



Bee Campus USA Annual Report Pollinator Conservation & Education 2019



State University of New York at Cortland Cortland, New York

EDUCATION & OUTREACH



Class is outside today!



Check out this great dirt!



The children are planting garlic

1) On April 17, 2019, Dr. Robert Raguso of Cornell University gave a fascinating lecture entitled "The Forgotten Fragrances: How Floral Scent Structures Plant-Pollinator Interactions." Dr. Raguso shared his research on the role of scent in the development and organization of pollinator-plant food webs. Fifty-six people attended the lecture, which was co-sponsored by the Garden Advisory Committee (Bee Campus USA) and the Biology Club.

The number of 56 people above refers only to the lecture on pollinator biology and not the activities of the education students with the children. The total is probably closer to 80.



Getting the kiddos ready to garden

2) An early childhood education class, taught by GAC Committee member Beth Klein, organized some garden education activities for a class of preschoolers at the Child Care Center on campus.

Karen Diescher, another GAC Committee member, teaches in the campus preschool. The children planted garlic, dug for worms, and had a blast.

POLLINATOR HEALTH & HABITAT



A student prepares to plant milkweed seedlings

A graduate student in Outdoor Pursuits organized a milkweed planting event in May. She and four other volunteers planted 40 milkweed plants (four species) in two locations on campus.

The grounds crew planted 20 Pinky Winky hydrangeas to form a hedge near Winchell Hall and 12 Chantilly Lace hydrangeas in a memorial garden near the library.



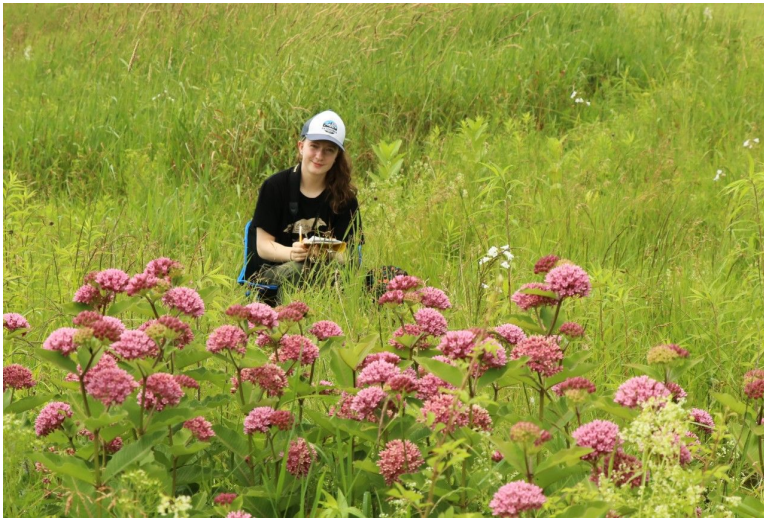
A student fills one of the model garden plots with milkweed seedlings

SERVICE LEARNING

The students in an early childhood education class planned and implemented several garden education activities for the preschoolers in the College's Child Care Center.

This activity was both educational and service learning, and it is presented in more detail and with photographs in the education section.

CURRICULUM & CONTINUING EDUCATION



Kiley is researching milkweeds



A beautiful purple milkweed

The Biology Department offers many for-credit courses that include pollination. The College does not provide continuing education credits in this area. In addition, a member of the Biology Department faculty named Steve Broyles does research on milkweeds. One of his students, Kiley Stoj, is writing her honors thesis on the pollination biology and hybridization of purple milkweed (*Asclepias purpurascens*) with common milkweed (*Asclepias syriaca*). Purple milkweed is a threatened species in New York State and much of the east coast. She and Dr. Broyles published an article on nectar production in a different milkweed species in 2019.

A former student, Zack Bolton, made this video on milkweed pollination:

<https://www.youtube.com/watch?v=I5995YKzQMM>.

EDUCATIONAL & INTERPRETIVE SIGNAGE

Information not available.

POLICIES & PRACTICES

Recommended Locally Native Plant Species List —

<http://www2.cortland.edu/dotAsset/66bcc50b-51a8-450d-b723-4329983f3966.pdf>

Regional Native Plant Supplier List — not available

Pollinator Friendly Integrated Pest Management Plan —

<https://www2.cortland.edu/about/sustainability/get-involved/bee-cam.dot>

CONTACT US!

Committee — Garden Advisory Committee, Sarah Beshers, sarah.beshers@cortland.edu

Website — <https://www2.cortland.edu/about/sustainability/get-involved/bee-cam.dot>

Social Media — not available