

# Lydia Purinton English

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## EDUCATION

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Iowa State University, Ames Iowa

M.S. Sustainable Agriculture and Ecology & Evolutionary Biology, summer 2020 (GPA 4.0)

Advisor: Dr. Matthew Liebman

Carleton College, Northfield MN

B.A. Biology, *Magna cum Laude*, June 2013 (GPA 3.7)

Advisor: Dr. Daniel Hernandez

## PUBLICATIONS

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Kordbacheh, F., Jarchow, M., **English, L.**, & Liebman, M. (2019). Productivity and diversity of annually harvested reconstructed prairie communities. *Journal of Applied Ecology*, 56(2), 330-342.

Nisi, A., Hernández, D., **English, L.**, & Rogers, E. (2015). Patterns of Selective Herbivory on Five Prairie Legume Species. *The American Midland Naturalist*, 173(1), 110-121.

## GRANT FUNDING & AWARDS

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**English, Lydia**. 2019. Robert A. Sloan Award in Sustainable Agriculture. (\$2250)

**English, Lydia** and Matt Liebman. 2018. North Central Region Sustainable Agriculture Research and Education (NCR-SARE) "Linking Agricultural Production and Conservation through In-field Prairie Plantings." (GSP18-009, \$10,781)

## ORAL PRESENTATIONS

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"CyChecks2: Are women faculty paid less than men at ISU?" co-presented with Virginia Nichols. Luncheon/Rogonomists (R student group). Ames, Iowa. December 2019.

"In-field prairie plantings as a means to increase native plant diversity in an agricultural landscape" North American Prairie Conference. Houston, Texas. June 2019.

"Perennials in Iowa" co-presented with Virginia Nichols. World Food Prize Iowa Youth Institute immersion session. Ames, Iowa. April 2019.

"Farm to prairie: assessing the vegetation of native habitat on working lands" Ecology and Evolutionary Biology Symposium. Iowa State University. Ames, Iowa. February 2019.

"Prairie STRIPS: An introduction" 4-H Ag Innovators Experience. Reiman Gardens. Ames, Iowa. March 2018.

## POSTER PRESENTATIONS

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"Preliminary patterns of vegetation diversity in prairie strips across Iowa." Graduate Program in Sustainable Agriculture Symposium. Ames, Iowa. April 2019.

"Patterns of vegetation diversity in prairie strips across Iowa." Prairie STRIPS cooperators meeting. Lewis, Iowa. June 2018.

## PROFESSIONAL AND SERVICE ACTIVITIES

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2017 – present: Practical Farmers of Iowa, member.

- Field day presenter at “Prairie and Beneficial Insect Habitat on an Organic Crop Farm.” July 2019.
- Volunteer at 2019 and 2020 annual conference.

2018 – present: Wheatsfield Co-operative, Education and Outreach committee.

Iowa State University

- 2019 – present. STRIPS leadership circle member.
- 2019: President, Sustainable Agriculture Student Association.
- 2019: Reviewer for *Journal of Applied Ecology* and *Restoration Ecology*.
- 2018: Reviewer for *Advances in Agriculture*.
- 2018: Treasurer, Sustainable Agriculture Student Association.

## PROFESSIONAL DEVELOPMENT/SHORT COURSES

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- My Organization’s First R Package. R Studio Conference. January 2020.
- Midwest Big Data Summer School. Iowa State University. May 2019.
- Building Web Applications in R with Shiny. Data Camp. March 2019.
- Essentials of ArcGIS 10.4, Iowa State University. January 2018.

## SELECTED ADDITIONAL EXPERIENCES

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University of Minnesota, Department of Ecology, Evolution and Behavior. Minneapolis, MN 2016

### **Part-time technician for Ruth Shaw, PhD and Stuart Wagenius, PhD.**

*Organized and reconciled raw data of annual plant surveys from 1996—present using R statistical software.*

Seed Savers Exchange. Decorah, IA 2015

### **Horticultural assistant**

*Gained extensive sowing/greenhouse experience and participated in all aspects of field season: transplanted crops, weeded, harvested fruits and cleaned seeds.*

Earth Sky Time Community Farm and Wood Fired Bakery. Manchester, VT 2014-2015

### **Farm crew member**

*Experience with seeding, planting, mulching, weeding, and harvesting a variety of vegetables. Cared for flock of 150 chickens. Set up and ran weekly farmers market.*

Chicago Botanic Garden, Plant Science and Conservation. Glencoe, IL 2013-2014

### **12-month research technician for Stuart Wagenius, PhD**

*Worked as part of the Echinacea Project – analyzing the effects of habitat fragmentation on the ecology and evolution of the purple coneflower, *Echinacea angustifolia*.*