

Lydia Purinton English

Curriculum vitae January 2019

Department of Agronomy

Iowa State University

lenglish@iastate.edu • lydia.english@gmail.com

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. (2018). Productivity and diversity of annually harvested reconstructed prairie communities. *Journal of Applied Ecology*.

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

Grants

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

July 2018 – January 2020: North Central Region Sustainable Agriculture Research and Education (NCR-SARE) “Linking Agricultural Production and Conservation Through In-field Prairie Plantings” (\$10,781)

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

Oral Presentations

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.

2014: The time is ripe: The effects of inbreeding on flowering phenology in *Echinacea angustifolia*. Quantitative Methods for Ecology and Conservation. Northwestern University, Evanston, Illinois.

Poster Presentations

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: Co-president, Sustainable Agriculture Student Association, Iowa State

2018: Reviewed journal article for *Advances in Agriculture*

2018: Treasurer, Sustainable Agriculture Student Association, Iowa State

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.

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

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 insulation cages, and harvested fruit/seed.

2015-2015: 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