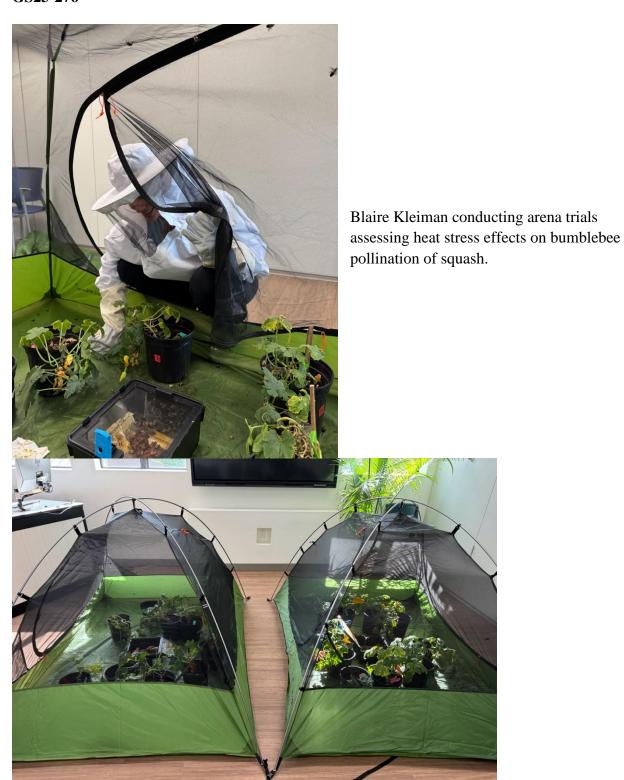
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Growth Chamber (Percival) used to implement different temperature treatments on the plants and bumblebee micro colonies (Koppert USA).



Open-Top-Chamber prototype with weather station inside.



40 acres zucchini farm (Sam S. Accursio and Sons) in Homeatead, Florida, with 4 floral strips planted throughout.

Farmer and farm worker surveys were conducted pre and mid planting, with conclusionary surveys in Spring 2025.



Students Mentored:

A core group of field assistants was vital to the execution and data collection in these farms, assisted consistently by undergraduate Agroecology interns and mentees: Sarah Tillem, Sophie Ramos, Fabiana Moran, and Natalie Valdes. Others assisted on a semi-regular basis in field/lab work as well.

Presentations:

- 2024 Entomological Society of America Conference, Phoenix, Arizona. 'Heat Stress Effects on Zucchini and it's Bumblebee Pollinators''.
- 2024 FIU Earth and Environment Symposium + 3 Minute Thesis Competition, Oral Presentation "Heat Stress And Its Influence On A Tropical Annual Crop And Its Pollinators: Implications For Agriculture In An Era Of Climate Change".
- 2023/2024 Talk on Plant-Insect Ecology in AGR 4272 Agroecology.
- 2023/2024 Agroecology Symposium, Oral presentation of "Heat Stress Effects on Squash and it's Pollinators".
- 2023 Ecological Society of America Conference, Portland, Oregon, Oral presentation of paper "Weeds Enhance Insect Diversity and Abundance and Improve Soil Conditions in Mango Cultivation of South Florida".
- 2022 Botanical Society of America Conference, Alaska, 1st place poster "How weeds affect insects in mango, *Mangifera indica*, cultivation of South Florida"; Oral presentation of paper "Weeds Enhance Pollinator Diversity and Fruit Yield in Mango".