

**Milena Alejandra Agila Enriquez**  
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#### EDUCATION

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- August 2023 – Present **Graduate Research Assistant, Entomology Department at Purdue University.**  
Advisor: Laura Ingwell, Ph.D.  
Dissertation title: Application of Black soldier fly-derived resources as soil amendments for specialty crop production.
- 2018 – 2021 **BSc of Agricultural Sciences and Production, Pan-American Agricultural University, Honduras.**  
Advisor: Dr. Jesús Orozco  
Thesis title: Associated insects to flower crops *Ranunculus asiaticus* L. and *Anemone coronaria* L. in Ecuador

#### EXTENSION AND EDUCATIONAL PRESENTATION

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1. **Agila, M.**, Wooby, J., and Ingwell, L.L. 2024. Insect Spotlight: Flea Beetles. Vegetable Crops Hotline. Issue: 736.

#### RESEARCH EXPERIENCE

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- August 2023 – Present **Graduate Research Assistant, Entomology Department at Purdue University.**  
•Advisor: Laura Ingwell, Ph.D.  
•Dissertation title: Application of Black soldier fly-derived resources as soil amendments for specialty crop production.
- August 2022 – July 2023 **Research Assistant, Entomology Department at Purdue University.**  
Responsibilities:  
•Assistant in different research that involve management on specialty crops.  
•Responsible for maintaining a black soldier fly colony.  
•Sticky cards identification.  
•Data collection.  
•Maintenance of low tunnel leafy greens research.  
•Monitoring spotted spider mite infestations.
- December 2021 – May 2022 **The Chaupi Farm, Ecuador.**  
Responsibilities:  
•Germination and postharvest control assistant.  
•Plant health ornamental supervision.  
•Procedure manual development (Germination and postharvest area).
- August 2021 – November 2021 **Intern at Entomology Laboratory, Pan-American Agricultural University.**  
•Advisor: Jesús Orozco, Ph.D.  
Responsibilities:  
•Curatorial assistant.  
•Ongoing projects assistant.  
•Research project development about disease-transmitting mosquitoes at Zamorano.

#### CONTRIBUTED PRESENTATIONS

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1. **Agila, M.**, and Ingwell, L.L. 2023. *Poster presentation*. Converting food waste into soil amendments while growing protein with *Hermetia illucens*, Indiana Horticultural Conference and Expo. West Lafayette, IN. Jan. 23-24, 2023.
2. **Agila, M.**, and Ingwell, L.L. 2023. *Poster presentation*. Converting food waste into soil amendments while growing protein with *Hermetia illucens*, Indiana Small Farm Conference. Danville, IN. Mar 2-3, 2023.

3. **Agila, M.**, and Ingwell, L.L. 2023. *Poster presentation*. Converting organic waste into agricultural products using *Hermetia illucens*, Global Food & Nutrition Security and Human Health Poster Networking Gathering. West Lafayette, IN. Oct. 13, 2023. – **People’s choice award**
4. **Agila, M.**, and Ingwell, L. L. 2024. *Poster presentation*. Converting organic waste into agricultural products using *Hermetia illucens*, Horticultural Conference and Expo,
5. **Agila, M.**, and Ingwell, L. L. 2024. *Poster presentation*. *Hermetia illucens* compost application, Indiana Small Farm Conference. Danville, IN. Feb 29, 2024.
6. **Agila, M.**, and Ingwell, L. L. 2024. *Poster presentation*. *Hermetia illucens* compost application, College of Agriculture and College of Engineering Poster Networking Gathering. West Lafayette, IN. Mar 29, 2024.
7. **Agila, M.**, and Ingwell, L. L. 2024. Utilizing Black Soldier Fly Composting on Urban Farms. Urban Food System Symposium. Columbus, OH. Jun 11-13, 2024.

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#### EXTENSION PRESENTATION

1. **Agila, M.**, and Ingwell, L. L. 2023. Black Soldier Fly Composting and Specialty Crop Production. Purdue Fruit & Vegetable Field Day. Lafayette, IN. July 20, 2023. 83 attendees
2. **Agila, M.**, and Ingwell, L. L. 2023. Black Soldier Fly Composting and Specialty Crop Production. Purdue Small Farm Educational Field Day. West Lafayette, IN. July 27, 2023. 107 attendees
3. **Agila, M.**, and Ingwell, L. L. 2024. Evaluating the Impacts of Insect-Derived Soil Amendments on Crop Production. Purdue Fruit & Vegetable Field Day. Lafayette, IN. July 18, 2024. 97 attendees

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#### HONORS AND AWARDS (\$500 TOTAL)

1. Travel grant (\$500) in the Department of Entomology at Purdue University. August 2024
2. People’s choice award at Global Food & Nutrition Security and Human Health Poster Networking Gathering

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#### GRANT FUNDING (\$19,025 TOTAL)

1. 2024 NCR-SARE Graduate Student grant (\$19,025)

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#### PROFESSIONAL DEVELOPMENT

1. XII CREAAN Congreso Regional de Economía, Administración y Negocios, Tegucigalpa, Honduras –2019
2. XIV CREAAN Congreso Regional de Economía, Administración y Negocios, Tegucigalpa, Honduras –2021
3. Career Development Symposium at Corteva Agriscience, Indianapolis, IN –2022
4. DELTA Symposium at Corteva Agriscience, Johnston, IA. September 24-26, 2024.

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#### COMMITTEE SERVICE AND LEADERSHIP

- 2024** Secretary, Association of Zamorano Alumni at Purdue.  
**2024** Treasurer, Association of Ecuadorians at Purdue.

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#### OUTREACH EXPERIENCE

Volunteer at Bug Bowl Purdue. Black soldier flies, Purdue University, West Lafayette, IN – April 2023, 3000 attendees  
 Volunteer at Bug Bowl Purdue. Black soldier flies, Purdue University, West Lafayette, IN – April 2024, 3500 attendees

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#### PROFFESIONAL MEMBERSHIPS

Entomological Society of America (ESA)	2024 – Current
Entomology Graduate Student Organization (EGO)	2023 – Current
Association of Zamorano Alumni at USA	2022 – Current
Association of Ecuadorians at Purdue	2022 – Current

## LANGUAGES

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**English:** Full professional proficiency

**Spanish:** Native Language

## PROFESSIONAL REFERENCES

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- Laura L. Ingwell, Ph.D., Assistant Professor, Department of Entomology, Purdue University. [lingwell@purdue.edu](mailto:lingwell@purdue.edu)
- Jesús Orozco, Ph.D., Entomology Professor, Insect Collection Curator, Zamorano. [jorozco@zamorano.edu](mailto:jorozco@zamorano.edu)
- Janan Vaca, General Consultant. [janan.vaca@agricolaelchaupi.com](mailto:janan.vaca@agricolaelchaupi.com)
- Katerin Aguilar, B.S., Zamorano Entomology Laboratory Assistant. [kaquilar@zamorano.edu](mailto:kaquilar@zamorano.edu)