

Ashley Dean

1344 ATRB, Department of Entomology, Iowa State University, Ames, IA 50011

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EDUCATION:

Iowa State University: Ames, Iowa

Bachelor of Science Degree: May 2017

Major: Agronomy

Minor: General Business

GPA: 3.75

Iowa State University: Ames, Iowa

Master of Science Degree: Dec. 2019

Major: Entomology

Minor: Crop Production & Physiology

GPA: 4.00

WORK EXPERIENCE:

Iowa State University – (Ames, IA) *Graduate Research Assistant* (May 2017 – present)

- Performed research relating to thesis and assisted with other projects
 - Scouted for soybean aphid at four Iowa locations
 - Set up exclusion cages, small and large, for various projects
 - Infested plants with soybean aphid

DuPont Pioneer – (Iowa) *South Central Iowa Agronomy Sales Intern* (May – August 2016)

- Performed field tasks with South Central Iowa Sales Team
 - Soil sampled in research plots
 - Stand counts, scouting, SCN sampling, disease ratings, and intern project tasks
 - Attended meetings with sales team
 - Entered data into online data systems

DuPont Pioneer – (Johnston, IA) *Insect Trait Characterization Intern 1* (May – August 2015)

- Performed field/lab research with Insect Trait Development (ITD)
 - Infested research fields with Western corn rootworm eggs
 - Conducted pressure checks at six research locations and assisted with plot maintenance
 - Infested and sampled plots for Soybean ITD
 - Rated damage severity for various ITD insect pest trials
- Oversaw field employees in daily tasks
 - Trained field employees on proper field procedures

Iowa State University – (Ames, IA) *Research Assistant* (August 2014 – May 2016)

- Processed corn seed samples for faculty research at Iowa State
 - Extracted corn embryos for genetic analysis
 - Weighed and shelled seed samples
 - Conditioned seed samples for germination tests
- Conducted warm and cold germination tests
 - Analyzed corn seedlings for growth defects and abnormalities

Easton Agri-Consulting – (Bagley, IA) *Research Technician Intern* (May - August 2014)

- Tended to research plots and performed various sampling activities
 - Planted, weeded, watered, and maintained plots
 - Collected soil samples (hand probe and tractor probe) and tissue samples on various row and vegetable crops
- Took stand counts and weed and disease ratings, mixed chemicals, and hand pollinated corn

Iowa State University – (Ames, IA) *Teaching Assistant* (August 2013 – May 2017)

- Graded coursework for five agronomy courses and entered data
- Assisted professor with tasks involving greenhouse work, organization, and contest preparations

SCHOLARSHIPS:

- Cain and Bogle Family Graduate Fellowship (2018-2019)
- Iowa Seed Association Scholarship (2017)
- ASA Golden Opportunity Scholar (2016-2017)
- Agronomy Academic Fellowship, Iowa State (2013-2017)
- Academic Recognition Award, Iowa State (2013-2017)
- Cardinal Scholar Award, Iowa State (2013-2015)

AWARDS:

- ESA-NCB M.S. Student 10-minute oral paper P-IE Section I – Second place (2018)
- ISU GPSA M.S. Student poster competition – Second place (2018)

ACTIVITIES:

- Iowa State University Crop Scout School, attendee (2018)
- ESA-North Central Branch conference attendee (2018)
- ESA Annual meeting conference attendee (2017)
- ASA-CSSA-SSSA annual meeting attendee (2016)
- SASES attendee (2016)
- Summer internship presentation at DuPont Pioneer (2015)
- American Seed Trade Association conference attendee (2015)

VOLUNTEER WORK:

- Food at First volunteer (2017)
- Harvest Fest volunteer (2017)
- Reggie's Sleepout volunteer (2011)

PROFESSIONAL MEMBERSHIPS:

- Entomological Society of America member (2017-present)
- Entomology Graduate Student Organization member (2017-present)
 - Secretary (2018-)
- Sustainable Agriculture Student Association member (2017-2018)
 - Secretary (2017-)
- ASA-CSSA-SSSA member (2016-2018)
- National Society of Collegiate Scholars (2014-2018)
- Agronomy Club member (2013-2015)

ORAL PRESENTATIONS:

- Entomological Society of America - North Central Branch meeting | March 19, 2018 | Madison, WI – Using soybean genetics to evaluate the value of soybean aphid management tactics. **Ashley Dean**, Shelby Pritchard, Erin Hodgson, and Matthew O'Neal.

POSTER PRESENTATIONS:

- Graduate Program in Sustainable Agriculture (GPSA) Poster Competition | April 18, 2018 | Ames, IA – Using soybean genetics to evaluate the value of soybean aphid management tactics. **Ashley Dean**, Shelby Pritchard, Erin Hodgson, and Matthew O'Neal.

- Graduate & Professional Student Senate (GPSS) Research Conference | April 11, 2018 | Ames, IA – Using soybean genetics to evaluate the value of soybean aphid management tactics. **Ashley Dean**, Shelby Pritchard, Erin Hodgson, and Matthew O’Neal.
- Entomological Society of America annual meeting | November 5-8 2017 | Denver, CO – Optimizing yield environments and soybean genetics for soybean aphid management. **Ashley Dean**, Shelby Pritchard, Erin Hodgson, and Matthew O’Neal.
- Global Food Security Consortium & the Leroy and Barbara Everson Seed and Biosafety Symposium | April 13-14, 2016 | Ames, IA – Physiological and Morphological Effects of Chemical Defoliation on Seed Corn. Katharina Wigg, **Ashley Dean**, A. Susana Goggi, and Erik Christian.
- Symposium on Undergraduate Research & Creative Expression | April 5, 2016 | Ames, IA - Physiological and Morphological Effects of Chemical Defoliation on Seed Corn. Katharina Wigg, **Ashley Dean**, A. Susana Goggi, and Erik Christian.

PUBLICATIONS:

- **Dean, Ashley**, Erin Hodgson, and Matthew O’Neal. 2018. Evaluation of Soybean Aphid Management Tactics. Farm Progress Reports: Vol 2017, Iss. 1, Article 89.