and stewardship. The scope of this plan focuses on the maintenance of a whole, healthy ecosystem rather than just the plants on campus. This involves soil health, water management, insect abundance, and wildlife protection. This commitment transforms the Dickinson College landscape into a dynamic living laboratory, where classroom learning is complemented by practical, real-world experience. The Pollinator Friendly Integrated Pest Management Policy reflects these priorities and is updated annually to ensure that the landscape continues to support pollinators and contribute to the college's sustainability objectives.

Dickinson College Grounds and Landscape Management Policies and Practices:

https://www.dickinson.edu/download/downloads/id/12306/grounds_and_landscape_management_policies_and_practices.pdf

Sustainable Buildings Dickinson College is committed to constructing new buildings and major renovations to at least LEED (Leadership in Energy and Environmental Design) silver standards, though these new projects often exceed this level. Green building practices emphasize the importance of creating structures that are environmentally responsible and resource-efficient through the entirety of their lifecycle. Dickinson's buildings incorporate advanced technologies such as energy wheels for efficient heat exchange between indoor and outdoor air, high-efficiency HVAC systems, sensors to optimize air flow, temperature, and lighting, passive solar designs, and natural lighting. Additionally, the buildings feature high-efficiency fluorescent and LED lighting, waterless urinals, and grey water systems. Furniture and fixtures are selected for their sustainable materials and low volatile organic compounds (VOCs). These measures ensure that the buildings use less energy, water, and natural resources compared to conventional buildings, resulting in greater efficiency and reduced waste.

Leadership in Energy and Environmental Design: <https://www.usgbc.org/?CategoryID=19>

Sustainable Grounds At Dickinson College, sustainable grounds management is a priority across the 200-acre main campus. The college extensively utilizes native plants in its

landscaping to minimize water usage, provide habitat and food for wildlife, and prevent the spread of invasive species. Sustainable practices include Integrated Pest Management, biological controls, the maintenance of natural meadows, the creation of edible landscapes, and the implementation of rain gardens and bioswales. These methods collectively enhance the ecological health of the campus while supporting biodiversity and resource conservation. Buildings & Grounds: https://www.dickinson.edu/info/20052/sustainability/2283/buildings_and_grounds Benchmarking Biodiversity on Farms Professor Maggie Douglas and Farm Director Jenn Halpin from Dickinson College collaborated to gather data for a project focused on benchmarking for the assessment of the ecological health on the Dickinson College Farm. Their early findings on systematic and sustainable evaluation of crop diversity, farm layout, and management practices were presented at the Pasa Sustainable Agriculture Conference. The primary goals of this work are to enhance biodiversity and create an ecologically balanced agricultural environment. Full article: <https://growingformarket.com/articles/benchmarking-biodiversity-farms>

In your city or campus, are any policy initiatives underway to further protect pollinators, people or waterways from pesticides?
The Alliance for Aquatic Resource Monitoring (ALLARM) envisions a future where individuals are empowered through science education to participate in decision-making about their local water resources. As a program of Dickinson College, ALLARM provides an enhanced educational experience for students, equipping them with essential skills in environmental science, community engagement, science education, and non-profit work. ALLARM engages communities by using science to investigate stream health, generating data that supports aquatic protection, policy development, and restoration efforts. Recent workshops have been instrumental in helping community volunteers address these crucial questions.

Did your committee participate in any continuing education on ecologically-based Integrated Pest Management planning?
No, no further training was obtained during 2024.

Please check actions you have taken to make pest management practices more pollinator-friendly.

- Only use pesticides as a last resort within the IPM plan
- Avoided use of pesticides in public sites containing designated pollinator habitat or other sensitive features (except when targeted use is deemed the best option for invasive or noxious weed, insect or disease management)
- Implemented non-chemical pest prevention and management methods on city or campus grounds
- Sourced plants for city or campus grounds using “Buying Bee-Safe Plants” methods recommended by Xerces Society. (See <https://xerces.org/publications/fact-sheets/buying-bee-safe-plants>)



Dickinson College Farm has created a pick your own bouquet area for our Campus Supported Agriculture (CSA) members. These rotation crops are planted with pollinators and pest management in mind. Photo Credit: Dickinson Farm

Any lessons learned you would like to share?

Established partnerships like that of CSE and the Master Gardener program has been invaluable and could serve as a model for other institutions. With a strong Memorandum of Understanding and clear roles, we exemplify a strong community partnership that could also be valuable for other institutions looking to create similar partnerships.

Additionally, a strong set of expectations and trade system also aid in this work. The Center for Sustainability Education provides space for the Master Gardeners to garden, train volunteers, and conduct educational programming, and CSE is able to take part in all of these opportunities. Another partnership that CSE has established and fostered is with Tiffany Ayres of Keys to Bees and SayBees Apiary. This connection has proved to be similarly valuable to our partnership with the Master Gardeners as Tiffany assists CSE with hive checks, specialized equipment acquisition, and general knowledge surrounding maintaining happy, healthy hives. In return, CSE provides space for educational sessions (i.e. "Beekeeping Basics" under continuing education) and general equipment to help maintain her own hives. Community partners are incredibly important and valuable to the success in beekeeping for higher education, especially as they remain in the area to aid in the care of the bees during the most productive time of the year when students are off campus for summer. More information on Tiffany's business can be found on keystobees.com.

Committee Photo

Learn More

Integrated Pest Management Plan:

Recommended Native Plant List:

<https://www.pa.gov/agencies/dcnr/conservation/wild-plants/landscaping-with-native-plants>

Recommended Native Plant Supplier List:

<https://www.izelplants.com/native-to/pennsylvania>

https://www.dickinson.edu/info/20052/sustainability/3325/the_hive
thehive@dickinson.edu