

Lydia Purinton English

Curriculum vitae June 2019

Department of Agronomy

Iowa State University

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EDUCATION

Iowa State University, Ames Iowa

M.S. Sustainable Agriculture and Ecology & Evolutionary Biology, 2017 – present (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

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

2018: ISU GPSS Professional Development Travel Grant (\$250)

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)

2017: ISU GPSS Professional Development Travel Grant (\$200)

ORAL PRESENTATIONS

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

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

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

2014: Flowering time is consistent between years for *Echinacea angustifolia*. Chicago Botanic Garden. Glencoe, Illinois.

POSTER PRESENTATIONS

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

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

2012: "Soil nutrient availability varies with field age, burn frequency, and herbivore treatments in the Carleton College Arboretum." Carleton College Research Symposium. Northfield, Minnesota.

PROFESSIONAL AND SERVICE ACTIVITIES

- 2019 – 2020. STRIPS leadership circle. Iowa State University.
- 2019: Co-president, Sustainable Agriculture Student Association, Iowa State University.
- 2019: Reviewer for *Journal of Applied Ecology*
- 2018: Reviewer for *Advances in Agriculture*
- 2018: Treasurer, Sustainable Agriculture Student Association, Iowa State University.

PROFESSIONAL DEVELOPMENT/SHORT COURSES

- 2019: Midwest Big Data Summer School. Iowa State University.
- Data Camp short courses
 - o 2019: Building Web Applications in R with Shiny
- 2018: Essentials of ArcGIS 10.4, Iowa State University.

ADDITIONAL RESEARCH EXPERIENCE

2016: University of Minnesota, Department of Ecology, Evolution and Behavior. 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.

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

2012: Carleton College, Biology Department. Research Assistant to Dan Hernandez, PhD
Participated in ecology research concerning the impact of herbivores on a Minnesota restored prairie.

OTHER WORK EXPERIENCE

2016: Minnesota Landscape Arboretum, garden crew.
Maintained display gardens in highly trafficked visitor areas. Helped coordinate planting of 38,000 tulip bulbs.

2015-2016: Honey and Rye Bakehouse, front of house staff.
Substantial customer service experience. Started a café garden to grow herbs and vegetables for the kitchen.

2015: Seed Savers Exchange, horticultural assistant.
Gained extensive sowing/greenhouse experience and participated in all aspects of field season: transplanted crops, weeded, released pollinators in insolation cages, and harvested fruit/seed.

2014-2015: Earth Sky Time Community Farm and Wood Fired Bakery, 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