

EDUCATION:

University of Nebraska-Lincoln – Doctor of Plant Health (DPH) | Lincoln, NE | In Progress

- Cross-disciplinary doctoral program: (<http://dph.unl.edu/>) | Advisor: Dr. Gary L. Hein
- Program start date: 08/2016
- Expected graduation: 12/2020 or 05/2021 | 59/100 credits completed
- 3.69/4.00

University of Nebraska-Lincoln – Master of Science in Agronomy | Lincoln, NE | In Progress

- Specialization: Weed Science: ([Jhala Lab](#)) | Advisor: Dr. Amit J. Jhala
- Program start date: 01/2018
- Expected graduation: 05/2020

Iowa State University – Bachelors of Science in Agronomy | Ames, IA | 05/2016

- Crop Business & Management Option
- Magna Cum Laude, 3.89/4.00

RESEARCH EXPERIENCE:

University of Nebraska-Lincoln – *Graduate Research Assistant* | Lincoln, NE | 01/2018- Present

- Collection of agronomic research data for university and industry sponsored research projects.
- Sprayed research protocols with CO₂ powered backpack sprayer, general plot maintenance.
- Analysis of data in R 3.5.2.
- MS Project- Chemical control of Roundup-Ready & LibertyLink volunteer corn in Enlist™ corn
 - RCB Study of seven different ACCase herbicides applied at two application timings.
 - Location: South Central Agricultural Laboratory, Clay Center, NE.
- MS Project- Economic Comparison of Herbicide Programs in Conventional, Glufosinate, and Glyphosate/ Dicamba-Resistant Soybeans Across Nebraska
 - Split-plot study of five PRE herbicide program followed by (fb) four POST herbicide programs.
 - Five Locations: Clay Center, Concord, Lincoln, North Platte, and Scottsbluff, NE.

University of Nebraska-Lincoln – *Graduate Research Assistant* | WCREC, North Platte, NE | 05-08/2017

- Collected agronomic research data for university and industry sponsored research trials.
- Sprayed research protocols with CO₂ powered backpack sprayer, general plot maintenance.

ISU: Schnable Laboratory – *Undergraduate Research Assistant* | Ames, IA | 08-12/2013

- Processed and bundled barcode ID Tags, collected soil samples, hand harvested corn, established seed inventory and prepared germination tests.

FIELD EXPERIENCE:

DuPont Pioneer – *Corn Research Intern II* | Marion, IA | 05-08/2016

- Collected agronomic data (stand counts, plant and ear heights, tissue sampling) for large-scale small plot corn research while working in both individual and group settings.
- Processed data for ongoing polymerized urea fertilizer research projects.

WinField United – *Agronomy Intern* | Eastern Iowa | 05-08/2015

- Commercial Pesticide Applicator License holder (Iowa Core, 1A, 1B, 1C, 10).
- Mixed/applied herbicide, fertilizer, and crop protectants at 6 AnswerPlots (small plot demos).
- Collected, recorded, and analyzed tissue sample data (+250).
- Presented information at ten AnswerPlot sessions in front of +50 growers and sellers.
- Conducted research projects over Y-Drop System, and Class Act® NG vs. Class Act® Ridion.
- Traveled extensively (16,500 miles) and worked unsupervised for weeks at a time.

Monsanto Company – *Pre-Commercial Corn Production Intern* | Manito, IL | 05-08/2014

- Supervised/oversaw eight field inspectors in daily tasks.
- Compiled daily field reports for detasseling schedules (cutting, rolling, walking, brushing).
- Scouted for weeds, rogued off-types, inspected fields for silk and tassel levels.

TEACHING EXPERIENCE:

University of Nebraska-Lincoln – Lead Instructor | Intercollegiate Crop Judging | Spring 2019

- Designed and co-instructed two-credit course with graduate teaching assistant to prepare students for regional and national crops judging contests hosted in the spring and fall to 14 enrolled students.
- 4th revision of course handbook to include additional species, minor fixes and improved family characteristics.

University of Nebraska-Lincoln – Lead Instructor | Intercollegiate Crop Judging | Fall 2018

- Co-instructed the course with graduate teaching assistant to prepare students for regional and national crops judging contests hosted in the spring and fall to 18 enrolled students.
- Revamped agronomic mathematics component to provide additional student feedback and review.
- Contest Results: American Society of Agronomy (2nd)

University of Nebraska-Lincoln – Lead Instructor | Intercollegiate Crop Judging | Spring 2018

- Instructed course to prepare students for regional and national crops judging contests to 24 enrolled students.
- Incorporated guest lectures from faculty in the Agronomy, Plant Pathology and Entomology departments.
- 3rd revision of course handbook to include additional species, minor fixes and remove copyrighted images.
- Hosted a regional SASES crops judging contest for 125 undergraduate students.
- Contest Results: NACTA (3rd), Kansas State (3rd), OPSU (3rd), SASES (3rd)

University of Nebraska-Lincoln – Lead Instructor | Intercollegiate Crop Judging | Fall 2017

- Designed and instructed a one-credit course to prepare students for regional and national crops judging contests to 15 enrolled students.
- Introduced weekly review sessions, practice quizzes and developed additional online resources.
- 2nd revision of course handbook to include additional species, and reorganize based on scientific families.
- Contest Results: American Society of Agronomy (4th)

University of Nebraska-Lincoln – Lead Instructor | Intercollegiate Crop Judging | Spring 2017

- Designed and implemented a one-credit course for undergraduate students interested in learning practical, agronomic knowledge and competing at intercollegiate crops judging contests to 10 enrolled students.
- Created a 225-page “Intercollegiate Crops Judging Handbook” for the identification of over 80 crop species, 60 weed species, 40 insects and 30 diseases ([available here](#)).
- Took high quality seed photographs of over 125 crop and weed species for handbook.
- 1st revision of course handbook for correcting errors and updating photographs.
- Contest Results: NACTA (3rd), Iowa State (3rd), NCTA (3rd)

Iowa State University – Undergraduate Teaching Assistant | Principles of Agronomy | 2014-2016

- Worked with Dr. Russell E. Mullen to enrich student comprehension of agronomic principles, created new curriculum and lead test review sessions/weekly help sessions for 150-200 Agronomy 114 students.

GRADUATE LEADERSHIP EXPERIENCE:

Nebraska FFA Association- State Agronomy Career Development Event Superintendent | 10/2017- Present

- Created, organized and hosted a state-level 200-question CDE for FFA members covering live crop and weed plant specimens, seed samples, plant pathology, entomology, soil science, and equipment identification.
- Revised state and district contest rules with committee of high school agriculture educators.
- 440 student contestants at the 2018 State FFA Convention ([more information here](#)).

PROFESSIONAL MEETING PRESENTATIONS & POSTERS:

North Central Weed Science Society (NCWSS) Annual Meeting – St. Louis, MO | 12/2017

- **Striegel, A., Werle, R., et al.** | Poster | Combining Herbicide Programs & Cereal Rye Cover Crops for Integrated Weed Management in Soybeans. *Third Place Poster- Cover Crops Division*

North Central Weed Science Society (NCWSS) Annual Meeting – St. Louis, MO | 12/2018

- **Striegel, A., Jhala, A. et al.** | Presentation | Control of Glyphosate/Glufosinate-Resistant Volunteer Corn in Enlist™ Corn.

Weed Science Society of America (WSSA) Annual Meeting – New Orleans, LA | 02/2019

- **Striegel, A., Jhala, A. et al.** | Poster | Comparison of Herbicide Programs in Conventional, Glufosinate, and Glyphosate/Dicamba-Resistant Soybeans Across Nebraska. *First Place Poster- Masters Student Division*

EXTENSION PRESENTATIONS:

UNL Weed Management Field Day– Clay Center, NE | 06/2018

- **Striegel, A.** Control of glyphosate/glufosinate resistant Volunteer Corn in Enlist Corn. University of Nebraska-Lincoln Extension

GRADUATE STUDENT HONORS & AWARDS:

- UNL: CASNR Week Outstanding Teacher Award Nominee | 2019
- UNL: CASNR Milton E. Mohr Outstanding Graduate Teaching Fellowship | 2018
- UNL: CASNR Outstanding Graduate Student Leadership Nominee | 2018
- UNL: William J. Curtis Fellowship | 2016-2017

UNDERGRADUATE STUDENT HONORS & AWARDS:

- GreenField Scholar: American Society of Agronomy | 2015
- Iowa State University Deans List | 8 of 8 semesters
- Alpha Zeta Honors Fraternity | 2013-2016 | *2014-15 Wilson Chapter Treasurer*
- Cardinal Keys | 04/2015 | *ISU Junior Initiate* (Top 0.005% GPA + Campus Involvement)
- Gamma Sigma Delta: Honor Society of Agriculture | 04/2014 | *ISU Junior Initiate*– Top 5% GPA CALS
- Top 2% GPA in Iowa State CALS | 2013-2014
- FFA American Degree Recipient | Fall 2013

UNDERGRADUATE ACHIEVEMENTS:

ISU: Intercollegiate Crops Judging Team – “*A-team*” Member | Fall 2014-Fall 2015

- NACTA Crops Judging Contest | Moline, IL – *1st Place Team, 5th Place Individual* | 04/2016
- GDRC International Crops Contest | NSW, Australia – *19th Place Individual* | 09/2014

Agriculture Future of America– *Howard Buffett Foundation’s 40 Chances Fellow Scholar* | Fall 2012-2016

UNIVERSITY & PROFESSIONAL AFFILIATIONS:

- Agronomy & Horticulture Graduate Student Association (UNL)
 - *Department social committee representative* | 2017
- NACTA Graduate Student Member
- North Central Weed Science Society- Graduate Student Member
- Weed Science Society of America- Graduate Student Member
- American Society of Agronomy/Crop Science Society of America- Graduate Student Member