

# **CURRICULUM VITAE**

**for**

**Erin W. Hodgson**

Department of Entomology  
Iowa State University

December 2020

# Table of Contents

Work Experience .....	1
Awards.....	2
Supervision.....	3
Funded Grants .....	4
<b>EXTENSION (70%) .....</b>	<b>9</b>
Refereed or Peer-Reviewed Publications.....	9
Field Guides, Reports and Other Publications .....	14
Newsletter Articles and Fact Sheets.....	18
Extension Presentations.....	30
Field Day Demonstrations .....	47
Mixed-Media Delivery .....	56
<b>RESEARCH (20%).....</b>	<b>60</b>
Refereed Publications.....	60
Research Presentations .....	62
<b>SERVICE (10%).....</b>	<b>73</b>
Manuscript and Dossier Reviews .....	73
Organizational Service .....	74
<b>TEACHING (NO FORMAL APPOINTMENT).....</b>	<b>78</b>
Mentorships .....	78
Guest Lectures .....	81
<b>OUTREACH (NO FORMAL APPOINTMENT) .....</b>	<b>82</b>

## **Contact Information**

2005 ATRB, 2213 Pammel Dr.  
Department of Entomology  
Iowa State University  
Ames, Iowa 50011-1101



Phone: 515.294.2847; Email: [ewh@iastate.edu](mailto:ewh@iastate.edu)  
Twitter: [@erinwhodgson](https://twitter.com/erinwhodgson)  
ORCID: [0000-0003-2492-3558](https://orcid.org/0000-0003-2492-3558)  
Web: [www.ent.iastate.edu/people/erin-hodgson](http://www.ent.iastate.edu/people/erin-hodgson)

## **Education**

**Ph.D. Entomology** (2005), University of Minnesota, St. Paul, MN

June 2001 – May 2005. Adviser: David Ragsdale

Dissertation: Population dynamics and sampling of the soybean aphid

**M.S. Entomology** (2001), North Dakota State University, Fargo, ND

January 1999 – May 2001. Advisers: Gary Brewer and Ian MacRae

Thesis: Spatio-temporal distribution of immature sunflower midge using GIS

**B.S. Biology and B.S. Botany** (1998), North Dakota State University, Fargo, ND

August 1995 – December 1998

## **Work Experience**

**Professor** (July 2020 – present); Extension (70%), Research (20%), Service (10%)

Iowa State University, Ames, IA, Department of Entomology

- Field Crop Extension Entomology Specialist, ISU Extension and Outreach
- ANR Extension Crops Team Plan of Work Leader (2013 – present)
- ISU Moth Trapping Network Coordinator (2013 – present)
- ISU Adult Corn Rootworm Trapping Network Coordinator (2020 – present)
- Graduate Program for Sustainable Agriculture Faculty Member (2015 – present)

**Associate Professor** (July 2013 – June 2020); Extension (70%), Research (30%)

Iowa State University, Ames, IA, Department of Entomology

- Field Crop Extension Entomology Specialist, ISU Extension and Outreach

**Assistant Professor** (May 2009 – June 2013); Extension (70%), Research (30%)

Iowa State University, Ames, IA, Department of Entomology

- Field Crop Extension Entomology Specialist, ISU Extension and Outreach

**Assistant Professor** (March 2006 – April 2009); Extension (70%), Research (20%), Service (10%)

Utah State University, Logan, UT, Department of Biology

- Extension Entomology Specialist, USU Cooperative Extension
- Co-Director of the Utah Plant Pest Diagnostic Laboratory
- Co-State Survey Coordinator for the Utah Cooperative Agriculture Pest Survey Program

**Post-Doctoral Associate** (June 2005 – February 2006), Mentor: David Ragsdale

University of Minnesota, St. Paul, MN, Department of Entomology

## **Awards**

### ***Iowa State University***

21. ISU Award for Distinguished Service in Extension, 2020
20. Gamma Sigma Delta, Iowa Chapter Extension Mission Award, April 2020
19. NCB-ESA Educational Project Award: Be a bug catcher (**E. Hodgson** and A. Sisson), March 2020
18. NCB-ESA Educational Project Award: Extension Entomology Share Fair (**E. Hodgson** and B. McCornack, March 2019
17. ESA Plant-Insect Ecosystems IPM Team Award, November 2018 (Koch, **Hodgson**, Potter, MacRae, Glogoza, Knodel, Varenhorst, Gavloski, Siebert, Jorgenson, and Ellers-Kirk)
16. NCB-ESA Distinguished Achievement Award in Extension, March 2018
15. International IPM Award of Excellence: North Central Soybean Entomology Research and Extension Team, March 2018
14. ESA YouTube Your Entomology Contest: [Black cutworm adult trapping](#). (**E. Hodgson**, A. Sisson, and B. Kleinke), September 2016
13. NCB-ESA Educational Project Award: Corn rootworm management in the transgenic era webinar (R. Wright, M. Gray, **E. Hodgson**, K. Ostlie, L. Meinke, and J. Spencer), June 2015
12. Editor's Choice Award, Journal of Soil and Water Conservation (M. Al-Kaisi, R. W. Elmore, J. G. Guzman, H. M. Hanna, C. E. Hart, M. J. Helmers, **E. W. Hodgson**, A. W. Lenssen, A. P. Mallarino, A. E. Robertson, and J. E. Sawyer), April 2014
11. ESA YouTube Your Entomology Contest: [Join the resistance!](#) (T. Heidel-Baker, C. Hardin and **E. Hodgson**), November 2013
10. NCB-ESA Educational Project Award: Field Guide, Soybean aphid management, 2nd edition (**E. Hodgson**, M. O'Neal, A. Sisson, and D. Wright), June 2012
9. NCB-ESA Educational Project Award: Bulletin, Field crop insects management compendium (**E. Hodgson**, A. Sisson, D. Mueller, and D. Wright), June 2012
8. ESA YouTube Your Entomology Contest: [Japanese beetle](#) management in corn and soybean, November 2011
7. ESA YouTube Your Entomology Contest: [SoyPod DSS](#). (B. McCornack, **E. Hodgson**, and W. Johnson), November 2011
6. Iowa State University Extension and Outreach Team Achievement Award (B. Pringnitz and 27 others including **E. Hodgson**), November 2011
5. Iowa State University Outreach and Extension New Professional Award, November 2011
4. ESA YouTube Your Entomology Contest: [Using a sweep net](#) in soybean, December 2010
3. American Soybean Association Crop Adviser Institute Module Award, Alfalfa Insect Pests. A. Ciha, S. Barnhart, and **E. Hodgson**, Iowa State University, November 2010
2. Entomological Foundation Integrated Pest Management Award: Soybean Aphid IPM Team (D. Ragsdale and 38 others including **E. Hodgson**), December 2009
1. ESA YouTube Your Entomology Contest: [Chloe's monarch adventure](#) (**E. Hodgson** and B. Pringnitz), December 2009

### ***Utah State University***

2. Western Extension Directors Association Awards of Excellence, Honorable Mention. Utah Pests: Pest Diagnostics and Management Resources for Utah (D. Alston, **E. Hodgson**, M. Murray, and R. Davis), Utah State University Extension, August 2009
1. Extension Vice President's Team Award for Excellence; Utah Plant Pest Diagnostic Lab (D. Alston, K. Evans, **E. Hodgson**, M. Murray, J. Jenkins, and A. Roe), March 2007

### **University of Minnesota**

6. College of Graduate Students Leadership Award, May 2004 (\$250)
5. NCB-ESA Ph.D. Paper Competition, 1st, March 2004 (\$200)
4. ESA Ph.D. Paper Competition, 1st, October 2003 (\$100)
3. NCB-ESA Ph.D. Paper Competition, 1st, March 2003 (\$200)
2. ESA Ph.D. Poster Competition, 2nd, December 2001 (\$100)
1. U of M Graduate School Block Travel Awards, 2001-2003 (\$1,200 total)

### **North Dakota State University**

4. NCB-ESA M.S. Paper Competition, 2nd, March 2001 (\$100)
3. Contingency Travel Award, October 2000 (\$200)
2. Sigma Xi Student Paper Competition, 2nd, May 2000 (\$50)
1. Beatty Munro Scholarship, May 2000 (\$1,000)

### **Supervision**

5. Ashley Dean
  - Program Specialist III (2020 – present)
4. ANR Extension Crops Team Field Agronomists (2017 – present)
  - Meaghan Anderson, Field Specialist II
  - Terry Basol, Field Specialist II
  - Joel DeJong, Field Specialist IV
  - Paul Kassel, Field Specialist IV
  - Brian Lang, Field Specialist III, retired in 2020
  - Josh Michel, Field Specialist II
  - Angie Rieck-Hinz, Field Specialist III, IV (reclassified in 2018)
  - Aaron Saeugling, Field Specialist III, IV (reclassified in 2018)
  - Virgil Schmitt, Field Specialist IV
  - Rebecca Vittetoe, Program Specialist II, Field Specialist II (reclassified in 2019)
  - Mike Witt, Program Specialist II, III (reclassified in 2018)
3. Randall Cass
  - Program Specialist III (2017 – present)
2. Greg VanNostrand
  - Research Scientist I (2010 – 2016), II (reclassified in 2016; 2016 – present)
1. Ryan Davis
  - Insect Diagnostician (2007 – 2009)

### **Professional Development**

6. LEAD 21: Class 16, 2020 – 2021
5. Iowa State University Cardinal Women\* Program, 2019
4. Iowa State University Extension and Outreach eAccessibility Training for Adobe Acrobat and InDesign, 27 March 2019
3. Participant, Emerging Leaders Academy, Iowa State University, 2016 – 2017
2. Participant, National Extension Leadership Development Program, 2013
1. Participant, Project LEA/RN, Iowa State University, 2012 – 2013

## **Funded Grants**

TOTAL FUNDED TO DATE: \$11,922,117 [\$4,171,244 – reflects my effort]

TOTAL FUNDED AT ISU: \$10,396,738 [\$3,185,760 – reflects my effort]

FUNDED EFFICACY EVALUATIONS AT ISU: \$694,650 (see page 7)

### ***Iowa State University***

Submitted, "*Evaluating Diverse Approaches to Enhance the Sustainability of Rootworm Management*," Corteva Agriscience Innovation Grant, 2021-2024 (\$359,946; PI: A. Gassmann, Co-PI: E. Hodgson, M. McDaniel, P. Mitchell)

Submitted, "*Sustainable corn rootworm management in Iowa*," North Central Extension Risk Management Education Exploratory Grant, 2021-2022 (\$49,796); PI: Hodgson; Co-PI': Dean, Reick-Hinz, DeJong, Schmitt, Anderson, Witt.

58. "*Aphids and midges: something old and something new in Iowa soybean*," Iowa Soybean Association, 2020-2023 (\$90,000); PI: E. Hodgson

57. "*Detecting insecticide-resistant aphids before field failures cost farmers*," United States Department of Agriculture - National Institute of Food and Agriculture - Crop Protection and Pest Management Grant Program, 2021-2023 (\$175,542) [59,329]; PIs: O'Neal, Hodgson, Coates

56. "*Sustainable Corn Rootworm Management*," North Central Extension Risk Management Education Exploratory Grant, 2020 (\$3,000); PI: Hodgson

55. "*Soybean Gall Midge: Surveying the North Central Region, Adult Monitoring and Host Plant Resistance*," North Central Soybean Research Program, 2019 – 2022 (\$799,999) [259,891]; PI: McMechan; Co-PIs: Hodgson and 13 other people

54. "*Growing the Hop Industry Through Education to Iowa Craft Breweries and Consumers*," Iowa Department of Agriculture Land and Stewardship Specialty Crop Block Grant, 2019 – 2021 (\$23,964) [5,000]; PIs: C. Hartsook, E. Hodgson, and C. Chase

53. "*Crops Team Field Crop Production Handbook*," Iowa State University Extension and Outreach Mini-Grant Program, 2019-2020 (\$10,000); PI: Hodgson

52. "*Biology and Ecology of Soybean Gall Midge: An Emerging Pest*," Corteva Agriscience, 2019-2020 (\$25,000); PI: Hodgson

51. "*IPM for Soybean Gall Midge: Understanding Pest Ecology and Identifying Management Practices*," United States Department of Agriculture - National Institute of Food and Agriculture North Central Region IPM Center, 2019-2020 (\$50,000); PI: McMechan; Co-PIs: Wright, Hunt, Hodgson, and Varenhorst

50. "*Soybean Gall Midge: Identifying Management Opportunities for an Emerging Pest of Soybeans*," North Central Soybean Research CAP Program, 2019 – 2020 (\$60,000) [12,964]; PI: McMechan; Co-PIs: Wright, Hunt, Hodgson, Varenhorst and Potter

49. "*Soybean Entomology Research and Extension in the North Central Region*," North Central Soybean Research CAP Program, 2018 – 2020 (\$1,469,096) [60,000]; PI: Tilmon, Hodgson and 24 other people

48. "*International Extension Entomologists Share Fair*," United States Department of Agriculture - National Institute of Food and Agriculture North Central Region IPM Center Mini-Grants Program, 2018-2019 (\$61,236) [45,000]; PIs: E. Hodgson and B. McCornack
47. "*Corn Management Following Cereal Rye Cover Crop with Strip Tillage and In-Row Fertilization*," Iowa Nutrient Research Center, Iowa State University, 2018-2020 (\$114,822) [5,000], PIs: M. Licht and A. Robertson; Co-PIs: B. Hartzler, E. Hodgson, A. Lenssen
46. "*Improving Cereal Rye Cover Crop BMPs Ahead of Corn to Increase Adoption of Cover Crops by Iowa Farmers*," Iowa Nutrient Research Center, Iowa State University, 2018-2020 (\$348,422) [25,000], PIs: A. Robertson and M. Licht; Co-PIs: M. Castellano, B. Hartzler, M. Helmers, E. Hodgson, A. Lenssen, A. Mallarino, M. McDaniel, T. Moorman, A. Plastina, and D. Liang
45. "*North Central Region Extension Entomologists Maker Faire*," United States Department of Agriculture - National Institute of Food and Agriculture North Central Region IPM Center Mini-Grants Program, 2018 (\$3,386) [3,386]; PIs: E. Hodgson and B. McCornack
44. "*Extension and Research to Combat Insecticide-Resistant Soybean Aphids*," Iowa Soybean Association, 2017 – 2020 (\$291,103) [145,551]; PI: E. Hodgson and Co-PIs: M. O'Neal, J. Coats, and B. Coates
43. "*Remote Scouting of Soybean Aphid Using Spectral Reflectance and Unmanned Aerial Systems*," United States Department of Agriculture National Institute of Food and Agriculture, 2017 – 2018 (\$324,880) [56,000]; PI: R. Koch, and Co-PIs: I. MacRae, D. Malvick, H. Hurley, and E. Hodgson
42. "*Combining Crop Production and Conservation for Improved Bee Health*," United States Department of Agriculture - National Institute of Food and Agriculture - Agriculture and Food Research Initiative Grant, 2017 – 2020 (\$999,317) [111,272]; PIs: Toth, O'Neal, Dolezal and Hodgson
41. "*Cultivating Successful Hop Production Enterprises in Iowa*," Iowa Department of Agriculture Land and Stewardship Specialty Crop Block Grant, 2016 – 2017 (\$22,506) [11,253]; PIs: D. Cochran and E. Hodgson
40. "*Evaluating Soybean Aphid Management with an Expanded Toolbox*," Iowa Soybean Association, 2015 – 2018 (\$118,136); PI: E. Hodgson
39. "*Protecting Soybeans from Aphids, as Easy as (Rag) 1, 2, 3*," North Central Region Sustainable Agriculture Research and Education Grant Program, 2015 – 2018 (\$127,247) [63,624]; PIs: E. Hodgson and M. O'Neal
38. "*Soybean Entomology in the North Central Region: Management and Outreach for New and Existing Pests*," North Central Soybean Research CAP Program, 2015 – 2017 (\$1,471,133) [90,000]; PI: K. Tilmon, Hodgson and 24 other people
37. "*Impacts of Landscape Diversity on the Abundance and Health of Bee Pollinators*," Leopold Center for Sustainable Agriculture, 2014 – 2017 (\$102,468) [2,000]; PI: A. Toth, Co-PIs: A. Dolezal, M. O'Neal, and E. Hodgson

36. "Enhancing Soybean Yield Through Strategic Use of Soybean Seed Treatments for Seedling Disease and Insect Pest Management," Iowa Soybean Association, 2013 – 2016 (\$409,456) [102,364]; PI's: A. Robertson, G. Munkvold, G. Tylka and E. Hodgson
35. "Corn Rootworm Management Education in the Transgenic Era," North Central Regional Integrated Pest Management Grant, 2013 – 2014 (\$23,600) [4,000]; PI's: R. Wright, M. Gray, E. Hodgson, and A. Szczepanec
34. "Improving Soybean Insect Management," Iowa Soybean Association, 2012 – 2015 (\$110,052); PI: E. Hodgson
33. "Determining Soybean Pest and Pesticide Interactions as a Means to Optimize Soybean Yield," Iowa Soybean Association, 2012 – 2015 (\$201,206) [150,904]; PI's: Hodgson, Gassmann, Tylka
32. "Soybean Aphid Management, Resistance, and Outreach in the North Central Region," North Central Soybean Research CAP Program, 2012 – 2015 (\$2,127,000) [222,806]; PI: K. Tilmon, Hodgson and 24 other people
31. "Improving Detection and Management Strategies for Insects in Iowa Grapes," Iowa Department of Agriculture and Land Stewardship, Specialty Crop Block Grant Program, 2012 – 2014 (\$22,170); PI: E. Hodgson
30. "Exploring Soybean Aphid and Soybean Cyst Nematode Interactions for Improved Integrated Management in Iowa," Iowa Soybean Association, 2011 – 2014 (\$312,253) [15,000]; PIs: M. O'Neal, G. Tylka, G. MacIntosh, E. Hodgson and M. McCarville
29. "Japanese Beetle and Brown Marmorated Stink Bug: New Threats to Soybean Yield?," Iowa Soybean Association, 2011 – 2014 (\$35,000) [5,000]; PIs: M. O'Neal, E. Hodgson and R. Jurenka
28. "Providing Early Detection of Brown marmorated stink bug in Iowa," North Central Integrated Pest Management Center Mini-Grants Program, 2011 – 2012 (\$9,840) [7,500]; PIs: E. Hodgson, M. O'Neal and L. Jesse
27. "North Central IPM Extension Entomologists Working Group," North Central IPM Center (NCIPMC), 2010 – 2013 (\$93,375) [46,687]; PI: R. Wright, University of Nebraska-Lincoln and Co-PI: E. Hodgson. 2010: \$30,000; 2011: \$23,375, 2012: \$20,000; 2013: \$20,000
26. "Establishing Seed Treatment Recommendations for Iowa Soybean Growers," Iowa Soybean Association, 2010 – 2013 (\$174,652) [21,057]; PIs: A. Robertson, E. Hodgson, G. Munkvold
25. "Determining the Distribution and Pest Status of the Trochanter Mealybug, *Pseudococcus sorghiellus* (Forbes), on Soybean," USDA National Institute of Food and Agriculture, Critical Issues: Emerging and New Plant and Animal Pests and Diseases, 2010 – 2012 (\$89,000) [19,000]; PIs: R. Hammond, E. Hodgson and A. Michel
24. "Creating and Validating a Sampling Plan for Aphids in Corn," Iowa State University Agricultural Experiment Station Project #5274, 2010 (\$1,250); PI: E. Hodgson
23. "Improving Soil Quality by Conserving Insect Pathogens," Leopold Center on Sustainable Agriculture, 2010 – 2012 (\$50,954) [5,000]; PI: A. Gassmann and Collaborator: E. Hodgson

22. "Testing Rag1 and Rag2 Alone and Together: Is One Enough?," Iowa Soybean Association, 2010 – 2012 (\$26,000) [5,000]; PIs: M. O'Neal, E. Hodgson
21. "Test for Synergism between Entomopathogens and HerculexRW," Pioneer Hi-Bred International, 2010 – 2013 (\$30,000) [8,000]; PIs: A. Gassmann, S. Jaronski, E. Hodgson
20. "Formulating a Needs Assessment Survey, Providing IPM-Based Demonstrations, and Evaluating Plant Health Using Seed Treatments in Soybean," Iowa Soybean Association, 2009 – 2012 (\$37,340); PI: E. Hodgson
19. "Extension and Research to Facilitate the Incorporation of Soybean Aphid Resistant Varieties into Iowa Crop Production," Iowa Soybean Association, 2009 – 2011 (\$79,182) [25,000]; PIs: M. O'Neal, E. Hodgson, and A. Gassmann

**Insecticide Efficacy Evaluations:** \$694,650 generated between 2009 – 2020

Year	Dollars	Industry Partner(s)	Target Pest(s)
2009	8,000	Dow Dupont	Soybean aphid
2010	77,000	Bayer CropScience, Dow Dupont, FMC, Valent	Bean leaf beetle, Lepidoptera in corn, Soybean aphid
2011	69,500	BASF, Bayer CropScience, Dow Dupont, FMC, Gowan, Nichino, Syngenta	Aphids in corn, Bean leaf beetle, Lepidoptera in corn, Soybean aphid
2012	86,000	BASF, Bayer CropScience, Dow Dupont, FMC, Gowan, Grain Processing Company, Nichino, Syngenta, Valent	Aphids in corn, Bean leaf beetle, Lepidoptera in corn, Soybean aphid
2013	74,800	BASF, Bayer CropScience, Dow Dupont, FMC, Gowan, Nichino, Syngenta, Valent	Aphids in corn, Bean leaf beetle, Japanese beetle, Soybean aphid, Lepidoptera in corn
2014	40,000	Bayer CropScience, Chemtura, Dow Dupont, FMC, Nichino, Syngenta	Japanese beetle, Lepidoptera in corn, Soybean aphid
2015	58,000	Bayer CropScience, Dow Dupont, FMC, Nichino, Syngenta	Lepidoptera in corn, Soybean aphid
2016	68,750	Albaugh, BASF, Dow Dupont, FMC, Syngenta	Lepidoptera in corn, Soybean aphid
2017	36,400	Albaugh, BASF, FMC, Syngenta	Soybean aphid
2018	50,600	Albaugh, BASF, Dow Dupont, FMC, Nichino, Syngenta, United Phosphorus	Lepidoptera in corn, Soybean aphid
2019	77,100	BASF, Bayer, Corteva, FMC, Nichino, Syngenta, United Phosphorus, Valent	Soybean aphid, Soybean gall midge, Lepidoptera in corn, Japanese beetle
2020	53,500	BASF, Bayer, Corteva, Nichino, Syngenta, Valent	Soybean aphid, Soybean gall midge, Lepidoptera in corn, Japanese beetle
2021			

## **Utah State University**

18. "*Infrastructure Project*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2009 (\$114,306) ~\$35,000 supported my salary and benefits; PI: E. Hodgson
17. "*Imported Fire Ants*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2009 (\$17,465); PI: E. Hodgson and Co-PI: J. Pitts
16. "*Utah Plant Pest Diagnostic Laboratory*," Utah State Legislature On-Going Funding, 2008 – 2009 (\$100,000); PI: E. Hodgson and Co-PI: K. Evans
15. "*Organic Golf Course Management in Utah*," U.S. EPA, Pesticide Environmental Stewardship Program Regional Grant, EPA-OPP-08-001, 2008 – 2010 (\$50,500); PI: E. Hodgson and Co-PI: P. Johnson; subcontracting with P. Parker, Center for Resource Management
14. "*Imported Fire Ants*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2008 (\$17,046); PI: E. Hodgson and Co-PI: J. Pitts
13. "*Infrastructure Project*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2008 (\$114,306) ~\$33,000 supported my salary and benefits; PI: E. Hodgson
12. "*Silver Y Moth and Egyptian Cottonworm*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2008 (\$14,805); PI: E. Hodgson
11. "*Creating and Implementing Sampling Plans for Alfalfa Insects*," Utah State University, Agricultural Experiment Station Project #570. 2008 – 2009 (\$6,019); 2007 – 2008 (\$5,874); 2006 – 2007 (\$5,448); PI: E. Hodgson
10. "*Billbug Population Dynamics in Northern Utah Turfgrass*," Utah State University, New Faculty Research Grant, 2008 (\$10,046); PI: E. Hodgson
9. "*Evaluating the Effect of Rimon on Adult and Immature Alfalfa Leafcutting Bees*," Northwest Alfalfa Seed Research Council, Alfalfa Pollinator Research Grant, 2008 (\$8,000); PIs: E. Hodgson, T. Pitts-Singer, and J. Barbour
8. "*Examining Traditional Economic Thresholds for Alfalfa Weevil in Established Alfalfa*," Utah IPM and Sustainable Ag Mini-Grant Program, 2008 (\$1,784); PIs: C. Israelsen, M. Pace, M. Nelson, and J. Barnhill (USU Cooperative Extension County Agricultural Agents), E. Hodgson, and D. Feuz
7. "*Core Project*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2007 (\$97,412) ~\$31,000 supported my salary and benefits; PI: E. Hodgson
6. "*Silver Y Moth and Egyptian Cottonworm*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2007 (\$12,273); PI: E. Hodgson
5. "*Imported Fire Ants*," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Survey, 2007 (\$15,018); PI: E. Hodgson and Co-PI: J. Pitts
4. "*Developing a Bioassay to Evaluate Alfalfa Weevil Resistance in Alfalfa*," Utah State University Community/University Research Initiative Grant, 2007 (\$22,900); PIs: E. Hodgson, Y. Wu, D. Chen, and M. Peel

3. "Silver Y Moth and Egyptian Cottonworm," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2006 (\$10,335); PI: E. Hodgson and Co-PI: J. Karren
2. "Core Project," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2006 (\$97,843); PI: E. Hodgson and Co-PI: D. Alston. ~\$29,000 supports my salary and benefits

**University of Minnesota**

1. "Evaluating Speed Scouting for Soybean Aphid in Minnesota," Minnesota Crop Production Research Foundation, Inc., 2005 (\$1,000); PI: E. Hodgson and Co-PI: D. Ragsdale

**EXTENSION (70%)**

**Summary of extension publications and social media contributions**

Type of Media	06-09 <sup>Ω</sup>	09-12 <sup>σ</sup>	13-16 <sup>β</sup>	17-19 <sup>β</sup>	2020 <sup>Φ</sup>	2021 <sup>Φ</sup>	Total
Books, Refereed Publications	1	3	3	4	2		13
Peer-Reviewed Reports, Proceedings	1	10	11	11	2		35
Field Guides, Reports	7	17	5	6	3		38
Newsletter Articles, Fact Sheets, Other	65	81	50	44	18		258
Podcasts	0	41	58	30	13		142
Blog posts	0	53	33	62	14		162
Twitter followers	--	330	1,224	2,647	2,850		2,850

*Ω = includes activity at Utah State University from May 2006 through March 2009; σ = includes activity as an assistant professor at Iowa State University from April 2009 - June 2012; β = includes activity as an associate professor at ISU; and Φ = includes activity as a professor at ISU.*

**Book**

1. **Hodgson, E. W.** 2008. Gardening with good bugs, pp. 111. Leatherwood Press. ISBN 1934393010.

**Refereed or Peer-Reviewed Publications and Proceedings**

- xx. Hodgson, E. W., A. Dean, and M. E. Rice. Recognizing corn ear injury. *Journal of Integrated Pest Management, in preparation.*
- xx. Dean, A., **E. W. Hodgson**, M. Anderson, and A. Rieck-Hinz. Needs assessment for corn pest management in Iowa. *Journal of Integrated Pest Management, in preparation.*

- xx. **Hodgson, E. W.**, R. L. Koch, D. Reisig, J. A. Davis, S. V. Paula-Moraes, and A. Huseeth. Current distribution and severity of five caterpillars in U.S. soybean. *Journal of Integrated Pest Management*, *submitted January 2021*.
- xx. **Hodgson, E. W.**, R. L. Koch, J. A. Davis, D. Reisig, and S. V. Paula-Moraes. Identification and biology of common caterpillars in U.S. soybean. *Journal of Integrated Pest Management*, *submitted November 2020*.
- xx. McMechan, A. J., **E. W. Hodgson**, A. Varenhorst, T. Hunt, R. Wright, and B. Potter. First report of a new species, *Resseliella maxima* (Diptera: Cecidomyiidae), causing injury to soybean in the United States. *Journal of Integrated Pest Management*, *accepted December 2020*.
- xx. **Hodgson, E. W.**, and M. Helton. 2021. Soybean gall midge efficacy screening program, 2020. Entomological Society of America Arthropod Management Tests, *accepted December 2020*.
53. **Hodgson, E. W.**, and G. VanNostrand. 2021. Soybean gall midge efficacy screening program, 2020. Entomological Society of America Arthropod Management Tests. DOI: [10.1093/amt/tsaa053](https://doi.org/10.1093/amt/tsaa053).
52. **Hodgson, E. W.**, A. N. Dean, and Z. Wang. 2020. Using immediate feedback cards in extension. *Journal of Extension*. [v58-4rb4](https://doi.org/10.1093/ae/tmaa009).
51. **Hodgson, E. W.**, and G. VanNostrand. 2020. Soybean aphid efficacy screening program, 2019. Entomological Society of America Arthropod Management Tests. DOI: [10.1093/amt/tsaa053](https://doi.org/10.1093/amt/tsaa053).
50. Lagos-Kutz, D., D. J. Voegtlin, D. Onstand, D. Hogg, D. Ragsdale, K. Tilmon, **E. Hodgson**, C. DiFonzo, R. Groves, C. Krupke, J. LaForest, N. J. Seiter, E. Duerr, B. Bradford, and G. L. Hartman. 2020. The soybean aphid suction trap network: sampling the aerobiological "soup." *American Entomologist*. DOI: [10.1093/ae/tmaa009](https://doi.org/10.1093/ae/tmaa009).
49. **Hodgson, E. W.** Field crop pest management updates from 2019, p. 23. *In Proceedings: Iowa State University Crop Advantage Series*, Ames, IA, January 2020.
48. McMechan, J. and **E. Hodgson**. Soybean gall midge: ecology and potential management strategies, pp. 89-93. *In Proceedings: 31st Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 4-5 December 2019.
47. Dean, A., M. O'Neal, **E. Hodgson**, I. Valmorbidia, J. Hohenstein, and B. Coates. Building a budget for pest resistance, pp. 69-73. *In Proceedings: 31st Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 4-5 December 2019.
46. **Hodgson, E. W.**, and G. VanNostrand. 2019. Soybean aphid efficacy screening program, 2018. Entomological Society of America Arthropod Management Tests. DOI: [10.1093/amt/tsz013](https://doi.org/10.1093/amt/tsz013).
45. Shanovich, H. N., A. D. Dean, R. L. Koch, and **E. W. Hodgson**. 2019. Biology and management of Japanese beetle (Coleoptera: Scarabaeidae) in corn and soybean. *Journal of Integrated Pest Management*. DOI: [10.1093/jipm/pmz009](https://doi.org/10.1093/jipm/pmz009).
44. **Hodgson, E. W.** On the lookout for a new soybean pest, p. 14. *In Proceedings: Iowa State University Crop Advantage Series*, Ames, IA, January 2019.

43. Koch, R. L., **E. W. Hodgson**, J. J. Knodel, A. J. Varenhorst, and B. D. Potter. 2018. Management of insecticide-resistant soybean aphids in the Upper-Midwest. *Journal of Integrated Pest Management*. DOI: [10.1093/jipm/pmy014](https://doi.org/10.1093/jipm/pmy014).
42. **Hodgson, E. W.**, and J. McMechan. Fly in the ointment: soybean gall midge is a new pest, pp. 31-33. *In Proceedings: 30th Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 28–29 November 2018.
41. **Hodgson, E. W.**, and G. VanNostrand. 2018. Evaluation of insecticides for control of soybean aphid, 2017. *Entomological Society of America Arthropod Management Tests*. DOI: [10.1093/amt/tsx045](https://doi.org/10.1093/amt/tsx045).
40. **Hodgson, E. W.** 2018. Using immediate feedback to improve short-term learning in extension. *Journal of Integrated Pest Management*. DOI: [10.1093/jipm/pmy001](https://doi.org/10.1093/jipm/pmy001).
39. **Hodgson, E. W.** Use IPM to manage field crop pests, p. 19. *In Proceedings: Iowa State University Crop Advantage Series*, Ames, IA, January 2018.
38. **Hodgson, E. W.**, and M. E. Rice. 2017. Ecology and management of European corn borer in Iowa field corn, 12 pp. Iowa State University Extension and Outreach, Publication CROPR 3139.
37. **Hodgson, E. W.**, and G. VanNostrand. 2017. Evaluation of insecticides for control of soybean aphid, 2016. *Entomological Society of America Arthropod Management Tests*. DOI: [10.1093/amt/tsx045](https://doi.org/10.1093/amt/tsx045).
36. Andow, D. A., R. W. Wright, **E. Hodgson**, T. Hunt, and K. R. Ostlie. 2017. Farmers' perspectives on resistance in western corn rootworm to CRW-Bt maize in Midwest USA. *Journal of Agricultural Extension and Rural Development*. 9: 27-38. DOI: [10.5897/JAERD2016.0827](https://doi.org/10.5897/JAERD2016.0827).
35. **Hodgson, E. W.** Resistance management plan for soybean aphid, pp. 95-96. *In Proceedings: 29th Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 29–30 November 2017.
34. **Hodgson, E. W.** Resistance management for soybean aphid, p. 14. *In Proceedings: Iowa State University Crop Advantage Series*, Ames, IA, January 2017.
33. Koch, R., B. Potter, **E. Hodgson**, C. Krupke, J. Tooker, C. DiFonzo, A. Michel, K. Tilmon, T. Prochaska, J. Knodel, R. Wright, T. Hunt, B. Jensen, K. Estes, and J. Spencer. 2016. The biology and economics behind soybean aphid insecticide recommendations. *Plant Health Progress*. 17: 265-269. DOI: [10.1094/PHP-RV-16-0061](https://doi.org/10.1094/PHP-RV-16-0061).
32. **Hodgson, E. W.**, and G. VanNostrand. 2016. Evaluation of insecticides for control of soybean aphid, 2015. *Entomological Society of America Arthropod Management Tests*. DOI: [10.1093/amt/tsw041](https://doi.org/10.1093/amt/tsw041).
31. **Hodgson, E. W.** 2016. Getting to know the insects, 12 pp. Iowa State University Extension and Outreach, Publication [PMR 1021](#).

30. **Hodgson, E. W.** Resistance management for soybean aphid, pp. 97-99. *In Proceedings: 28th Annual Iowa State University Integrated Crop Management Conference, Ames, IA, 30 November – 1 December 2016.*
29. **Hodgson, E. W.** Corn rootworm management and soybean aphid management update, pp. 13, 17. *In Proceedings: Iowa State University Crop Advantage Series, Ames, IA, January 2016.*
28. **Hodgson, E. W.**, R. Wright, M. Gray, T. Hunt, K. Ostlie, and D. Andow. 2015. Farmer response to resistance issues in corn rootworm to Bt corn: qualitative analysis of focus groups. *Journal of Extension*, [2RIB7](#).
27. **Hodgson, E. W.**, and G. VanNostrand. 2015. Evaluation of insecticides for control of soybean aphid, 2014. *Entomological Society of America Arthropod Management Tests*. DOI: [10.1093/amt/tsv138](#).
26. **Hodgson, E. W.**, M. Dunbar, M. O'Neal, and A. Gassmann. Managing cover crop pests for corn and soybean production, pp. 77-80. *In Proceedings: 27th Annual Iowa State University Integrated Crop Management Conference, Ames, IA, 2–3 December 2015.*
25. **Hodgson, E. W.**, and G. VanNostrand. 2014. Soybean aphid efficacy screening program, 2013. *Entomological Society of America Arthropod Management Tests*. DOI: [10.4182/amt.2014.F46](#).
24. **Hodgson, E. W.**, and T. C. Leskey. Biology, management and distribution of brown marmorated stink bug, pp. 75-77. *In Proceedings: 26th Annual Iowa State University Integrated Crop Management Conference, Ames, IA, 3–4 December 2014.*
23. **Hodgson, E. W.** Corn rootworm resistance management and soybean aphid IPM using host plant resistance, pp. 8-9. *In Proceedings: Iowa State University Crop Advantage Series, Ames, IA, January 2014.*
22. Al-Kaisi, M. M., R. W. Elmore, J. G. Guzman, H. M. Hanna, C. E. Hart, M. J. Helmers, **E. W. Hodgson**, A. W. Lenssen, A. P. Mallarino, A. E. Robertson, and J. E. Sawyer. 2013. Drought impact on crop production and the soil environment: 2012 experiences from Iowa. *Journal of Soil and Water Conservation*. DOI: [10.2489/jswc.68.1.19A](#).
21. **Hodgson, E. W.** Managing the usual suspects in soybean, pp. 69-73. *In Proceedings: 25th Annual Iowa State University Integrated Crop Management Conference, Ames, IA, 4–5 December 2013.*
20. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm management update and recommendations, pp. 4-5. *In Proceedings: Iowa State University Crop Advantage Series, Ames, IA, January 2013.*
19. Johnson, P. G., A. Van Dyke, **E. Hodgson**, M. Murray, and K. Kopp. 2012. Interest, incentives, and education towards organic golf course management: a study of Utah golf course superintendents. *Applied Turfgrass Science*. DOI: [10.1094/ATS-2012-0320-01-TT](#).
18. **Hodgson, E. W.**, M. Kemis, and B. Geisinger. 2012. Assessment of Iowa soybean growers for insect pest management practices. *Journal of Extension*. [RIB6](#).

17. **Hodgson, E. W.**, B. P. McCornack, K. J. Tilmon, and J. Knodel. 2012. Management recommendations for soybean aphid (Hemiptera: Aphididae) in the United States. *Journal of Integrated Pest Management*. DOI: [10.1603/IPM11019](https://doi.org/10.1603/IPM11019).
16. **Hodgson, E. W.**, and M. McCarville. Spider mite management for corn and soybean, pp. 103-107. *In Proceedings: 24th Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 28–29 November 2012.
15. **Hodgson, E. W.** Update on corn rootworm resistance and soybean aphid, p. 11. *In Proceedings: Iowa State University Crop Advantage Series*, Ames, IA, January 2012.
14. **Hodgson, E. W.**, and G. VanNostrand. 2011. Evaluation of insecticides for control of soybean aphid, 2009. *Entomological Society of America Arthropod Management Tests*. DOI: [10.4182/amt.2011.F87](https://doi.org/10.4182/amt.2011.F87).
13. Tilmon, K. J., **E. W. Hodgson**, M. E. O'Neal, and D. W. Ragsdale. 2011. Biology of the soybean aphid, *Aphis glycines* (Hemiptera: Aphididae) in the United States. *Journal of Integrated Pest Management*. DOI: [10.1603/IPM10016](https://doi.org/10.1603/IPM10016).
12. **Hodgson, E. W.**, C. Kuntz, M. E. O'Neal, and G. VanNostrand. Japanese beetle biology and management in corn and soybean, pp. 63-66. *In Proceedings: 23rd Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 30 November – 1 December 2011.
11. **Hodgson, E. W.**, and G. VanNostrand. Update on the soybean aphid efficacy evaluation program, pp. 59-61. *In Proceedings: 23rd Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 30 November – 1 December 2011.
10. **Hodgson, E. W.** Research update on host plant resistance for soybean aphid, p. 11. *In Proceedings: Iowa State University Crop Advantage Series*, Ames, IA, January 2011.
9. **Hodgson, E. W.**, and M. E. O'Neal. Research update on host plant resistance for soybean aphid, pp. 53-57. *In Proceedings: 22nd Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 1–2 December 2010.
8. **Hodgson, E. W.**, T. L. Pitts-Singer, and J. D. Barbour. Evaluating novaluron mortality of immature alfalfa leafcutting bees, pp. 49-53. *In Proceedings: 2010 Winter Seed School Conference of Western Alfalfa Seed Growers Association*, Las Vegas, NV, 17–19 January 2010.
7. **Hodgson, E. W.** Aphids: A sticky situation in corn and soybean, p. 16. *In Proceedings: Iowa State University Crop Advantage Series*, Ames, IA, January 2010.
6. **Hodgson, E. W.**, N. P. Schmidt, and M. E. O'Neal. Landscape summary of aphid suction trapping network since 2005, pp. 111-115. *In Proceedings: 21st Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 2–3 December 2009.
5. **Hodgson, E. W.**, K. D. Johnson, and M. E. O'Neal. A new chemistry for managing soybean aphid, pp. 107-109. *In Proceedings: 21st Annual Iowa State University Integrated Crop Management Conference*, Ames, IA, 2–3 December 2009.

4. Ragsdale, D. W., **E. W. Hodgson**, B. P. McCornack, K. A. Koch, R. C. Venette, and B. D. Potter. Soybean aphid and the challenge of integrating recommendations within an IPM system, pp. 103-110. *In Proceedings: Illinois Crop Protection Technology Conference, Urbana-Champaign, IL, 4–5 January 2006.*
3. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Within-field distribution of sunflower midge using GIS, pp. 10-13. *In Proceedings: 23rd Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 17–18 January 2001.*
2. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Spatial distribution of sunflower midge *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae), pp. 26-30. *In Proceedings: 11th Annual Great Plains Sunflower Insect Workshop, Fargo, ND, 13–14 April 2000.*
1. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Spatial distribution of sunflower midge *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae), pp. 10-13. *In Proceedings: 22nd Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 18–19 January 2000.*

### **Field Guides, Reports and Other Publications**

#### ***Iowa State University (click on blue titles to access publication)***

- xx. **Hodgson, E. W.**, and A. Sisson. 2020. Field crop insects, xx pp (2nd edition). Iowa State University Extension, Publication CSI 0014. *In preparation.*
- xx. Sisson, A. J., D. S. Mueller, S. P. Conley, C. K. Gerber, S. H. Graham, **E. W. Hodgson**, T. R. Leglieter, P. P. Price, K. J. Schaefer, E. J. Sikora, T. H. Wilkerson, and K. L. Wise. Crop scouting basics for corn and soybean. Crop Protection Network CPN 4007. DOI: xxx
45. **Hodgson, E. W.**, G. VanNostrand, A. Dean, and M. Helton. 2020. 2020 Yellow Book Report of insecticide evaluation for soybean pests, 34 pp. Department of Entomology, Iowa State University, Publication CROP 3198.
44. **Hodgson, E. W.**, A. Gassmann, and A. Dean. 2020. Current challenges in managing corn rootworm. Iowa State University Extension and Outreach, Publication 3169.
43. **Hodgson, E. W.**, and A. Dean, V. Schmitt, and N. Seiter. 2020. Insect and mite management, pp. 109-116. *In Hodgson, Licht, and Sisson [eds.], Field Crop Production Handbook, Iowa State University Extension and Outreach, Publication 3162.*
42. **Hodgson, E. W.**, G. VanNostrand, A. Dean, and M. Helton. 2019. 2019 Yellow Book Report of insecticide evaluation for soybean pests, 36 pp. Department of Entomology, Iowa State University, Publication CROP 3197.
41. **Hodgson, E. W.** 2019. Be a bug catcher: learn to collect, identify, and preserve insects, 72 pp. Iowa State University Extension and Outreach, Publication IPM 0084.
40. **Hodgson, E. W.**, and A. Dean. 2018. Soybean gall midge: a new field crop pest, 2 pp. Iowa State University Extension and Outreach, Publication CROP 3157.

39. **Hodgson, E. W.**, G. VanNostrand, and A. Dean. 2018. 2018 Yellow Book Report of insecticide evaluation for soybean pests, 21 pp. Department of Entomology, Iowa State University, Publication 304-18.
38. **Hodgson, E. W.**, and R. Koch. 2018. Soybean aphid management field guide for the north-central region, 62 pp. (2nd edition). North Central Soybean Research Program, [Publication IPM 0060](#).
37. Koch, R., **E. Hodgson**, J. Knodel, and A. Varenhorst. 2018. Management of insecticide-resistant soybean aphids, 4. pp. North Dakota State University, [Publication E1878](#).
36. **Hodgson, E. W.**, and G. VanNostrand. 2017. 2017 Yellow Book Report of insecticide evaluation for soybean pests, 22 pp. Department of Entomology, Iowa State University, [Publication 302-17](#).
35. Lizotte, E., **E. Hodgson**, and M. Filotas. 2017. Hop scouting pocket guide for the U.S. Upper Midwest and Northeast, and Eastern Canada, 60 pp. Michigan State University Integrated Pest Management Program.
34. Mueller, D., A. Sisson, L. Abendroth, **E. Hodgson**, L. Iles, B. Kleinke, C. McGrath, R. Pope, A. Robertson, and K. Schaefer. 2017. Field crop scouting. Iowa State University Extension and Outreach. Interactive Web Book: <https://bleepblorp.pub>.
33. **Hodgson, E. W.**, and G. VanNostrand. 2016. 2016 Yellow Book Report of insecticide evaluation for soybean pests, 22 pp. Department of Entomology, Iowa State University, Publication 300-16.
32. Krupke, C., W. Bailey, C. DiFonzo, **E. Hodgson**, T. Hunt, K. Jarvi, B. Jensen, J. Knodel, R. Koch, B. McCornack, A. Michel, J. Peterson, B. Potter, A. Szczepaniec, K. Tilmon, J. Tooker, and S. Zukoff. 2015. The effectiveness of neonicotinoid seed treatments in soybean, 8 pp. Purdue University, Publication E-268.
31. **Hodgson, E. W.**, and G. VanNostrand. 2015. 2015 Yellow Book Report of insecticide evaluation for soybean pests, 26 pp. Department of Entomology, Iowa State University, Publication 298-15.
30. **Hodgson, E. W.**, and G. VanNostrand. 2014. 2014 Yellow Book Report of insecticide evaluation for soybean pests, 21 pp. Department of Entomology, Iowa State University, Publication 296-14.
29. **Hodgson, E. W.**, and G. VanNostrand. 2013. 2013 Yellow Book Report of insecticide evaluation for soybean pests, 25 pp. Department of Entomology, Iowa State University, Publication 294-13.
28. Heidel-Baker, T., **E. W. Hodgson**, and M. O'Neal. 2013. Conserving bees in Iowa field crops, 2 pp. Department of Entomology, Iowa State University, Publication 293-13.
27. **Hodgson, E. W.**, and T. Heidel-Baker. 2013. Soybean aphid management field guide for the north-central region, 56 pp. North Central Soybean Research Program, CSI 0060.
26. McCarville, M., **E. Hodgson**, and M. O'Neal. 2012. Soybean aphid-resistant soybean varieties for Iowa, 4 pp. Iowa State University Extension Publication, PM 3023 (2nd edition).
25. **Hodgson, E. W.**, and G. VanNostrand. 2012. 2012 Yellow Book Report of insecticide evaluation for soybean pests, 35 pp. Department of Entomology, Iowa State University, Publication 291-12.

24. **Hodgson, E.**, and A. Gassmann. 2012. Sustainable corn rootworm management in Iowa, 2 pp. Department of Entomology, Iowa State University, Publication 290-12.
23. Sisson, A., **E. Hodgson**, L. Jesse, D. Mueller, and M. E. Rice. 2012. Scouting card: Identifying moths in black light and pheromone traps in the Midwest. Iowa State University Extension and Outreach, Publication CSI 0022.
22. Sisson, A., D., Mueller, A. Robertson, **E. Hodgson**, K. Schaefer, M. Licht, and C. McGrath. 2012. Scouting cards. Iowa State University Extension and Outreach:
- Early season corn scouting, Publication CSI 0017
  - Mid-season corn scouting, Publication CSI 0018
  - Late season corn scouting, Publication CSI 0019
  - Early season soybean scouting, Publication CSI 006
  - Mid-season soybean scouting, Publication CSI 007
  - Late season soybean scouting, Publication CSI 008
21. McCarville, M., **E. Hodgson**, and M. O'Neal. 2012. Soybean aphid-resistant soybean varieties for Iowa, 4 pp. Iowa State University Extension, Publication PM 3023.
20. **Hodgson, E. W.**, D. Mueller, and A. Sisson. 2012. Field crop insects, 74 pp. Iowa State University Extension, Publication CSI 0014.
19. Hadi, B.A.R., K. Tilmon, **E. W. Hodgson**, M. O'Neal, D. Ragsdale, J. Bradshaw, J. Knodel, K. Ostlie, B. Potter, and R. Wright. 2011. Integrated arthropod pest management, 35 pp. *In* D. Deneke [ed.], Alternative practices for agricultural crop nutrient and pest management for South Dakota. South Dakota State University, Brookings, SD.
18. **Hodgson, E. W.**, and G. VanNostrand. 2011. 2011 Yellow Book Report of insecticide evaluation for soybean insects, 31 pp. Department of Entomology, Iowa State University, Publication 288-11.
17. **Hodgson, E. W.** 2011. Scouting card: Speed Scouting for soybean aphid. Iowa State University Extension and Outreach, Publication CSI 0015.
16. Jesse, L., **E. W. Hodgson**, D. Lewis, M. O'Neal, and A. Sisson. 2011. Scouting card: Stink bugs of the Midwest. Iowa State University Extension and Outreach Publication PM 3012.
15. **Hodgson, E. W.** 2011. Creating an entomology project, 4 pp. Iowa State University Extension Publication [4H-422](#).
14. **Hodgson, E. W.**, and M. O'Neal. 2011. Soybean aphid management field guide, 2nd ed., 54 pp. Iowa State University Extension Publication CSI 0011.
13. **Hodgson, E. W.** 2011. Insects, pp. 36-50. *In* D. Mueller [ed.], Soybean disease and insect field guide, 2nd ed. Iowa State University Extension Publication CSI 0010.
12. Tilmon, K., **E. Hodgson**, M. O'Neal, and D. Ragsdale. 2011. Soybean aphid. *In* Northern Plains Integrated Pest Management Guide. [http://wiki.bugwood.org/NPIP:M:Soybean\\_aphid](http://wiki.bugwood.org/NPIP:M:Soybean_aphid).

11. **Hodgson, E. W.**, G. VanNostrand, and M. E. O'Neal. 2010. 2010 Yellow Book: Report of insecticide evaluation for soybean aphid, 14 pp. Department of Entomology, Iowa State University, Publication 287-10.
10. **Hodgson, E. W.** 2010. Insects, pp. 45-60. *In* D. Mueller and R. Pope [eds.], Corn field guide. Iowa State University Extension Publication CSI 0001.
9. O'Neal, M., **E. Hodgson**, K. Johnson, and G. VanNostrand. 2010. 2009 Yellow Book: Report of insecticide evaluation for soybean aphid, pp. 12. Department of Entomology, Iowa State University, Publication 285-10.
8. **Hodgson, E. W.**, M. O'Neal, and M. Chiozza. 2009. Host plant resistance to the soybean aphid, 4 pp. Department of Entomology, Iowa State University.

### **Utah State University**

7. **Hodgson, E. W.**, and R. Beard. 2008. Wood destroying pest control: Pesticide application and safety training study guide. Utah Department of Agriculture Division of Plant Industry.
6. **Hodgson, E. W.**, and G. Fisher. 2008. Pasture and grass hay pests, pp. 50-52. *In* C. Hollingsworth [ed.], Pacific Northwest 2008 Insect Management Handbook. Oregon State University.  
- revised in 2009, pp. 79-81.
5. **Hodgson, E. W.**, and G. Fisher. 2008. Rangeland pests, p. 52. *In* C. Hollingsworth [ed.], Pacific Northwest 2008 Insect Management Handbook. Oregon State University.  
- revised in 2009, pp. 81-82.
4. **Hodgson, E. W.**, and G. Fisher. 2007. Alfalfa hay pests. *In* C. Hollingsworth [ed.], Pacific Northwest 2007 Insect Management Handbook, pp. 44-50. Oregon State University.  
- revised in 2008, pp. 43-48; revised in 2009, pp. 70-76.
3. **Hodgson, E. W.**, and G. Fisher. 2007. Alfalfa seed pests, pp. 51-55. *In* C. Hollingsworth [ed.], Pacific Northwest 2007 Insect Management Handbook. Oregon State University.  
- revised in 2008, pp. 54-59; revised in 2009, pp. 51-55.
2. Ragsdale, D. W., **E. W. Hodgson**, B. P. McCornack, K. A. Koch, R. C. Venette, and B. D. Potter. 2006. Soybean aphid and the challenge of integrating recommendations within an IPM system. *In* E. B. Radcliffe, W. D. Hutchison, and R. E. Cancelado [eds.], Radcliffe's IPM World Textbook, University of Minnesota, St. Paul, MN. <http://ipmworld.umn.edu/ragsdale-soybean-aphid>.
1. **Hodgson, E. W.** 2006. The Insects, pp. 83-109. *In* Utah State University Cooperative Extension Master Gardener Program Manual. Utah State University. Peer-reviewed.

## **Newsletter Articles and Fact Sheets**

TOTAL PUBLISHED TO DATE: 253

TOTAL PUBLISHED AT ISU: 192

**Iowa State University (to access all articles, visit <https://crops.extension.iastate.edu/cropnews>)**

25x. Dean, A., and **E. Hodgson**. "Summary of 2020 insecticide evaluations for soybean pests." *In ICM News*. xx January 2021.

253. Dean, A., and **E. Hodgson**. "Corn rootworm monitoring network summary." *In ICM News*. 10 September 2020.

252. **Hodgson, E.** "Scouting reminders for spider mites." *In ICM News*. 20 July 2020.

251. Dean, A., and **E. Hodgson**. "Potato leafhoppers abundant in soybean and alfalfa." *In ICM News*. 10 July 2020.

250. Dean, A., **E. Hodgson**, and M. Helton. "Soybean gall midge larvae active in Iowa." *In ICM News*. 2 July 2020.

249. Dean, A., and **E. Hodgson**. "Planted non-Bt corn? Plan to scout for European corn borer." *In ICM News*. 19 June 2020.

248. **Hodgson, E.** "Watch for Japanese beetle emergence." *In ICM News*. 11 June 2020.

247. **Hodgson, E.**, and A. Dean. "Corn rootworm egg hatch getting a late start in Iowa." *In ICM News*. 9 June 2020.

246. Vittetoe, R., B. Lang, and **E. Hodgson**. "Aphids observed in alfalfa." *In ICM News*. 5 June 2020.

245. **Hodgson, E.**, and A. Dean. "Stalk borers moving in southern Iowa." *In ICM News*. 2 June 2020.

244. Dean, A., and **E. Hodgson**. "Scouting recommendations for black cutworm." *In ICM News*. 11 May 2020.

243. Dean, A., and **E. Hodgson**. "Alfalfa weevils active throughout Iowa." *In ICM News*. 6 May 2020.

242. **Hodgson, E.**, and A. Dean. "Mild winter favors bean leaf beetle." *In ICM News*. 24 April 2020.

241. Dean, A., and **E. Hodgson**. "Survival effects of fluctuating temperatures on insects." *In ICM News*. 22 April 2020.

240. Dean, A., and **E. Hodgson**. "Cold hardiness of insects and the impact of fluctuating temperatures." *In ICM Encyclopedia Article*. 17 April 2020.

239. **Hodgson, E.** "Seedcorn maggots flying in Iowa." *In ICM News*. 16 April 2020.

238. Corona, C., A. Dean, and **E. Hodgson**. "Getting to know popular insecticides used in Iowa field crops." *In ICM Encyclopedia Article*. 14 April 2020.

237. Dean, A., and **E. Hodgson**. "Corteva™ to End Chlorpyrifos Production: What Does this Mean for Iowa Farmers?" *In ICM News*. 21 February 2020.
236. Dean, A., and **E. Hodgson**. "Summary of 2019 insecticide evaluations for soybean pests." *In ICM News*. 13 January 2020.
235. Dean, A., and **E. Hodgson**. "Corn earworm picks up activity in Iowa." *In ICM News*. 23 September 2019.
234. Dean, A., and **E. Hodgson**. "Potato leafhopper management in alfalfa." *In ICM News*. 23 July 2019.
233. **Hodgson, E.** "Corn rootworm egg hatch peaking in southern Iowa." *In ICM News*. 18 June 2019.
232. **Hodgson, E.** "Stalk borers worth scouting in Iowa this summer." *In ICM News*. 18 June 2019.
231. **Hodgson, E.** "Japanese beetles get a slow start to 2019." *In ICM News*. 16 June 2019.
230. **Hodgson, E.** "Soybean gall midge confirmed in Iowa and Nebraska." *In ICM News*. 15 June 2019.
229. **Hodgson, E.** "Seedcorn maggots flying in Iowa." *In ICM News*. 13 May 2019.
228. **Hodgson, E.** "Alfalfa weevils active in northern Iowa?" *In ICM News*. 13 May 2019.
227. **Hodgson, E.**, and A. Sisson. "Another harsh winter for bean leaf beetle." *In ICM News*. 13 May 2019.
226. Dean, A., A. Sisson, and **E. Hodgson**. "Black cutworm monitoring 2019." *In ICM News*. 13 May 2019.
225. **Hodgson, E.** "Soybean aphid egg hatch starting in northern Iowa." *In ICM News*. 2 May 2019.
224. **Hodgson, E.** "Will the insects survive this winter?" *In ICM News*. 20 February 2019.
223. **Hodgson, E.** "2018 Insecticide evaluation for soybean aphid." *In ICM News*. 28 January 2019.
222. **Hodgson, E.** "When is it too late to spray for soybean aphid?" *In ICM News*. 8 August 2018.
221. **Hodgson, E.** "You 'mite' want to scout drought-stressed crops." *In ICM News*. 6 August 2018.
220. **Hodgson, E.** "Check your corn for aphids." *In ICM News*. 1 August 2018.
219. **Hodgson, E.** "New soybean pest in Iowa: soybean gall midge." *In ICM News*. 31 July 2018.
218. **Hodgson, E.** "Japanese beetle adults emerge in southern Iowa." *In ICM News*. 14 June 2018.
217. **Hodgson, E.** "Stalk borers moving in central and southern Iowa." *In ICM News*. 6 June 2018.
216. **Hodgson, E.** "Corn rootworm egg hatch peaked around Iowa." *In ICM News*. 29 May 2018.

215. Dean, A., A. Sisson, and **E. Hodgson**. "Black cutworm monitoring 2018." *In ICM News*. 18 May 2018.
214. **Hodgson, E.** "Soybean aphid egg hatch predicted in northern Iowa." *In ICM News*. 8 May 2018.
213. **Hodgson, E.** "Alfalfa weevils get a slow start in 2018." *In ICM News*. 26 April 2018.
212. **Hodgson, E.** "A tough winter for bean leaf beetle." *In ICM News*. 23 April 2018.
211. **Hodgson, E.** "Seedcorn maggot active in southern Iowa." *In ICM News*. 23 April 2018.
210. **Hodgson, E.** "Summary of soybean aphid efficacy evaluation for 2017." *In ICM News*. 21 December 2017.
209. **Hodgson, E.** "ID, life cycle and management of Colorado potato beetle." *In ICM News*. 21 December 2017.
208. **Hodgson, E.** "Hessian fly management in Iowa." *In ICM News*. 25 August 2017.
207. **Hodgson, E.** "Drought stress promotes spider mite injury." *In ICM News*. 21 July 2017.
206. **Hodgson, E.** "Japanese beetle." *In ICM Encyclopedia Article*. 21 June 2017.
205. **Hodgson, E.** "Imported longhorned weevil." *In ICM Encyclopedia Article*. 21 June 2017.
204. **Hodgson, E.** "Thistle caterpillar." *In ICM Encyclopedia Article*. 21 June 2017.
203. **Hodgson, E.** "Bean leaf beetle." *In ICM Encyclopedia Article*. 21 June 2017.
202. **Hodgson, E.** "Japanese beetles emerging in southern Iowa." *In ICM News*. 13 June 2017.
201. **Hodgson, E.** "Corn rootworm egg hatch peaking around Iowa." *In ICM News*. 12 June 2017.
200. **Hodgson, E.** "Stalk borers moving in southern Iowa." *In ICM News*. 26 May 2017.
199. **Hodgson, E.** "A pest of the past: have you seen hop vine borer?" *In ICM News*. 15 May 2017.
198. Sisson, A., and **E. Hodgson**. "Black cutworm monitoring 2017." *In ICM News*. 9 May 2017.
197. **Hodgson, E.** "Scouting for cover crop pests in Iowa." *In ICM News*. 24 April 2017.
196. **Hodgson, E.** "Alfalfa weevils active throughout southern and central Iowa." *In ICM News*. 10 April 2017.
195. **Hodgson, E.**, and A. Sisson. "Bean leaf beetle mortality predictions." *In ICM News*. 10 April 2017.
194. **Hodgson, E.** "Resistance management plan for soybean aphid." *In ICM News*. 15 February 2017.
193. **Hodgson, E.** "Managing aphids in corn." *In ICM News*. 23 August 2016.

192. **Hodgson, E.** "Bean leaf beetle activity noted in 2016." *In ICM News*. 4 August 2016.
191. **Hodgson, E.** "Spider mite injury confirmed in soybean." *In ICM News*. 6 July 2016.
190. **Hodgson, E.** "Corn rootworm egg hatch peaking in Iowa." *In ICM News*. 14 June 2016.
189. **Hodgson, E.** "Guidelines for using sticky traps to assess corn rootworm activity." *In ICM News*. 1 June 2016.
188. **Hodgson, E.**, and A. Sisson. "Stalk borers moving in southern Iowa." *In ICM News*. 31 May 2016.
187. **Hodgson, E.** "Aphids showing up in alfalfa." *In ICM News*. 17 May 2016.
186. Sisson, A., and **E. Hodgson**. "Black cutworm scouting 2016." *In ICM News*. 3 May 2016.
185. **Hodgson, E.** "Look for seedcorn maggot in corn soybean." *In ICM News*. 13 April 2016.
184. **Hodgson, E.**, and A. Gassmann. "Approaches for managing corn rootworm in Iowa." *In ICM News*. 16 March 2016.
183. **Hodgson, E.**, E. Clifton, G. Tylka, and A. Gassmann. "Managing two soybean pests to optimize yield." *In ICM News*. 11 February 2016.
182. **Hodgson, E.**, and A. Gassmann. "Corn rootworm management updates." *In ICM News*. 12 August 2015.
181. Varenhorst, A. and **E. Hodgson**. "A mix of soybean defoliators this summer." *In ICM News*. 24 July 2015.
180. Varenhorst, A. J., M. Dunbar, and **E. Hodgson**. "True white grub identification and management." *In ICM News*. 30 June 2015.
179. **Hodgson, E.** "Japanese beetles begin emergence." *In ICM News*. 16 June 2015.
178. **Hodgson, E.** "Corn rootworm egg hatch is in progress." *In ICM News*. 9 June 2015.
177. Ahlers, R., and **E. Hodgson**. "Check for wireworm injury when assessing corn stands." *In ICM News*. 28 May 2015.
176. **Hodgson, E.**, and A. Sisson. "Stalk borers are migrating to corn." *In ICM News*. 28 May 2015.
175. Varenhorst, A. J., M. Dunbar, and **E. Hodgson**. "True armyworm defoliating corn seedlings." *In ICM News*. 26 May 2015.
174. Sisson, A., L. Jesse, and **E. Hodgson**. "Black cutworm scouting 2015." *In ICM News*. 14 May 2015.
173. **Hodgson, E.**, A. Sisson, and L. Jesse. "Black cutworm moths captured throughout midwest." *In ICM News*. 24 April 2015.
172. **Hodgson, E.** "Alfalfa weevils active throughout Iowa." *In ICM News*. 14 April 2015.

171. **Hodgson, E.**, and A. Sisson. "Predicted mortality of bean leaf beetle is highly variable." *In ICM News*. 14 April 2015.
170. O'Neal, M., **E. Hodgson**, and T. Heidel-Baker. 2014. "Conserving bees in a small acreage farm." *In Acreage Living Newsletter*, p. 4. Volume 1: Fall 2014.
169. **Hodgson, E.** "Expected "fly free" date for Hessian fly in Iowa." *In ICM News*. 21 August 2014.
168. **Hodgson, E.**, and A. Gassmann. "Update on corn rootworm in Iowa." *In ICM News*. 20 August 2014.
167. **Hodgson, E.** "Soybean aphid numbers on the rise." *In ICM News*. 4 August 2014.
166. **Hodgson, E.** "Grasshopper activity observed." *In ICM News*. 11 July 2014.
165. **Hodgson, E.** "Japanese beetles emerge in Iowa." *In ICM News*. 13 June 2014.
164. **Hodgson, E.** "Corn rootworm egg hatch is underway in 2014." *In ICM News*. 4 June 2014.
163. **Hodgson, E.** "Managing potato leafhoppers in alfalfa." *In ICM News*. 2 June 2014.
162. **Hodgson, E.**, and A. Sisson. "Stalk borers are migrating to corn." *In ICM News*. 30 May 2014.
161. Sisson, A., L. Jesse, and **E. Hodgson**. "Black cutworm scouting 2014." *In ICM News*. 16 May 2014.
160. **Hodgson, E.** "Start scouting for alfalfa weevil with updated economic thresholds." *In ICM News*. 14 April 2014.
159. **Hodgson, E.**, and A. Sisson. "Predicted mortality of bean leaf beetle is highest in 25 years." *In ICM News*. 9 April 2014.
158. **Hodgson, E.**, K. Schaefer, and A. Gassmann. "Iowa farmer perception of corn rootworm resistance." *In ICM News*. 13 September 2013.
157. O'Neal, M., and **E. Hodgson**. "Best practices to promote pollinator habitat." *In ICM News*. 15 August 2013.
156. **Hodgson, E.** "Scout crops for aphids." *In ICM News*. 13 August 2013.
155. **Hodgson, E.**, and A. Gassmann. "Time to assess corn rootworm activity in Iowa." *In ICM News*. 31 July 2013.
154. Sisson, A., L. Jesse, and **E. Hodgson**. "2013 western bean cutworm scouting update." *In ICM News*. 10 July 2013.
153. **Hodgson, E.**, and C. Kuntz. "Japanese beetles begin emergence." *In ICM News*. 20 June 2013.
152. **Hodgson, E.**, and A. Sisson. "Corn rootworm hatch underway in 2013." *In ICM News*. 14 June 2013.
151. **Hodgson, E.**, and A. Sisson. "Stalk borers moving in southern Iowa." *In ICM News*. 3 June 2013.

150. **Hodgson, E.** "Slugs like wet weather." *In ICM News.* 29 May 2013.
149. Sisson, A., L. Jesse, and **E. Hodgson.** "2013 black cutworm scouting advisory." *In ICM News.* 18 May 2013.
148. **Hodgson, E.,** and M. O'Neal. "Bee health in the news." *In ICM News.* 9 May 2013.
147. **Hodgson, E.,** and A. Sisson. "Bean leaf beetle survival just above average." *In ICM News.* 2 May 2013.
146. **Hodgson, E.,** and A. Sisson. "Alfalfa weevil hatch is delayed in 2013." *In ICM News.* 2 May 2013.
145. Robertson, A., D. Mueller, S. Wiggs, and **E. Hodgson.** "2012 Evaluation of fungicide and insecticide seed treatments on soybean at three locations in Iowa." *In ICM News.* 15 April 2013.
144. McCarville, M., **E. Hodgson,** and M. O'Neal. "New options for soybean aphid host plant resistance." *In ICM News.* 4 December 2012.
143. **Hodgson, E.** "Fly free date for Hessian fly." *In ICM News.* 31 August 2012.
142. Gassmann, A., and **E. Hodgson.** "Managing western corn rootworm with Bt corn." *In ICM News.* 24 August 2012.
141. **Hodgson, E.** "Scout for twospotted spider mite this summer." *In ICM News.* 9 July 2012.
140. Eggenberger, S., F. W. Nutter, A. Gougherty, A. Robertson, and **E. Hodgson.** "Recent status of bean pod mottle virus insect vectors in Iowa." *In ICM News.* 3 July 2012.
139. Sisson, A., L. Jesse, and **E. Hodgson.** "Western bean cutworm scouting update 2012." *In ICM News.* 26 June 2012.
138. **Hodgson, E.** "Scouting for Japanese beetle." *In ICM News.* 12 June 2012.
137. Varenhorst, A., M. O'Neal, and **E. Hodgson.** "Early confirmation of twospotted spider mite." *In ICM News.* 8 June 2012.
136. **Hodgson, E.** "Insect activity update in late May." *In ICM News.* 1 June 2012.
135. **Hodgson, E.,** and A. Sisson. "Predicted corn rootworm hatch begins for 2012." *In ICM News.* 21 May 2012.
134. **Hodgson, E.** "Bean leaf beetles moving to soybean." *In ICM News.* 17 May 2012.
133. **Hodgson, E.,** and A. Sisson. "Start scouting for stalk borer." *In ICM News.* 8 May 2012.
132. Jesse, L., and **E. Hodgson.** "Moths abundant around Iowa." *In ICM News.* 26 April 2012.
131. Sisson, A., L. Jesse, and **E. Hodgson.** "Black cutworm scouting advisory." *In ICM News.* 25 April 2012.

130. **Hodgson, E.**, and C. Krupke. "Insecticidal seed treatments can harm honey bees." *In ICM News*. 6 April 2012.
129. **Hodgson, E.**, and A. Sisson. "Alfalfa weevil hatch is early in 2012." *In ICM News*. 2 April 2012.
128. McCarville, M., **E. Hodgson**, and M. O'Neal. "Options for soybean aphid host plant resistance." *In ICM News*. 14 March 2012.
127. **Hodgson, E.**, and A. Sisson. "Mild winter for bean leaf beetle." *In ICM News*. 13 March 2012.
126. Robertson, A., D. Mueller, S. Wiggs, and **E. Hodgson**. "2011 Evaluation of fungicide and insecticide seed treatments on soybean in Iowa." *In ICM News*. 22 February 2012.
125. **Hodgson, E.**, and L. Jesse. "What does this warm winter mean for insects?" *In ICM News*. 17 February 2012.
124. Mueller, D., A. Robertson, S. Wiggs, M. O'Neal, and **E. Hodgson**. "Evaluation of foliar fungicides and insecticides on soybean in 2011." *In ICM News*. 3 January 2012.
123. **Hodgson, E.**, and A. Gassmann. "First Iowa confirmation of resistance to Bt corn by western corn rootworm." *In ICM News*. 22 December 2011.
122. **Hodgson, E.** "Corn aphids explode." *In ICM News*. 20 August 2011.
121. **Hodgson, E.**, and M. McCarville. "A new bean leaf beetle threshold calculator is created." *In ICM News*. 15 August 2011.
120. **Hodgson, E.** "Drought stress favors grasshoppers and spider mites." *In ICM News*. 28 July 2011.
119. **Hodgson, E.** "Japanese beetle activity increases in Iowa." *In ICM News*. 22 July 2011.
118. Holmes, J., and **E. Hodgson**. Watch for midsummer insects. *In Soybean Source, Wallaces Farmer Magazine*, p. 40. July 2011.
117. Sisson, A., L. Jesse, and **E. Hodgson**. "Western bean cutworm scouting update." *In ICM News*. 1 July 2011.
116. **Hodgson, E.**, and A. Sisson. "Predicted corn rootworm egg hatch approaching." *In ICM News*. 23 June 2011.
115. **Hodgson, E.**, and J. Holmes. "Scouting reveals a mixture of caterpillars in corn." *In ICM News*. 20 June 2011.
114. **Hodgson, E.**, and A. Sisson. "Stalk borer scouting dates for 2011." *In ICM News*. 3 June 2011.
113. **Hodgson, E.** "Corn flea beetles are active in corn." *In ICM News*. 22 May 2011.
112. Sisson, A., L. Jesse, and **E. Hodgson**. "Black cutworm scouting advisory 2011." *In ICM News*. 5 May 2011.

111. **Hodgson, E.**, and A. Sisson. "More bean leaf beetles predicted this summer." *In ICM News*. 7 April 2011.
110. Nutter, F. W., A. Robertson, S. Eggenberger, and **E. Hodgson**. "A 2011 prediction for Stewart's disease of corn." *In ICM News*. 7 April 2011.
109. Jesse, L., and **E. Hodgson**. "Brown marmorated stink bug detection in Iowa." *In ICM News*. 28 February 2011.
108. Gassmann, A., and **E. Hodgson**. "SmartStax: Multi-trait corn offered by Dow and Monsanto." *In ICM News*. 26 October 2010.
107. Ritson, R., and **E. Hodgson**. "Stink bugs on the move." *In ICM News*. 16 August 2010.
106. **Hodgson, E.**, and M. O'Neal. "Will you need to treat for soybean aphid this year?" *In ICM News*. 16 August 2010.
105. **Hodgson, E.**, M. McCarville, and A. Varenhorst. "Add another soybean defoliator to the mix." *In ICM News*. 6 August 2010.
104. Robertson, A., L. Jesse, F. Iriarte, and **E. Hodgson**. "Common, weird and unusual spots showing up on corn." *In ICM News*. 3 August 2010.
103. McCarville, M., **E. Hodgson**, and M. O'Neal. "Green cloverworms appear in soybean." *In ICM News*. 12 July 2010.
102. Gassmann, A., and **E. Hodgson**. "Refuge in a bag is here: explaining the simplified refuge." *In ICM News*. 23 June 2010.
101. **Hodgson, E.**, and A. Sisson. "Stalk borer migration is quickly approaching." *In ICM News*. 8 June 2010.
100. **Hodgson, E.** "Threecornered alfalfa hopper found in Iowa." *In ICM News*. 8 June 2010.
99. **Hodgson, E.** "Curious cutworms in soybean fields." *In ICM News*. 3 June 2010.
98. **Hodgson, E.**, and A. Sisson. "Predicted corn rootworm hatch 2010." *In ICM News*. 28 May 2010.
97. **Hodgson, E.** "New invasive insect confirmed in Iowa." *In ICM News*. 25 May 2010.
96. **Hodgson, E.** "Watch for early-season isopods." *In ICM News*. 25 May 2010.
95. Sisson, A., L. Jesse, and **E. Hodgson**. "Black cutworm scouting advisory 2010." *In ICM News*. 11 May 2010.
94. **Hodgson, E.**, and A. Gassmann. "New corn trait deregulated in U.S." *In ICM News*. 10 May 2010.
93. Sisson, A., and **E. Hodgson**. "Alfalfa weevil scouting in 2010." *In ICM News*. 3 May 2010.
92. **Hodgson, E.** "Is preventative black cutworm control worth it?" *In ICM News*. 22 April 2010.

91. Sisson, A., L. Jesse, and E. **Hodgson**. "Black cutworm monitoring network update 2010." *In ICM News*. 21 April 2010.
90. Elmore, R. W., A. Gassmann, and **E. Hodgson**. Compliance or complacency: corn producers and Bt refuge. *In ICM News*. 6 April 2010.
89. **Hodgson, E.**, and N. Schmidt. "Bean leaf beetle predictions for 2010." *In ICM News*. 22 February 2010.
88. Jesse, L., and **E. Hodgson**, A. Sisson, and R. Pope. "Summary of 2009 western bean cutworm trapping program." *In ICM News*. 9 February 2010.
87. **Hodgson, E.** "Approaching Hessian fly-free dates in Iowa." *In ICM News*. 15 September 2009.
86. **Hodgson, E.**, and K. Holscher. "It's not too early to think about stored grain pests." *In ICM News*. 1 September 2009.
85. **Hodgson, E.**, and M. O'Neal. "Aphids are on the move, remember to scout in August!" *In ICM News*. 13 August 2009.
84. **Hodgson, E.**, and M. O'Neal. "Are late-season soybean aphid treatments worth it?" *In ICM News*. 13 August 2009.
83. **Hodgson, E.** "Getting to know the aphids in corn." *In ICM News*. 8 August 2009.
82. **Hodgson, E.** "Bean leaf beetle activity noticed in soybean." *In ICM News*. 30 July 2009.
81. **Hodgson, E.** and R. Pope. "Use treatment thresholds for western bean cutworm." *In ICM News*. 28 July 2009.
80. **Hodgson, E.** "Japanese beetles expanding range in Iowa." *In ICM News*. 27 July 2009.
79. **Hodgson, E.** "Scout for corn leaf aphids before tasseling." *In ICM News*. 17 July 2009.
78. **Hodgson, E.** "Getting to know the aphids in alfalfa." *In ICM News*. 7 July 2009.
77. **Hodgson, E.** "Is it Japanese beetle in the field or something else?" *In ICM News*. 30 June 2009.
76. **Hodgson, E.** "Soybean aphids are found in young soybean." *In ICM News*. 24 June 2009.
75. **Hodgson, E.**, and J. Tollefson. "European corn borers pick up activity in 2009." *In ICM News*. 19 June 2009.
74. **Hodgson, E.**, and J. Tollefson. "Time to scout for corn rootworm larvae." *In ICM News*. 18 June 2009.
73. **Hodgson, E.** "Don't let potato leafhoppers burn hay." *In ICM News*. 15 June 2009.
72. Tollefson, J., and **E. Hodgson**. "Growers, check your corn stand now!" *In ICM News*. 4 June 2009.

71. **Hodgson, E.**, and R. Pope. "Stalk borers forecasted to begin movement into corn." *In ICM News*. 3 June 2009.
70. Tollefson, J., and **E. Hodgson**. "Cancellation of Furadan (carbofuran) for crops use." *In ICM News*. 2 June 2009.
69. **Hodgson, E.**, and J. Tollefson. "Dynamic black cutworm action threshold." *In ICM News*. 27 May 2009.
68. **Hodgson, E.**, R. Pope, and J. Tollefson. "2009 predicted black cutworm cutting dates in corn." *In ICM News*. 22 May 2009.
67. **Hodgson, E.**, and R. Pope. "A harsh winter for bean leaf beetles." *In ICM News*. 6 May 2009.

### **Utah State University**

66. **Hodgson, E. W.** "Utah Pests In-Service training featured Whitney Cranshaw." *In Utah Pests News*, p. 5. Volume 3, Spring 2009. Utah Plant Pest Diagnostic Laboratory.
65. **Hodgson, E. W.**, and A. H. Roe. Utah Pests fact sheet: Africanized honey bees, 4 pp. ENT-20-09.
64. **Hodgson, E. W.** "Cankerworms can inch away your profits." *In American Nurseryman*, pp. 8-11. 1 February 2009.
63. **Hodgson, E. W.**, and C. Burfitt. "Critter of concern: Red fire bug." *In Horticultural Inspection Society Newsletter, Western Chapter*, p. 8. Winter 2009.
62. **Hodgson, E. W.** "Getting nit-picky about lice control." *In Utah Pests News*, pp. 6-7. Volume 3, Spring 2009. Utah Plant Pest Diagnostic Laboratory.
61. **Hodgson, E. W.** "Houseplant pest blues." *In Utah Pests News*, pp. 1-2. Volume 3, Winter 2008. Utah Plant Pest Diagnostic Laboratory.
60. **Hodgson, E. W.** "Sod webworm and white grub activity." *In Utah Pests Turfgrass IPM Advisory*, p. 3. Volume 1, Fall 2008. Utah Plant Pest Diagnostic Laboratory.
59. **Hodgson, E. W.** "Gardening with good bugs." *In Utah Pests News*, p. 5. Volume 2, Fall 2008. Utah Plant Pest Diagnostic Laboratory.
58. **Hodgson, E. W.** "Red fire bugs found in Utah." *In Utah Pests News*, p. 8. Volume 2, Fall 2008. Utah Plant Pest Diagnostic Laboratory.
57. **Hodgson, E. W.** "Black grass bugs flare in Utah grasses." *In Utah Pests News*, p. 6. Volume 2, Summer 2008. Utah Plant Pest Diagnostic Laboratory.
56. **Hodgson, E. W.** "The UPPDL gets a boost from Utah." *In Utah Pests News*, p. 5. Volume 2, Summer 2008. Utah Plant Pest Diagnostic Laboratory.
55. **Hodgson, E. W.** "Bee healthy in Utah." *In Utah Pests News*, pp. 1-2. Volume 2, Spring 2008. Utah Plant Pest Diagnostic Laboratory.

54. **Hodgson, E. W.** Utah Pests fact sheet: Red fire bugs, 2 pp. ENT-126-08PR.
53. Murray, M. S., and **E. W. Hodgson.** Utah Pests fact sheet: Soft scales in Utah landscapes, 4 pp. ENT-113-08PR.
52. **Hodgson, E. W.,** K. E. Coats, and A. H. Roe. Utah Pests fact sheet: Dermestids, 3 pp. ENT-26-08.
51. **Hodgson, E. W.,** B. A. Lambert, and A. H. Roe. Utah Pests fact sheet: Fungus gnats in the home, 2 pp. ENT-17-08.
50. **Hodgson, E. W.,** J. L. Trina, and A. H. Roe. Utah Pests fact sheet: Clothes moths, 3 pp. ENT-10-08.
49. **Hodgson, E. W.,** B. A. Lambert, and A. H. Roe. Utah Pests fact sheet: Scorpions, 3 pp. ENT-68-08.
48. **Hodgson, E. W.,** P. L. Bingham, and A. H. Roe. Utah Pests fact sheet: Centipedes, 2 pp. ENT-53-08.
47. **Hodgson, E. W.,** J. B. Karren, and A. H. Roe. Utah Pests fact sheet: Fleas, 2 pp. ENT-40-08.
46. **Hodgson, E. W.,** and J. B. Karren. Utah Pests fact sheet: Russian wheat aphid, 3 pp. ENT-67-08.
45. **Hodgson, E. W.,** and J. L. Trina. Utah Pests fact sheet: Crickets, 3 pp. ENT-129-08.
44. **Hodgson, E. W.,** and J. L. Trina. Utah Pests fact sheet: Carpenter bees, 3 pp. ENT-128-08.
43. **Hodgson, E. W.,** and B. A. Lambert. Utah Pests fact sheet: Pseudoscorpions, 2 pp. ENT-127-08.
42. **Hodgson, E. W.,** and J. L. Trina. Utah Pests fact sheet: Beneficial insects: Lacewings and antlions, 3 pp. ENT-124-08.
41. Evans, E. W., and **E. W. Hodgson.** Utah Pests fact sheet: Grasshoppers, 5 pp. ENT-125-08.
40. **Hodgson, E. W.** "Soft scales in the landscape." *In American Nurseryman*, pp. 12-15. 1 January 2008.
39. Davis, R. S., and **E. W. Hodgson.** Utah Pests fact sheet: Human parasites, 4 pp. ENT-122-08.
38. Murray, M. S., and **E. W. Hodgson.** Utah Pests fact sheet: Cankerworms, 4 pp. ENT-119-08.
37. **Hodgson, E. W.,** and A. H. Roe. Utah Pests fact sheet: Subterranean termites, 4 pp. ENT-08-08.
36. **Hodgson, E. W.** Utah Pests fact sheet: Human lice, 3 pp. ENT-116-08.
35. **Hodgson, E. W.** Utah Pests fact sheet: Black grass bugs, 2 pp. ENT-115-08.
34. **Hodgson, E. W.** "Insects: where are they now?" *In Master Gardener Newsletter*, p. 2. Volume 1, Issue 1. Wasatch County/Summit County Cooperative Extension.
33. **Hodgson, E. W.** "Insects: where are they now?" *In Utah Pests News*, p. 6. Volume 1, Winter 2007. Utah Plant Pest Diagnostic Laboratory.

32. **Hodgson, E. W.** "Trip to Columbus will help Utah diagnostics." *In Utah Pests News*, p. 3. Volume 1, Winter 2007. Utah Plant Pest Diagnostic Laboratory.
31. **Hodgson, E. W.** "Boxelder bugs making the move again." *In Utah Pests News*, pp. 3-4. Volume 1, Fall 2007. Utah Plant Pest Diagnostic Laboratory.
30. **Hodgson, E. W.** "Western corn rootworm can lodge profits." *In Utah Pests News*, p. 3. Volume 1, Fall 2007. Utah Plant Pest Diagnostic Laboratory.
29. **Hodgson, E. W.** "Hobo spider sightings in Utah." *In Utah Pests News*, p. 6. Volume 1, Summer 2007. Utah Plant Pest Diagnostic Laboratory.
28. **Hodgson, E. W.** "Reduce your risk of West Nile Virus in 2007." *In Utah Pests News*, pp. 1, 7. Volume 1, Summer 2007. Utah Plant Pest Diagnostic Laboratory.
27. **Hodgson, E. W.** "Spreading the word about insects." *In Utah Pest News*, p. 6. Volume 1, Spring 2007. Utah Plant Pest Diagnostic Laboratory.
26. **Hodgson, E. W.** "Japanese beetle: Not just another pretty bug." *In Utah Pests News*, pp. 1-2. Volume 1, Spring 2007. Utah Plant Pest Diagnostic Laboratory.
25. **Hodgson, E. W.** "Insect diagnoses, 2006." *In Utah Pest News*, pp. 5-6. Volume 1, Spring 2007. Utah Plant Pest Diagnostic Laboratory.
24. **Hodgson, E. W.** Utah Pests fact sheet: Western corn rootworm, 4 pp. ENT-109-07PR.
23. **Hodgson, E. W.**, and M. Pace. Utah Pests fact sheet: Lygus bug in alfalfa seed, 2 pp. ENT-110-07PR.
22. **Hodgson, E. W.**, and D. Drost. Utah Pests fact sheet: Asparagus beetle and spotted asparagus beetle, 3 pp. ENT-75-07PR.
21. **Hodgson, E. W.**, and E. W. Evans. Utah Pests fact sheet: Cereal leaf beetle, 4 pp. ENT-84-07PR.
20. **Hodgson, E. W.**, A. H. Roe, and J. B. Karren. Utah Pests fact sheet: Bed bugs, 3 pp. ENT-93-07.
19. **Hodgson, E. W.**, and A. H. Roe. Utah Pests fact sheet: Sod webworms, 3 pp. ENT-44-07.
18. **Hodgson, E. W.**, and A. H. Roe. Utah Pests fact sheet: Cranberry girdler, 2 pp. ENT-42-07.
17. **Hodgson, E. W.**, and A. H. Roe. Utah Pests fact sheet: Yellowjackets, hornets, and paper wasps, 5 pp. ENT-19-07.
16. Roe, A. H., and **E. W. Hodgson**. Utah Pests fact sheet: Hobo spider, 4 pp. ENT-86-07.
15. **Hodgson, E. W.**, and R. Patterson. Utah Pests fact sheet: Beneficial insects: Beetles, 4 pp. ENT-114-07.
14. **Hodgson, E. W.**, and R. Patterson. Utah Pests fact sheet: Beneficial insects: Mantids, 2 pp. ENT-112-07.
13. **Hodgson, E. W.**, and R. Patterson. Utah Pests fact sheet: Beneficial insects: True bugs, 3 pp. ENT-111-07.

12. **Hodgson, E. W.** Utah Pests fact sheet: Aphids in alfalfa, 5 pp. ENT-108-07.
11. **Hodgson, E. W.** Utah Pests fact sheet: Armyworms and cutworms in turfgrass, 3 pp. ENT-107-07.
10. **Hodgson, E. W.** Utah Pests fact sheet: Billbugs, 3 pp. ENT-106-07.
9. **Hodgson, E. W.** Utah Pests fact sheet: West Nile Virus in Utah, 4 pp. ENT-105-07.
8. **Hodgson, E. W.** Utah Pests fact sheet: White grubs, 3 pp. ENT-104-07.
7. **Hodgson, E. W.** "A new pest in Utah: The Japanese beetle." *In* In Touch Utah Farm Bureau Newspaper, October 2006.
6. **Hodgson, E. W.**, and H. Kratsch. "Aphids: A common pest that can 'suck up' your bottom line." *In* American Nurseryman, pp. 10-11. 1 November 2006.
5. **Hodgson, E. W.** "Aphids in the landscape." *In* Trunkline, Utah Nursery and Landscape Association Newsletter, November 2006.
4. **Hodgson, E. W.**, and D. Alston. Utah Pests fact sheet: Japanese beetle, 3 pp. ENT-100-06PR.
3. **Hodgson, E. W.**, and A. H. Roe. Utah Pests fact sheet: Boxelder bug, 2 pp. ENT-41-06.
2. **Hodgson, E. W.**, and A. H. Roe. Utah Pests fact sheet: Pantry pests, 3 pp. ENT-101-06.

### **University of Minnesota**

1. **Hodgson, E. W.**, B. P. McCornack, and D. W. Ragsdale. 2004. Speed Scouting for Soybean Aphid, 3 p.

## **Extension Presentations**

### **Summary of extension presentations and resulting face-to-face contacts**

<b>Type of Presentation</b>	<b>06-09<sup>Ω</sup></b>	<b>09-12<sup>σ</sup></b>	<b>13-16<sup>β</sup></b>	<b>17-19<sup>β</sup></b>	<b>2020<sup>Φ</sup></b>	<b>2021<sup>Φ</sup></b>	<b>Total</b>
National or Regional	4	11	7	3	2		26
In-service Training	4	5	5	3	1		18
Local (Iowa)	62	69	86	48	17		163
Field Day Demonstrations	1	41	51	32	1		125
Number of Contacts	3,800	9,754	9,852	5,304	1,279		30,029

*Ω* = includes activity at Utah State University from May 2006 through March 2009; *σ* = includes activity as an assistant professor at Iowa State University from April 2009 - June 2012; *β* = includes activity as an associate professor at ISU; and *Φ* = includes activity as a professor at ISU.

### **Out-of-State Presentations and International Groups**

TOTAL PRESENTATIONS TO DATE: 28 (2,615 contacts)

TOTAL PRESENTATIONS AT ISU: 23 (2,302 contacts)

28. **Hodgson, E. W.** #IPM: building resilient pest management in crop systems. Brookside Labs Regional Webinar Series [50 people] 30 October 2020
27. **Hodgson, E. W.**, and B. D. Potter. Understanding insect defoliation and management in field crops. Advanced Crop Advisers Annual Workshop, Fargo, ND [2 sessions; 95 people] 12 February 2020
26. **Hodgson, E. W.** #IPM: how do we build resilient, sustainable pest management crop systems? University of Minnesota Extension Crop Pest Management Short Course, Minneapolis, MN [325 people] 12 December 2018
25. **Hodgson, E. W.** Soybean IPM: using thresholds to manage defoliators. University of Missouri Crop Management Conference, Columbia, MO [2 sessions; 150 people] 14 December 2017
24. **Hodgson, E. W.** Setting your defoliation eye for threshold-based spraying in field crops. The Illinois, Indiana, Ohio (Tri-State) Certified Crops Advisers Annual Conference, Indianapolis, IN [2 sessions; 95 people] 12 December 2017
23. Lewis, D., **E. W. Hodgson**, and L. Jesse. Introduction to field crop insects and management in the U.S. Iowa State University Extension and Outreach, India Study Abroad Course. Ames, IA. [20 people] 7 October 2016
22. **Hodgson, E. W.** Introduction to field crop insects and management in the U.S. Iowa State University Extension and Outreach, Ecuadorian Trade Team. Ames, IA. [20 people] 28 April 2016
21. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm management challenges and recommendations. The Illinois, Indiana, Ohio (Tri-State) Certified Crops Advisers Annual Conference, Indianapolis, IN [2 sessions; 180 people] 16 December 2014
20. **Hodgson, E. W.**, D. Mueller, and L. Jesse. ISU Crops Team Extension. Iowa State University Extension and Outreach, Chinese scientists tour group. Ames, IA. [8 people] 13 May 2014
19. **Hodgson, E. W.** Managing a soybean pest complex. AGMasters Conference, University of Illinois, Champaign, IL. [2 sessions; 80 people] 3 December 2013
18. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm management challenges and recommendations. Albert Lee Seed House Open House, Albert Lea, MN [135 people] 21 November 2013
17. **Hodgson, E. W.** Introduction to field crop insects and management in the U.S. Iowa State University Extension and Outreach, Ukrainian farmer tour group. Ames, IA. [9 people] 21 June 2013
16. **Hodgson, E. W.** Introduction to field crop insects and management in the U.S. Iowa State University Extension and Outreach, Ukrainian farmer tour group. Ames, IA. [5 people] 24 August 2012
15. **Hodgson, E. W.** Introduction to field crop insects and management in the U.S. Iowa State University Extension and Outreach, Ukrainian farmer tour group. Ames, IA. [15 people] 8 June 2012

14. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm resistance update and recommendations. AgReliant Genetics Regional Meeting, Sioux Falls, SD. [110 people] 8 March 2012
13. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm resistance update and recommendations. Gromark Advanced Agronomy Day, Bloomington, IL. [250 people] 30 January 2012
12. **Hodgson, E. W.**, M. O'Neal, M. McCarville, and G. VanNostrand. Adapting to soybean aphid management for the next decade. University of Minnesota Extension Crop Pest Management Short Course, Minneapolis, MN [2 sessions; 350 people] 14 December 2011
11. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm resistance update and management recommendations. Winfield Solutions Regional Conference, Kearney, NE. [200 people] 29 November 2011
10. **Hodgson, E. W.**, M. McCarville, and M. O'Neal. Soybean aphid management for organic production. Albert Lee Seed House Open House, Albert Lea, MN [45 people] 18 November 2011
9. **Hodgson, E. W.** Introduction to field crop insects and management in the U.S. Iowa State University Extension and Outreach, Ukrainian farmer tour group. Ames, IA. [15 people] 7 November 2011
8. **Hodgson, E. W.** Medically important arthropods in the upper midwest, including a survey of Saint Mary's surgical environment. Saint Mary's Hospital, Mayo Clinic, Rochester, MN. [85 people] 7 February 2011
7. **Hodgson, E. W.** Using technology in soybean entomology. 2010 Joint Nebraska Cooperative Extension Association and University of Nebraska-Lincoln Extension Fall Conference, Kearney, NE. [50 people] 13 October 2010
6. **Hodgson, E. W.** Introduction to field crop insects and management in the U.S. Iowa State University Extension and Outreach, Ukrainian farmer tour group. Ames, IA. [10 people] 30 October 2009
5. **Hodgson, E. W.** Insects in the Utah landscape. Tri-River Area Commercials Pesticide Applicator Workshop, Grand Junction, CO. [80 people] 14 February 2008
4. **Hodgson, E. W.** Japanese beetle update from Utah. Tri-River Area Commercials Pesticide Applicator Workshop, Grand Junction, CO. [80 people] 14 February 2008
3. **Hodgson, E. W.** Mosquito biology and control. Franklin County Mosquito Abatement Committee, Preston, ID. [8 people] 14 November 2008
2. **Hodgson, E. W.** Alfalfa IPM for aphids. Idaho Hay and Forage Conference, Twin Falls, ID. [45 people] 27 February 2008
1. Ragsdale, D. W., **E. W. Hodgson**, B. P. McCornack, K. A. Koch, R. C. Venette, and B. D. Potter. Soybean aphid and the challenge of integrating recommendations within an IPM system. Illinois Crop Protection Technology Conference, Urbana-Champaign, IL. [100 people] 5 January 2006

### **In-Service Training and Workshops**

TOTAL PRESENTATIONS TO DATE: 18 (453 contacts)

TOTAL PRESENTATIONS AT ISU: 13 (316 contacts)

18. Hodgson, E., and A. Dean. Soybean insect pests updates. ANR Extension Crops Team Fall In-Service, Field Extension Education Laboratory, Ames, IA. [25 people] 24 September 2020.
17. McMechan, J., **E. Hodgson**, T. Hunt, B. Potter, B. Wright, and A. Varenhorst. 2019. Soybean gall midge: an emerging soybean pest. S1080 Annual Working Group Meeting, Cleveland, OH. [25 people] 25 January 2019
16. **Hodgson, E. W.** Lightning talk: Improving interaction and using visual aids.
  - ANR Extension Crops Team Fall In-Service, Field Extension Education Laboratory, Ames, IA. [12 people] 20 September 2018.
  - ANR Extension Plan of Work Leader Retreat, Hansen Ag Learning Center, Ames, IA. [20 people] 30 October 2018
15. **Hodgson, E. W.** Resistance management plan for soybean aphid. Iowa State University Field Agronomist Professional Development Workshop, Ames, IA. [22 people] 29 November 2016
14. **Hodgson, E. W.** Understanding small plot research needs. Iowa State University Research and Demonstration Farm New Staff Training, Ames, IA. [22 people] 16 December 2015
13. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm resistance management update. Iowa State University Field Agronomist Professional Development Workshop, Field Extension Education Laboratory, Ames, IA. [16 people] 1 December 2015
12. Gleason, C., W. Weber, **E. Hodgson**, B. Fuller, and C. Ingels. Engaging the community in public participation: tools for the extension professional. Iowa State University Council of Extension Professionals Annual Meeting, Ames, IA. [35 people] 20 November 2013
11. **Hodgson, E. W.** Defining your brand: Thoughts on improving your CV. Soybean Entomology Laboratory Retreat, Ames, IA. [10 people] 20 December 2013
10. **Hodgson, E. W.** and C. Krupke. Research update: Bee health and pesticide exposure. Iowa State University Field Agronomist Professional Development Workshop, Field Extension Education Laboratory, Ames, IA. [20 people] 23 March 2012
9. **Hodgson, E. W.**, M. Dunbar, and A. Gassmann. Corn rootworm resistance management update. Iowa State University Field Agronomist Professional Development Workshop, Field Extension Education Laboratory, Ames, IA. [22 people] 28 September 2011
8. **Hodgson, E. W.** 2010 insect updates. Iowa State University Field Agronomist Professional Development Workshop, Field Extension Education Laboratory, Ames, IA. [25 people] 23 September 2010
7. **Hodgson, E. W.** Introduction to crop insects and management. 734th Agribusiness Development Team, Iowa National Guard, Field Extension Education Laboratory, Ames, IA. [40 people] 2 June 2010

6. **Hodgson, E. W.** Biology, identification, and management of aphids in corn. Iowa State University Field Agronomist Professional Development Workshop, Field Extension Education Laboratory, Ames, IA. [22 people] 22 September 2009
5. **Hodgson, E. W.** Turf insects, IPM and billbug dynamics. Utah Pests In-Service Training: Ornamentals and Turfgrass, Provo, UT. [40 people] 4 February 2009
4. **Hodgson, E. W.** Quarantined insects of Utah. Utah Plant Pest Diagnostic Lab First Detector Training, Utah House and Botanical Center, Kaysville, UT. [30 people] 17 October 2007
3. **Hodgson, E. W.** Overview of corn and alfalfa pest identification and damage. Utah Plant Pest Diagnostic Laboratory and Distance Diagnostics in Utah Program, Logan, UT. [30 people] 18 October 2007
2. **Hodgson, E. W.** Integrated pest management for turfgrass. USU Extension Horticulture Agents Workshop, Utah House and Botanical Center, Kaysville, UT. [25 people] 25 April 2006
1. **Hodgson, E. W.** What can we expect from soybean aphid in 2003? Minnesota Department of Natural Resources, St. Cloud, MN. [12 people]

#### **Other Presentations**

TOTAL PRESENTATIONS TO DATE: 151 (20,130 contacts)

TOTAL PRESENTATIONS AT ISU: 107 (16,689 contacts)

#### **Iowa State University**

151. **Hodgson, E. W.** Research and management update for soybean gall midge. Iowa Soybean Research Center Annual Meeting, Ames, IA. [25 people] 18 September 2020
150. **Hodgson, E. W.**, and A. Dean. Insect identification, sampling and management. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [2 sessions; 48 people] 7 March 2020
149. **Hodgson, E. W.** Soybean gall midge and thistle caterpillar management. Jacobsen Annual Seed Meeting, Wall Lake, IA. [35 people] 19 February 2020
148. **Hodgson, E. W.** Midges, rootworms and corn borer management. MaxYield Cooperative Annual Winter Meeting, West Bend, IA. [35 people] 13 February 2020
147. **Hodgson, E. W.** Mashup of field crops insects from 2019. 2020 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
  - Burlington, IA. [20 people] 3 January 2020
  - Sheldon, IA. [2 sessions; 43 people] 6 January 2020
  - Storm Lake, IA. [40 people] 7 January 2020
  - Ames, IA. [2 sessions; 45 people] 9 January 2020
  - Honey Creek, IA. [2 sessions; 28 people] 9 January 2020
  - Mason City, IA. [50 people] 10 January 2020
  - Okoboji, IA. [45 people] 14 January 2020
  - Fort Dodge, IA. [2 sessions; 95 people] 15 January 2020
  - Waterloo, IA. [2 sessions; 135 people] 16 January 2020

- Davenport, IA. [2 sessions; 100 people] 17 January 2020
  - Atlantic, IA. [60 people] 23 January 2020
  - Iowa City, IA. [2 sessions; 95 people] 28 January 2020
  - Le Mars, IA. [85 people] 29 January 2020
  - Denison, IA. [80 people] 30 January 2020
146. **Hodgson, E. W.** Field crop pest management update for 2019. Iowa State University Extension and Outreach Ag Chem Dealer Update.
- Iowa City, IA. [90 people] 17 December 2019
  - Ames, IA. [75 people] 18 December 2019
145. Dean, A., M. O'Neal, **E. W. Hodgson**, J. Hohenstein, and B. Coates. Building a budget for pest resistance. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 125 people] 4 December 2019
144. **Hodgson, E. W.**, and A. Dean. Insect identification, sampling and management. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [75 people] 30 March 2019
143. **Hodgson, E. W.** Field crop insect mashup. Iowa State University Northcentral Research Farm Annual Meeting, Wesley, IA. [50 people] 6 March 2019
142. **Hodgson, E. W.** Soybean gall midge is a new soybean pest. Pioneer Sales Team Winter Meeting, Ames, IA. [75 people] 1 March 2019
141. **Hodgson, E. W.** Field crop insect mashup. WinField United Iowa Regional Conference, Ames, IA. [225 people] 21 February 2019
140. **Hodgson, E. W.** Soybean gall midge in Iowa. Iowa Soybean Association Farmer Research Tour, Storm Lake, IA. [85 people] 5 February 2019
139. **Hodgson, E. W.** Soybean gall midge is a new soybean pest. 2019 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Sheldon, IA. [18 people] 3 January 2019
  - Burlington, IA. [16 people] 4 January 2019
  - Storm Lake, IA. [12 people] 8 January 2019
  - Ames, IA. [125 people] 9 January 2019
  - Honey Creek, IA. [2 sessions; 10 people] 10 January 2019
  - Fort Dodge, IA. [2 sessions; 100 people] 16 January 2019
  - Davenport, IA. [2 sessions; 120 people] 18 January 2019
  - Le Mars, IA. [50 people] 22 January 2019
  - Atlantic, IA. [100 people] 24 January 2019
  - Iowa City, IA. [2 sessions; 58 people] 29 January 2019
  - Denison, IA. [80 people] 30 January 2019
138. **Hodgson, E. W.** Field crop mashup for 2018. Iowa State University Extension and Outreach Crop Clinic for Worth and Cerro Gordo Counties, Manly, IA. [60 people] 14 December 2018

137. **Hodgson, E. W.** Soybean gall midge is a new soybean pest. Iowa State University Extension and Outreach Ag Chem Dealer Update.  
- Iowa City, IA. [85 people] 11 December 2018  
- Ames, IA. [63 people] 12 December 2018
136. **Hodgson, E. W.** and J. McMechan. A fly in the ointment: soybean gall midge is a new pest. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 230 people] 28 November 2018
135. **Hodgson, E. W.**, E. Zaworski, and R. Baker. IPM 101 Game Show. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 130 people] 27 November 2018
134. **Hodgson, E.**, and A. Saeugling. A new emerging pest: soybean gall midge. Armstrong Farm, Iowa State University, Lewis, IA. [50 people] 5 September 2018
133. **Hodgson, E. W.** Using IPM to manage hop pests in Iowa. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [18 people] 14 April 2018
132. **Hodgson, E. W.** Introduction to insect diagnostics. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [3 sessions; 65 people] 24 March 2018
131. **Hodgson, E. W.** Resistance management plans for soybean aphid. 2018 Iowa State University Extension and Outreach Crop Advantage Series Workshops.  
- Okoboji, IA. [45 people] 4 January 2018  
- Burlington, IA. [7 people] 5 January 2018  
- Storm Lake, IA. [18 people] 9 January 2018  
- Atlantic, IA. [32 people] 16 January 2018  
- Waterloo, IA. [2 sessions; 110 people] 18 January 2018  
- Iowa City, IA. [40 people] 24 January 2018  
- Davenport, IL. [2 sessions; 35 people] 26 January 2018
130. **Hodgson, E. W.** Soybean aphid bites back: update on pyrethroid resistance. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 155 people] 29 November 2017
129. **Hodgson, E. W.** IPM and economic thresholds for insects. Iowa State University Extension and Outreach Ag Chem Dealer Update.  
- Iowa City, IA. [110 people] 21 November 2017  
- Ames, IA. [95 people] 13 December 2017
128. **Hodgson, E. W.** Introduction to insect diagnostics. Syngenta Annual Spring Training, Ames, IA. [25 people] 5 April 2017
127. **Hodgson, E. W.** Introduction to insect diagnostics. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [45 people] 25 March 2017
126. **Hodgson, E. W.** Resistance management for two key field crop pests. Iowa Soybean Association Research Conference, Des Moines, IA. [15 people] 8 February 2017

125. **Hodgson, E. W.** Sweet corn pest management review. 2017 Iowa Fruit and Vegetable Growers Association Annual Meeting, Ankeny, IA. [18 people] 26 January 2017
124. **Hodgson, E. W.** Resistance management plans for soybean aphid. 2017 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Sheldon, IA. [38 people] 4 January 2017
  - Okoboji, IA. [22 people] 5 January 2017
  - Storm Lake, IA. [6 people] 10 January 2017
  - Mason City, IA. [2 sessions; 75 people] 13 January 2017
  - Fort Dodge, IA. [2 sessions; 85 people] 18 January 2017
  - Le Mars, IA. [6 people] 24 January 2017
  - Denison, IA. [8 people] 26 January 2017
123. **Hodgson, E. W.** Resistance management update for soybean aphid and corn rootworm. Iowa State University Extension and Outreach Crop Clinic.
- Mason City, IA. [85 people] 9 December 2016
  - Northwood, IA. [115 people] 9 December 2016
122. **Hodgson, E. W.** Resistance management plan for soybean aphid. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 150 people] 1 December 2016
121. **Hodgson, E. W.** Resistance management update for soybean aphid and corn rootworm. Iowa State University Extension and Outreach Ag Chem Dealer Update.
- Iowa City, IA. [115 people] 22 November 2016
  - Ames, IA. [80 people] 7 December 2016
120. **Hodgson, E. W.** Management update for corn rootworm and soybean aphid. Titan Pro Kickoff Conference, Mason City, IA. [2 sessions; 75 people] 18 August 2016
119. **Hodgson, E. W.** Using IPM to manage hop pests in Iowa. Buck Creek Hops Grower's Alliance Meeting, Coralville, IA. [18 people] 15 April 2016
118. **Hodgson, E. W.** Introduction to insect diagnostics. Iowa State University Northeast Research Farm Outreach Crop Scout School, Nashua, IA. [22 people] 1 April 2016
117. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm updates for Iowa. North Central Iowa Research Association Sponsor Education Meeting, Wesley, IA. [40 people] 10 March 2016
116. **Hodgson, E. W.** Introduction to insect diagnostics. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [97 people] 27 February 2016
115. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm updates for Iowa. WinField Iowa Regional Conference and Agronomy Update, Ames, IA. [125 people] 24 February 2016
114. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm updates for Iowa. 2016 Crop Shop with Rod Pierce, Ogden, IA. [25 people] 16 February 2016

113. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm research and management update. 2016 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Sheldon, IA. [24 people] 5 January 2016
  - Okoboji, IA. [15 people] 6 January 2016
  - Burlington, IA. [13 people] 8 January 2016
  - Storm Lake, IA. [22 people] 12 January 2016
  - Honey Creek, IA. [20 people] 14 January 2016
  - Fort Dodge, IA. [30 people] 20 January 2016
  - Waterloo, IA. [50 people] 21 January 2016
  - Iowa City, IA. [25 people] 22 January 2016
  - Le Mars, IA. [40 people] 26 January 2016
  - Moline, IL. [2 sessions; 100 people] 29 January 2016
112. **Hodgson, E. W.**, M. Dunbar, M. O'Neal, and A. Gassmann. Managing cover crop pests for corn and soybean production. 2016 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Atlantic, IA. [110 people] 19 January 2016
  - Waterloo, IA. [40 people] 21 January 2016
111. **Hodgson, E. W.** Western corn rootworm management update. Iowa State University Extension and Outreach Ag Chem Dealer Update.
- Iowa City, IA. [145 people] 22 November 2015
  - Ames, IA. [80 people] 16 December 2015
110. **Hodgson, E. W.**, M. Dunbar, M. O'Neal and A. Gassmann. Managing cover crop pests for corn and soybean production. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 60 people] 2 December 2015
109. **Hodgson, E. W.** Corn rootworm management update. Sinclair Tractor Yield Force Meeting, Muscatine, IA. [12 people] 19 August 2015
108. **Hodgson, E. W.** Soybean aphid management with seed treatments. Iowa State University Seed Treatment Workshop, Ames, IA. [50 people] 24 June 2015
107. **Hodgson, E. W.** Introduction to insect diagnostics. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [145 people] 7 March 2015
106. **Hodgson, E. W.** Biology, distribution and management of brown marmorated stink bug. Growmark Advanced Agronomy Day, Des Moines, IA. [80 people] 3 March 2015
105. **Hodgson, E. W.** Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [33 people] 13 January 2015
104. **Hodgson, E. W.** Update on soybean aphid management. 2015 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Okoboji, IA. [20 people] 7 January 2015
  - Storm Lake, IA. [25 people] 14 January 2015

103. **Hodgson, E. W.**, A. Gassmann, and M. Dunbar. Managing the billion dollar beast in the midwest: western corn rootworm. 2015 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Okoboji, IA. [20 people] 7 January 2015
  - Burlington, IA. [20 people] 9 January 2015
  - Storm Lake, IA. [25 people] 14 January 2015
  - Iowa City, IA. [100 people] 28 January 2015
102. **Hodgson, E. W.** Biology, distribution and management of brown marmorated stink bug. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 160 people] 4 December 2014
101. **Hodgson, E. W.** Western corn rootworm management update. Iowa State University Extension and Outreach Ag Chem Dealer Update.
- Iowa City, IA. [155 people] 25 November 2014
  - Ames, IA. [115 people] 10 December 2014
100. **Hodgson, E. W.** Introduction to insect identification, sampling and IPM. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [3 sessions; 150 people] 8 March 2014
99. **Hodgson, E. W.**, and A. Gassmann. Western corn rootworm resistance management recommendations. Boshart Sales Winter Meeting, Washington, IA. [45 people] 6 March 2014
98. **Hodgson, E. W.**, and A. Gassmann. Western corn rootworm resistance management recommendations. Southeast Iowa Agricultural Research Association Annual Meeting, Iowa City, IA. [40 people] 6 March 2014
97. **Hodgson, E. W.** Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [24 people] 14 January 2014
96. **Hodgson, E. W.**, and A. Gassmann. Western corn rootworm resistance management. 2014 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Okoboji, IA. [18 people] 8 January 2014
  - Burlington, IA. [20 people] 10 January 2014
  - Storm Lake, IA. [28 people] 15 January 2014
  - Waterloo, IA. [2 sessions; 90 people] 23 January 2014
  - Le Mars, IA. [40 people] 28 January 2014
  - Iowa City, IA. [45 people] 29 January 2014
  - Carroll, IA. [50 people] 30 January 2014
95. **Hodgson, E. W.** Managing a soybean pest complex. 2014 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Mason City, IA. [2 sessions; 75 people] 9 January 2014
  - Ames, IA. [20 people] 14 January 2014
  - Honey Creek, IA. [20 people] 16 January 2014
  - Iowa City, IA. [25 people] 29 January 2014
  - Carroll, IA. [35 people] 30 January 2014

94. **Hodgson, E. W.**, and A. Gassmann. Western corn rootworm resistance management. Iowa Farm Bureau Farmer meeting series.  
 - Garner, IA. [20 people] 10 December 2013  
 - Northwood, IA. [18 people] 17 December 2013
93. **Hodgson, E. W.**, and G. VanNostrand. Managing a soybean pest complex. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 215 people] 4 December 2013
92. Gassmann, A., and **E. W. Hodgson**. Western corn rootworm and Bt corn in Iowa. Iowa State University Extension and Outreach Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 450 people] 4 December 2013
91. **Hodgson, E. W.** Soybean aphid host plant resistance. Iowa State University Extension and Outreach Ag Chem Dealer Update.  
 - Iowa City, IA. [175 people] 3 December 2013  
 - Ames, IA. [140 people] 11 December 2013
90. **Hodgson, E. W.** Bees and pesticide exposure via seed treatments. Iowa State University Seed Treatment Workshop, Ames, IA. [18 people] 27 June 2013
89. **Hodgson, E. W.** Introduction to field crop insect ID and sampling. Midwest Independent Soil Samplers, Cherokee, IA. [28 people] 20 March 2013
88. **Hodgson, E. W.** Introduction to insect diagnostics. Iowa State University Extension and Outreach Crop Scout School, Ames, IA. [3 sessions; 150 people] 9 March 2013
87. **Hodgson, E. W.** Comparing spider mites and aphids. Growmark Advanced Agronomy Day, Des Moines, IA. [95 people] 6 March 2013
86. **Hodgson, E. W.**, and A. Gassmann. Sustainable corn rootworm resistance management. ISU Northwest Farm Data Review Meeting, Spencer, IA. [41 people] 18 February 2013
85. **Hodgson, E. W.**, and A. Gassmann. Sustainable corn rootworm resistance management. Iowa Corn Growers Association.  
 - Ogden, IA. [28 people] 15 February 2013  
 - Coon Rapids, IA. [45 people] 15 March 2013
84. **Hodgson, E. W.**, and C. Krupke. Are seed treatments harming bees? Iowa Seed Association Agribusiness Showcase and Conference, Des Moines, IA. [25 people] 13 February 2013
83. **Hodgson, E. W.**, and A. Gassmann. Sustainable corn rootworm resistance management. Agribusiness Showcase and Conference, Certified Crop Advisor Program, Des Moines, IA. [2 sessions; 65 people] 12 February 2013
82. **Hodgson, E. W.**, and A. Gassmann. Sustainable corn rootworm resistance management. Winfield Solutions Regional Conferences  
 - Mankato, MN. [155 people] 5 February 2013  
 - Brookings, SD. [160 people] 6 February 2013  
 - Ames, IA. [180 people] 27 February 2013

81. **Hodgson, E. W.**, and A. Gassmann. Sustainable corn rootworm resistance management. 2013 Iowa State University Extension and Outreach Crop Advantage Series Workshops.
- Sheldon, IA. [50 people] 3 January 2013
  - Honey Creek, IA. [35 people] 8 January 2013
  - Okoboji, IA. [30 people] 9 January 2013
  - Mason City, IA. [140 people] 10 January 2013
  - Burlington, IA. [35 people] 11 January 2013
  - Ames, IA. [160 people] 15 January 2013
  - Storm Lake, IA. [15 people] 16 January 2013
  - Atlantic, IA. [150 people] 17 January 2013
  - Carroll, IA. [140 people] 22 January 2013
  - Le Mars, IA. [65 people] 29 January 2013
80. **Hodgson, E. W.** Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [24 people] 15 January 2013
79. **Hodgson, E. W.**, and A. Gassmann. Sustainable corn rootworm management in Iowa. Iowa State University Extension and Outreach Ag Chem Dealer Update.
- Iowa City, IA. [225 people] 5 December 2012
  - Ames, IA. [175 people] 6 December 2012
78. **Hodgson, E. W.** Spider mite management in corn and soybean. Iowa State University Extension Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 415 people] 28 November 2012
77. **Hodgson, E. W.**, and A. Gassmann. Sustainable corn rootworm management in Iowa. Iowa Certified Crop Advisors Program, Ames, IA. [45 people] 27 November 2012
76. **Hodgson, E. W.** Introduction to insect diagnostics in the field. Iowa State University Extension Crop Scout School, Ames, IA. [3 sessions; 150 people] 3 March 2012
75. **Hodgson, E. W.** Research update on soybean aphid and aphids in corn Farm. 2012 ISU Northwest Farm Data Review Meeting, Spencer, IA [42 people] 2 January 2012
74. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm resistance management. Keynote speaker for the 2012 Iowa State University Extension Crop Advantage Series Workshops.
- Sheldon, IA. [60 people] 4 January 2012
  - Burlington, IA. [70 people] 6 January 2012
  - Ames, IA. [45 people] 10 January 2012
  - Spirit Lake, IA. [45 people] 11 January 2012
  - Mason City, IA. [2 sessions; 100 people] 12 January 2012
  - Le Mars, IA. [50 people] 23 January 2012
  - Carroll, IA. [55 people] 24 January 2012
  - Waterloo, IA. [225 people] 25 January 2012
  - Iowa City, IA. [50 people] 26 January 2012
73. **Hodgson, E. W.**, M. McCarville, and M. O'Neal. Soybean aphid management update. 2012 Iowa State University Extension Crop Advantage Series Workshops.
- Burlington, IA [8 people] 6 January 2012
  - Ames, IA. [35 people] 10 January 2012

72. **Hodgson, E. W.** Aphids in corn and soybean aphid management update. 2012 Iowa State University Extension Crop Advantage Series Workshops.  
 - Spirit Lake, IA. [30 people] 11 January 2012  
 - Waterloo, IA. [45 people] 25 January 2012  
 - Iowa City, IA. [25 people] 26 January 2012
71. **Hodgson, E. W.** Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [55 people] 9 January 2012
70. **Hodgson, E. W.** What insects are they spraying for in corn and soybean? Pheasants Forever State Meeting, Des Moines, IA. [45 people] 7 January 2012
69. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm: is there a new concern? Iowa State University Extension Ag Chem Dealer Update.  
 - Ames, IA. [150 people] 7 December 2011  
 - Iowa City, IA. [185 people] 9 December 2011  
 - Charles City, IA. [60 people] 15 December 2011  
 - Oakland, IA. [25 people] 14 February 2012  
 - Orient, IA. [20 people] 15 February 2012  
 - Iowa City, IA. [45 people] 24 February 2012  
 - Villisca, IA. [25 people] 1 March 2012
68. **Hodgson, E. W.**, and G. VanNostrand. Update on the soybean aphid efficacy evaluation program. Iowa State University Extension Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 150 people] 1 December 2011
67. **Hodgson, E. W.**, C. Kuntz, M. E. O'Neal, and G. VanNostrand. Japanese beetle biology and management in corn and soybean, and M. E. O'Neal. Iowa State University Extension Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 250 people] 30 November 2011
66. **Hodgson, E. W.** Soybean seedling insects and seed treatment management. Iowa State University Seed Treatment Workshop, Ames, IA. [10 people] 30 June 2011
65. Robertson, A., and **E. W. Hodgson**. Improving soybean stand establishment with seed treatments. Iowa State University Seed Treatment Workshop, Ames, IA. [10 people] 30 June 2011
64. **Hodgson, E. W.** Introduction to insect diagnostics in the field. Iowa State University Extension Crop Scout School, Ames, IA. [2 sessions; 140 people] 5 March 2011
63. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm resistant management and efficacy evaluations. Southeast Iowa Research Association Annual Meeting, Crawfordsville Research Farm, IA. [35 people] 3 March 2011
62. **Hodgson, E. W.** Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [41 people] 10 January 2011
61. **Hodgson, E. W.**, and A. Gassmann. Corn rootworm resistance management. 2011 Iowa State University Extension Crop Advantage Series Workshops.  
 - Burlington, IA. [20 people] 7 January 2011  
 - Cedar Rapids, IA. [35 people] 19 January 2011

60. **Hodgson, E. W.**, and M. O'Neal. Soybean aphid host plant resistance update. 2011 Iowa State University Extension Crop Advantage Series Workshops.
- Ottumwa, IA. [25 people] 6 January 2011
  - Carroll, IA. [30 people] 25 January 2011
  - Waterloo, IA. [2 sessions; 50 people] 26 January 2011
  - Atlantic, IA. [150 people] 27 January 2011
59. **Hodgson, E. W.**, and A. Gassmann. New technologies for corn rootworm management. Iowa State University Extension Ag Chemical Dealer Update, Iowa City, IA. [175 people] 9 December 2010
58. **Hodgson, E. W.**, and M. E. O'Neal. Host plant resistance for soybean aphid. Iowa State University Extension Ag Chemical Dealer Update Series, Ames, IA. [180 people] 8 December 2010
57. **Hodgson, E. W.**, and M. E. O'Neal. Research update on host plant resistance for soybean aphid. Iowa State University Extension Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 190 people] 1 December 2010
56. **Hodgson, E. W.** Introducing a new tool to manage soybean aphid. Iowa Kickoff, Blue River Hybrids, Ames, IA. [35 people] 18 August 2010
55. **Hodgson, E. W.** Introduction to the field crop insects. Iowa National Guard Agribusiness Development Team, Iowa State University Field Extension Education Laboratory, Ames, IA. [25 people] 2 June 2010
54. **Hodgson, E. W.** Introduction to insect diagnostics in the field. Iowa State University Extension Crop Scout School, Ames, IA. [2 sessions; 141 people] 6 March 2010
53. **Hodgson, E. W.** Host plant resistance to soybean aphid. Iowa State University Extension, Baxter, IA. [10 people] 10 February 2010
52. **Hodgson, E. W.** Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [37 people] 11 January 2010
51. **Hodgson, E. W.** Aphids can be a sticky situation in soybean and corn. Keynote speaker for 2010 Iowa State University Extension Crop Advantage Series Workshops.
- Sheldon, IA. [202 people] 5 January 2010
  - Osceola, IA. [55 people] 6 January 2010
  - Ames, IA. [126 people] 12 January 2010
  - Mason City, IA. [154 people] 13 January 2010
  - Spirit Lake, IA. [121 people] 14 January 2010
  - Storm Lake, IA. [124 people] 19 January 2010
  - Cedar Rapids, IA. [325 people] 21 January 2010
  - Waterloo, IA. [169 people] 27 January 2010
  - Atlantic, IA. [138 people] 28 January 2010
  - Ottumwa, IA. [65 people] 2 February 2010
  - Fort Dodge, IA. [80 people] 4 February 2010

50. **Hodgson, E. W.**, A. Gassmann, and M. Dunbar. Corn rootworm IPM in Iowa. 2010 Iowa State University Extension Crop Advantage Series Workshops.
  - Mason City, IA. [30 people] 13 January 2010
  - Spirit Lake, IA. [25 people] 14 January 2010
  - Waterloo, IA. [28 people] 27 January 2010
49. **Hodgson, E. W.** Aphid management in corn and soybean. Iowa State University Extension Ag Chemical Dealer Update Series, Mason City, IA. [26 people] 8 December 2009
48. **Hodgson, E. W.** Learning the good bugs in a soybean landscape. 9th Annual Iowa Organic Conference, Ames, IA. [10 people] 5 December 2009
47. **Hodgson, E. W.**, M. E. O'Neal, and N. P. Schmidt. Landscape summary of aphid suction trapping network since 2005. Iowa State University Extension Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 60 people] 3 December 2009
46. **Hodgson, E. W.**, M. E. O'Neal, and K. D. Johnson. A new chemistry for managing soybean aphid. Iowa State University Extension Integrated Crop Management Annual Conference, Ames, IA. [2 sessions; 320 people] 2 December 2009
45. **Hodgson, E. W.**, K. D. Johnson, and M. E. O'Neal. Managing soybean pests with seed treatments. Valent USA Seed Treatment Workshop, Ames, IA. [30 people] 21 July 2009

**Utah State University (43 total)**

44. **Hodgson, E. W.** Lygus bug and spider mites in alfalfa seed. Utah Alfalfa Seed School, Brigham City, UT. [60 people] 3 March 2009
43. **Hodgson, E. W.** Master Gardener Insect Program: Introduction to the insects.
  - Iron County, Cedar City, UT. [40 people] 24 February 2009
  - Washington County, St. George, UT. [45 people] 25 February 2009
  - Kane County, Kanab, UT. [35 people] 26 February 2009
42. **Hodgson, E. W.** Organic gardening. Wasatch County Garden Club, Heber, UT. [13 people] 19 February 2009
41. **Hodgson, E. W.**, T. L. Pitts-Singer, and J. D. Barbour. Results of novaluron on ALCB return: evidence from laboratory studies. 2009 Idaho-Oregon Alfalfa Seed Growers' Winter Meeting, Caldwell, ID. [65 people] 15 January 2009
40. Barbour, J. D., **E. W. Hodgson**, T. L. Pitts-Singer. Effects of novaluron on ALCB return: evidence of field studies. 2009 Idaho-Oregon Alfalfa Seed Growers' Winter Meeting, Caldwell, ID. [65 people] 15 January 2009
39. **Hodgson, E. W.** Termite biology and management. Utah Pest Control and Lawn Care Association Annual Meeting, Salt Lake City, UT. [35 people] 13 February 2009
38. **Hodgson, E. W.** Biting and stinging insects. Utah Pest Control and Lawn Care Association Annual Meeting, Salt Lake City, UT. [35 people] 13 February 2009

37. Barbour, J. D., **E. W. Hodgson**, and T. L. Pitts-Singer. 2008. Pesticides for managing lygus in alfalfa seed. Idaho Eastern Oregon Seed Growers Association, Nampa, ID. [50 people] 4 December 2008
36. **Hodgson, E. W.** Managing those insects that suck.
  - UDAF Pesticide Recertification Workshop, Sandy, UT. [75 people] 6 November 2008
  - UDAF Pesticide Recertification Workshop, Provo, UT. [87 people] 12 November 2008
35. **Hodgson, E. W.** Biting and stinging insects. Utah Environmental Health Association Fall Conference, Logan, UT. [60 people] 18 September 2008
34. **Hodgson, E. W.**, and M. S. Murray. Recognizing insects and using IPM strategies in a public garden. Red Butte Garden, Salt Lake City, UT. [30 people] 17 September 2008
33. Murray, M. S., and **E. W. Hodgson**. Solving pest problems in the garden and yard. Lunch in the Gardens Summer Series, USU Extension Ogden Botanical Gardens, Ogden, UT. [22 people] 15 August 2008
32. **Hodgson, E. W.** ANTZ - real science or "reel" science? Science Movie Night, Utah Museum of Natural History, Salt Lake City, UT. [40 people] 5 August 2008
31. **Hodgson, E. W.** Organic gardening. Stokes Nature Center Summer Educational Program, Logan, UT. [5 people] 28 June 2008
30. **Hodgson, E. W.** Termite control with liquid insecticides and baits. Utah Department of Agriculture and Food Termite Workshop for State Inspectors, Salt Lake City, UT. [32 people] 3 June 2008
29. **Hodgson, E. W.** Termites and other wood destroying insects. Utah Department of Agriculture and Food Termite Workshop for State Inspectors, Salt Lake City, UT. [32 people] 3 June 2008
28. **Hodgson, E. W.** Shoo fly, don't bother me! Utah Mosquito Abatement Association Spring Workshop, Salt Lake City, UT. [174 people] 12 April 2008
27. **Hodgson, E. W.** Master Gardener Insect Program: Introduction to the insects.
  - Utah County, Provo, UT. [22 people] 21 October 2008
  - Thanksgiving Point Gardens, Lehi, UT. [55 people] 21 October 2008
  - Davis County, Farmington, UT. [29 people] 26 March 2008
  - Salt Lake City, Salt Lake City, UT. [34 people] 20 March 2008
  - Salt Lake City, Salt Lake City, UT. [25 people] 20 March 2008
  - Wasatch/Summit Counties, Park City, UT. [28 people] 28 February 2008
  - Washington County, St. George, UT. [35 people] 20 February 2008
  - Kane County, Kanab, UT. [14 people] 19 February 2008
  - Utah County, Provo, UT. [18 people] 16 October 2007
  - Thanksgiving Point Gardens, Lehi, UT. [39 people] 16 October 2007
26. **Hodgson, E. W.** Shade tree insects in Utah. Box Elder County Shade Tree Workshop, Brigham City, UT. [28 people] 12 February 2008
25. **Hodgson, E. W.** Alfalfa insects: The good, bad, and ugly. Box Elder County Crop Field School, Brigham City, UT. [110 people] 6 February 2008

24. **Hodgson, E. W.** How to spot termites and their damage. Wood Destroying Insects Workshop, Ogden, UT. [30 people] 5 February 2008
23. **Hodgson, E. W.** UPPDL Services and introduction to insects. Wood Destroying Insects Workshop, Ogden, UT. [30 people] 5 February 2008
22. **Hodgson, E. W.** Scales - are they weighing you down? Utah Nursery and Landscape Association Green Conference, Sandy, UT. [75 people] 30 January 2008
21. **Hodgson, E. W.** Termite troubles. Utah Pest Control and Lawn Care Association Conference, Salt Lake City, UT. [35 people] 25 January 2008
20. **Hodgson, E. W.** The history of the UPPDL and a review of our services. 2007 UDAF Pesticide Recertification Workshop, Logan, UT. [92 people] 19 December 2007
19. **Hodgson, E. W.** Scale insects can suck the life out of trees. The Utah Community Forest Council Annual Pesticide Workshop, Sandy, UT. [120 people] 4 October 2007
18. **Hodgson, E. W.** The newest invader to Utah: Japanese beetle. Central Utah Water Conservancy Gardens, Summer Seminar Series, Orem, UT. [25 people] 16 June 2007
17. **Hodgson, E. W.** The buzz on stinging insects. Utah Mosquito Abatement Association Spring Workshop, Salt Lake City, UT. [160 people] 14 April 2007
16. **Hodgson, E. W.** Master Gardener Insect Program: Bug basics and beyond.
  - Salt Lake County, Salt Lake City, UT. [25 people] 28 February 2007
  - Davis County, Farmington, UT. [30 people] 28 February 2007
  - Washington County, St. George, UT. [35 people] 21 February 2007
  - Kane County, Kanab, UT. [25 people] 20 February 2007
15. **Hodgson, E. W.** Common landscape and turfgrass pests. Washington County Advanced Master Gardener Insect Program, St. George, UT. [30 people] 21 February 2007
14. **Hodgson, E. W.** Common turfgrass pests and control options. Utah Nursery and Landscape Association Green Conference, Sandy, UT. [90 people] 24 January 2007
13. **Hodgson, E. W.** Aphids – those sucking insects. Utah Nursery and Landscape Association Green Conference, Sandy, UT. [45 people] 22 January 2007
12. **Hodgson, E. W.** Household and nuisance pests. Utah Pest Control and Lawn Care Association Conference, Salt Lake City, UT. [35 people] 19 January 2007
11. Kopp, K., and **E. W. Hodgson.** Common turfgrass pests. Utah Pest Control and Lawn Care Association Conference, Salt Lake City, UT. [60 people] 19 January 2007
10. **Hodgson, E. W.** Insects and IPM in alfalfa. Utah Hay and Forage Symposium, St. George, UT. [175 people] 7 January 2007

9. **Hodgson, E. W.** Utah's emergency insect and quarantined pests program.
  - UDAF Pesticide Recertification Workshop, Logan, UT. [87 people] 20 December 2006
  - UDAF Pesticide Recertification Workshop, Brigham City, UT. [111 people] 19 December 2006
  - UDAF Pesticide Recertification Workshop, Draper, UT. [100 people] 15 December 2006
  - UDAF Pesticide Recertification Workshop, Richfield, UT. [60 people] 30 November 2007
  - UDAF Pesticide Recertification Workshop, St. George, UT. [96 people] 29 November 2006
8. **Hodgson, E. W.** Japanese beetle and other landscape pests. Intermountain Farmers Association Pesticide Recertification Seminar, Riverton, UT. [60 people] 7 November 2006
7. **Hodgson, E. W.** Best management practices for turfgrass. Cache County Advanced Master Gardener Workshop. Logan, UT. [9 people] 5 October 2006
6. **Hodgson, E. W.** Master Gardener Insect Program: Insects in the garden.
  - Thanksgiving Point Gardens, Lehi, UT. [55 people] 3 October 2006
  - Utah County, Provo, UT. [20 people] 3 October 2006
5. **Hodgson, E. W.** Recent insect invasions to Utah. 59th Annual Utah Mosquito Abatement Association Conference, St. George, UT. [125 people] 2 October 2006
4. **Hodgson, E. W.** Japanese beetle and other landscape pests. USU Horticulture Diagnostic Workshop for Utah State Pest Control and Lawn Care Association, Thanksgiving Point Gardens, Lehi, UT. [45 people] 21 September 2006
3. **Hodgson, E. W.** Common vegetable pests and common IPM tactics. 2nd Annual USU Horticulture Diagnostic Workshop, Thanksgiving Point, Lehi, UT. [30 people] 25 April 2006
2. **Hodgson, E. W.** Public health pests and disease vectors. Utah Mosquito Abatement Association Spring Workshop, Salt Lake City, UT. [125 people] 8 April 2006

### **University of Minnesota**

1. **Hodgson, E. W.** Soybean aphid in Minnesota. Minnesota Department of Natural Resources, St. Paul, MN. [14 people] May 2005

### **Field Day Demonstrations**

TOTAL PRESENTATIONS TO DATE: 129 (7,775 contacts)

TOTAL PRESENTATIONS AT ISU: 125 (6,922 contacts)

### **Iowa State University**

129. **Hodgson, E.,** and A. Dean. Corn rootworm management. Champion Seed Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 45 people] 24 August 2020
128. **Hodgson, E.** Field crop pest updates. Northern Research Farm, Iowa State University, Kanawha, IA. [45 people] 5 September 2019
127. **Hodgson, E.** Field crop pest updates. Northeast Research Farm, Iowa State University, Nashua, IA. [2 sessions; 75 people] 28 August 2019

126. **Hodgson, E.** Insect updates. Dekalb Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 25 people] 8 August 2019
125. Richardson, J., and **E. Hodgson.** Insect identification and scouting in field crops. Corteva Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [6 sessions; 60 people] 23 July 2019
124. **Hodgson, E.** Soybean gall midge update. Armstrong Research Farm, Iowa State University, Lewis, IA. [75 people] 18 July 2019
123. **Hodgson, E.** Corn pest management. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [22 people] 11 July 2019
122. **Hodgson, E.** Soybean defoliation and pest management. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [22 people] 11 July 2019
121. **Hodgson, E.** Basics of insect scouting in field crops. Women's Agronomy Workshop, Carroll, IA. [8 people] 10 July 2019
120. **Hodgson, E.** Soybean gall midge update. Northwest Research Farm, Iowa State University, Sutherland, IA. [3 sessions; 135 people] 10 July 2019
119. **Hodgson, E.** Insect ID and scouting in field crops. Corteva New Agronomists Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 75 people] 9 July 2019
118. **Hodgson, E.** Soybean aphid management update. Northcentral Research Farm, Iowa State University, Kanawha, IA. [3 sessions; 85 people] 20 June 2019
117. **Hodgson, E.,** and A. Dean. Seed and seedling pest management in field crops. Early-Season Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 40 people] 16 May 2019
116. **Hodgson, E.,** and E. Rodbell. Host plant resistance for soybean aphid. Practical Farmers of Iowa Field Day, Marble Rock, IA. [22 people] 6 September 2018
115. **Hodgson, E.** Insect updates. Stine Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 50 people] 23 August 2018
114. **Hodgson, E.** Soybean aphid efficacy evaluation using Sefina. Corteva Field Day, Northwest Research Farm, Iowa State University, Sutherland, IA. [8 people] 22 August 2018
113. **Hodgson, E.** Insect updates. Monsanto Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [45 people] 21 August 2018
112. Anderson, M., and **E. Hodgson.** IPM 101 Quiz. Wyffels Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [5 sessions; 60 people] 1 August 2018

111. Richardson, J., and **E. Hodgson**. Insect identification and scouting in field crops. Corteva New Agronomists Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 35 people] 25 July 2018
110. **Hodgson, E.** Seed/seedling pest management in field crops. Early-Season Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 25 people] 10 May 2018
109. **Hodgson, E.** Soybean aphid management update. Northcentral Research Farm, Iowa State University, Kanawha, IA. [2 sessions; 40 people] 7 September 2017
108. **Hodgson, E.** Soybean aphid life cycle, biology and dynamics. SCN and Soybean aphid Workshop, Field Extension Education Laboratory, Iowa State University, Ames, IA. [20 people] 17 August 2017
107. **Hodgson, E.** Corn rootworm management updates. AAI Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 85 people] 8 August 2017
106. **Hodgson, E.** Corn rootworm management updates. Wyffels Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [4 sessions; 35 people] 2 August 2017
105. **Hodgson, E.** Field crop pest management basics. Women's Agronomy Group, Iowa State University Field Extension Education Laboratory, Ames, IA. [9 people] 1 August 2017
104. **Hodgson, E.** Hop pest ID and management. Sustainable Hop Production Workshop, Iowa State University Horticulture Research Station, Ames, IA. [20 people] 18 July 2017
103. **Hodgson, E.** Corn and soybean pest management. Pioneer Field Day, Iowa State University Field Extension Education Laboratory, Ames, IA. [4 sessions; 110 people] 18 July 2017
102. **Hodgson, E.** Corn rootworm management update. Monsanto Field Day, Iowa State University Field Extension Education Laboratory, Ames, IA. [2 sessions; 60 people] 14 July 2017
101. **Hodgson, E.** Corn pest management update. Crop Management Clinic, Iowa State University Field Extension Education Laboratory, Ames, IA. [2 sessions; 22 people] 13 July 2017
100. **Hodgson, E.** Soybean aphid management update. Crop Management Clinic, Iowa State University Field Extension Education Laboratory, Ames, IA. [2 sessions; 22 people] 13 July 2017
99. **Hodgson, E.** Soybean aphid resistance management. Northwestern Research Farm, Iowa State University, Sutherland, IA. [3 sessions; 95 people] 12 July 2017
98. **Hodgson, E.** Soybean aphid and corn rootworm management update. Northcentral Research Farm, Iowa State University, Kanawha, IA. [55 people] 22 June 2017
97. **Hodgson, E.** Seed and seedling pest management in corn and soybean. Early-Season Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [4 sessions; 75 people] 16 May 2017

96. **Hodgson, E.**, and M. O'Neal. Soybean aphid management update. Iowa Soybean Association Field Day, Iowa State University Field Extension Education Laboratory, Ames, IA. [35 people] 9 September 2016
95. **Hodgson, E.** Corn rootworm management update. Northcentral Research Farm, Iowa State University, Kanawha, IA. [2 sessions; 70 people] 8 September 2016
94. **Hodgson, E.** Corn rootworm management update. CPS Field Day, Iowa State University Field Extension Education Laboratory, Ames, IA. [35 people] 7 September 2016
93. **Hodgson, E.** Corn rootworm management update. Bowden Field Day, Humbolt, IA. [15 people] 18 August 2016
92. **Hodgson, E.** Soybean aphid management update. BASF Field Day, Iowa State University Northeast Research Farm, Nashua, IA. [25 people] 17 August 2016
91. **Hodgson, E.** Corn rootworm management update. Agribusiness Association of Iowa Field Day, Iowa State University Field Extension Education Laboratory, Ames, IA. [2 sessions; 65 people] 8 August 2016
90. **Hodgson, E.**, and M. Rice. Corn rootworm management updates. Wyffels Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [5 sessions; 225 people] 3 August 2016
89. **Hodgson, E.** Field crop pest management basics. Women's Agronomy Group, Southeastern Research Farm, Iowa State University, Crawfordsville, IA. [13 people] 25 June 2016
88. **Hodgson, E.** Caterpillar identification, sampling and management. Pioneer Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [4 sessions, 125 people] 19 July 2016
87. **Hodgson, E.** Soybean aphid management update. Crop Management Clinic, Iowa State University Field Extension Education Laboratory, Ames, IA. [2 sessions; 45 people] 14 July 2016
86. **Hodgson, E.** Corn rootworm management update. Crop Management Clinic, Iowa State University Field Extension Education Laboratory, Ames, IA. [2 sessions; 45 people] 13 July 2016
85. **Hodgson, E.** Hodgson, E. Field crop pest management basics. Women's Agronomy Group, Smeltzer Research Farm, Iowa State University, Otho, IA. [12 people] 12 June 2016
84. **Hodgson, E.** Field crop pest management basics. Women's Agronomy Group, Northcentral Research Farm, Iowa State University, Kanawha, IA. [4 people] 5 June 2016
83. **Hodgson, E.** Early-season insect activity update. AgriGold Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [40 people] 21 June 2016
82. **Hodgson, E.**, and M. Rice. Corn caterpillar ID and management. Beck's Hybrids Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [88 people] 15 June 2016
81. **Hodgson, E.** Early-season corn and soybean pest management. United Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [22 people] 18 May 2016

80. **Hodgson, E.**, and M. Rice. Early-season corn and soybean pest management. Early-season clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 68 people] 17 May 2016
79. **Hodgson, E.** Late-season management of corn rootworm and soybean aphid. Late-season crop management clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [14 people] 26 August 2015
78. **Hodgson, E.** Caterpillar identification, sampling and management. Wyffels Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [5 sessions; 200 people] 5 August 2015
77. **Hodgson, E.** Caterpillar identification, sampling and management. Pioneer Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [4 sessions, 140 people] 23 July 2015
76. **Hodgson, E.** Caterpillar ID in corn and soybean. Crop management clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions, 65 people] 15 July 2015
75. **Hodgson, E.** Corn caterpillar identification, scouting and management. AgriGold Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [45 people] 2 July 2015
74. **Hodgson, E.** Field crop pest management basics. Women's Agronomy Group, Northcentral Research Farm, Iowa State University, Kanawha, IA. [8 people] 30 June 2015
73. **Hodgson, E.** Early-season insect activity update. Beck's Hybrids Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [40 people] 18 June 2015
72. **Hodgson, E.** Insect ID, scouting and degree day estimation. United Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [30 people] 20 May 2015
71. **Hodgson, E.** Insect ID, scouting and degree day estimation. Field scouting basics workshop, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 90 people] 18 May 2015
70. **Hodgson, E.** Host plant resistance for soybean aphid and corn rootworm update. Late-season field crop management clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions, 40 people] 7 August 2014
69. **Hodgson, E.** Managing soybean aphid with host plant resistance. North Central Soybean Research Program Regional Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [50 people] 14 August 2014
68. **Hodgson, E.** Host plant resistance for soybean aphid and corn rootworm update. Pioneer Canada Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions, 50 people] 13 August 2014
67. **Hodgson, E.** Host plant resistance for soybean aphid and corn rootworm update. Stine Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [25 people] 7 August 2014

66. **Hodgson, E.** Host plant resistance and seed treatments for soybean aphid. North Central Soybean Research Program Board of Directors Plot Tour, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 40 people] 22 July 2014
65. **Hodgson, E.** Insecticidal seed treatments in soybean. Practical farmers of Iowa Field Day, Lynch Family Farms, Gilmore City, IA. [40 people] 17 July 2014
64. **Hodgson, E.** Corn pest identification and management. Wyffel Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [4 sessions; 135 people] 16 July 2014
63. **Hodgson, E.** Corn pest identification and management. Stine Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 50 people] 15 July 2014
62. **Hodgson, E.** Corn rootworm injury assessment basics. Mid-season field crop pest management clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 45 people] 9 July 2014
61. **Hodgson, E.** Improved host plant resistance for soybean aphid. Mid-season field crop pest management clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 30 people] 9 July 2014
60. **Hodgson, E.** Early-season corn pest identification and management. Agrigold Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 50 people] 1 July 2014
59. **Hodgson, E.** Early-season pest management update. Northwest Research Farm Field Day, Sutherland, IA. [2 sessions; 80 people] 25 June 2014
58. **Hodgson, E.** Early-season pest management update. Northeast Research Farm Field Day, Nashua, IA. [50 people] 24 June 2014
57. **Hodgson, E.** Early-season field crop pest management. Field day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 45 people] 11 June 2014
56. **Hodgson, E.** Insect identification and early season scouting in field crops. Field day, Field Extension Education Laboratory, United Supplier Meeting, Ames, IA. [12 people] 22 May 2014
55. **Hodgson, E.** Insect ID and early season scouting in field crops. Field day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 33 people] 15 May 2014
54. **Hodgson, E.** Corn insect management. Dordt College, Sioux Center, IA. [4 sessions; 140 people] 4 September 2013
53. **Hodgson, E.** Corn insect update. North Central Cooperative Fall Seed Plot Field Day, Clarion, IA. [130 people] 3 September 2013
52. **Hodgson, E.** Corn rootworm resistance update. Iowa State University Agronomy Farm Field Day, Boone, IA. [125 people] 30 August 2013

51. Gassmann, A., and **E. Hodgson**. Corn rootworm evaluation field day. Field Extension Education Laboratory, Iowa State University, Ames, IA. [28 people] 8 August 2013
50. **Hodgson, E.** Corn insect ID. Agrigold Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 35 people] 6 August 2013
49. **Hodgson, E.** Corn rootworm management. Pioneer Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [4 sessions; 120 people] 30 July 2013
48. **Hodgson, E.** Corn rootworm activity update. LG Seeds Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 40 people] 11 July 2013
47. **Hodgson, E.** Introduction to field crop insect management. Insect Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions: 50 people] 9 July 2013
46. **Hodgson, E.** Early-season pest management update. Northern Research Farm Field Day, Kanawha, IA. [2 sessions; 60 people] 25 June 2013
45. **Hodgson, E.** Corn insect management update. Northern Research Farm Field Day, Kanawha, IA. [45 people] 5 September 2012
44. **Hodgson, E.** Field crop pest management update. Northeast Research Farm, Nashua, IA. [2 sessions; 75 people] 22 August 2012
43. **Hodgson, E.** Using technology to improve production practices. Insect Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [17 people] 15 August 2012
42. **Hodgson, E.** Soybean insect identification, sampling and management. Insect Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [17 people] 15 August 2012
41. **Hodgson, E.** Introduction to field crop insect management. Insect Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [17 people] 15 August 2012
40. **Hodgson, E.** Corn insect activity update. Pioneer Field Day, Field Extension Education Laboratory, Ames, IA. [2 sessions; 40 people] 2 August 2012
39. **Hodgson, E.** Corn insect activity update. Pioneer Field Day, Field Extension Education Laboratory, Ames, IA. [4 sessions; 100 people] 20 July 2012
38. **Hodgson, E.** Soybean insect management. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 65 people] 12 July 2012
37. Mueller, D., and **E. Hodgson**. Soybean fungicides and insecticides. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 70 people] 12 July 2012

36. Pringnitz, B., and **E. Hodgson**. Smart crop production. Management Clinic, Field Extension Education Laboratory, Iowa State University Ames, IA. [2 sessions; 45 people] 11 July 2012
35. **Hodgson, E.** Introduction to field crop insect management. Diagnostic Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 37 people] 10 July 2012
34. **Hodgson, E.**, and M. O'Neal. Soybean insect management updates. Iowa Soybean Association Field Day, Field Extension Education Laboratory, Ames, IA. [60 people] 26 August 2011
33. O'Neal, M., and **E. Hodgson**. Host plant resistance update for soybean aphid. Plot tour, Ron Rossman Organic Farm, Harlan, IA. [45 people] 18 August 2011
32. Ostlie, K., and **E. Hodgson**. Assessing corn rootworm injury. Management Clinic, Field Extension Education Laboratory, Iowa State University Ames, IA. [2 sessions; 50 people] 14 July 2011
31. Ostlie, K., and **E. Hodgson**. Trait performance and refuge requirements in corn. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 60 people] 14 July 2011
30. Robertson, A., and **E. Hodgson**. Every plant counts. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 80 people] 13 July 2011
29. **Hodgson, E.** Bug basics and beyond. Diagnostic Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 65 people] 12 July 2011
28. O'Neal, M., and **E. Hodgson**. Host plant resistance for organic production. Plot tour, Ron Rossman Organic Farm, Harlan, IA. [30 people] 11 September 2010
27. **Hodgson, E.** Host plant resistance research for soybean aphid. Field day, Kanawha Research Farm, Iowa State University, Kanawha, IA. [3 sessions; 75 people] 9 September 2010
26. O'Neal, M., and **E. Hodgson**. Host plant resistance for organic production. Plot tour, Paul Mugge Organic Farm, Sutherland, IA. [25 people] 28 August 2010
25. **Hodgson, E.** Host plant resistance research for soybean aphid. Field day, Neely-Kinyon Research Farm, Iowa State University, Greenfield, IA. [55 people] 25 August 2010
24. **Hodgson, E.** Using smartphones to manage soybean aphid. Monsanto and CPS Crop Management Clinic, Field Extension Education Laboratory, Ames, IA. [2 sessions; 30 people] 20 July 2010
23. Robertson, A., and **E. Hodgson**. Soybean seed treatments. Monsanto and CPS Crop Management Clinic, Field Extension Education Laboratory, Ames, IA. [2 sessions; 65 people] 20 July 2010
22. **Hodgson, E.** Using smartphones to manage soybean aphid. Diagnostic Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 45 people] 20 July 2010
21. Robertson, A., and **E. Hodgson**. Soybean seed treatments. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 50 people] 14 July 2010

20. **Hodgson, E.** Bug basics and beyond. Diagnostic Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 65 people] 13 July 2010
19. **Hodgson, E.** Soybean insect management update. Northwest Iowa Research Farm Field Day, Sutherland, IA. [125 people] 30 June 2010
18. **Hodgson, E.** Soybean insect management update. Southeast Iowa Research Farm Spring Field Day, Crawfordsville, IA. [150 people] 24 June 2010
17. **Hodgson, E.** Soybean insect management update. Field day, Neely-Kenyon Research Farm, Iowa State University, Greenfield, IA. [50 people] 27 August 2009
16. **Hodgson, E.** Soybean aphid management update and plant health in soybean. Wall Lake, IA. [25 people] 27 August 2009
15. O'Neal, M., and **E. Hodgson.** Soybean aphid management, including host plant resistance. CSI Field Day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 50 people] 25 August 2009
14. **Hodgson, E.** Soybean insect management update. Plot tour, Chad Anderson Pioneer Hi-Bred, Emmetsburg, IA. [15 people] 4 August 2009
13. **Hodgson, E.** Soybean insect management update. Clay County Growers Plot, Spencer, IA. [10 people] 4 August 2009
12. **Hodgson, E.** Soybean insect management update. Plot tour, Rod Pierce Farm, Boone, IA. [40 people] 29 July 2009
11. **Hodgson, E.** Soybean pest management tour. Corn and Soybean Initiative and Vision Ag Field Day, Jeff Bermel Farm, Keota, IA. [80 people] 28 July 2009
10. O'Neal, M., and **E. Hodgson.** Soybean aphid scouting. Iowa Soybean Association Field Day, Field Extension Education Laboratory, Ames, IA. [2 sessions; 50 people] 24 July 2009
9. Robertson, A., and **E. Hodgson.** Optimizing pest management in soybean. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [3 sessions; 90 people] 15 July 2009
8. **Hodgson, E.** Insect Diagnostics. Diagnostic Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 75 people] 14 July 2009
7. Robertson, A., and **E. Hodgson.** Optimizing pest management in soybean. UAP/Monsanto Crop Management Clinic, Field Extension Education Laboratory, Ames, IA. [3 sessions; 70 people] 9 July 2009
6. **Hodgson, E.** Soybean aphid host plant resistance and a new parasitoid in Iowa. Spring Field Day, Northern Research Farm, Kanawha, IA. [3 sessions; 80 people] 25 June 2009

5. **Hodgson, E.** Aphid suction trapping network, soybean aphid host plant resistance, and western corn rootworm monitoring. Northeast Iowa Agricultural Experimental Association Spring Field Day, Northeast Research Farm, Nashua, IA. [75 people] 18 June 2009

#### **Utah State University**

4. **Hodgson, E.** 2008. Billbug activity in northern Utah. Intermountain Golf Course Superintendents Association Field Day and Golf Tournament at Utah State University Greenville Research Farm, Logan, UT. [35 people] 12 August 2008

#### **University of Minnesota**

3. **Hodgson, E.** Soybean aphid biology and Speed Scouting. Field School for Agricultural Professionals, Lamberton, MN. [4 sessions; 140 people] August 15 2005
2. **Hodgson, E.** Cruisin' for a bruising: Soybean aphids can hit hard. Field School for Agricultural Professionals, Rosemount, MN. [6 sessions; 180 people] 23 June 2003
1. Ragsdale, D. W., and **E. Hodgson.** Soybean aphid: Biology and management. Field School for Agricultural Professionals, Rosemount, MN. [16 sessions; 480 people] 18 July 2001

#### **Mixed-Media Delivery**

4. Contributor, ICM Blog, 2015 – present (<http://crops.extension.iastate.edu/blog>)
3. Creator, It's a bug's life Blog, 2010 – 2014
2. Contributor, Iowa Farmer Today CropWatch Blog, 2010 – 2012
1. Producer and Contributor, [Soybean Pest Podcast](#) with Matt O'Neal, 2009 – present

#### **Webinars, Online Modules and Videos**

- 1xx. **Hodgson, E. W.,** A. Dean, and A. Gassmann. Sustainable corn rootworm management. Iowa State University Extension and Outreach CropsTV, Virtual Delivery [x views live; xx on-demand views] x January 2021
- 4x. McMechan, J., **E. W. Hodgson,** and Vilma Montenegro. Soybean gall midge ecology and plant injury. Soybean gall midge brownbag series, Virtual Delivery. [xxx views live; xx on-demand views] 12 January 2021
46. McMechan, J., T. Hunt, **E. W. Hodgson,** B. Koch, and B. Potter. Soybean gall midge biology, distribution, sampling tips, and look-alikes. Soybean gall midge brownbag series, Virtual Delivery. [210 views live; xx on-demand views] 5 January 2021
45. **Hodgson, E. W. Sustainable corn rootworm management.** Iowa State University Extension and Outreach Ag Chem Dealer Update.
  - Ames, IA. [47 people] 8 December 2020
  - Iowa City, IA [48 people] 15 December 2020

- 1xx. **Hodgson, E. W.**, and A. Dean. Soybean pest updates. Iowa State University Extension and Outreach CropsTV, Virtual Delivery. [x views live; xx on-demand views] 1 December 2020
43. **Hodgson, E. W.** Video: Soybean gall midge management update, Iowa State University. November 2020
42. **Hodgson, E. W.** Video: Soybean aphid IPM, Iowa State University. July 2020
41. **Hodgson, E. W.**, and A. Dean. Video: Adult corn rootworm trapping, Iowa State University. July 2020
40. **Hodgson, E. W.** Video: Using a sweep net in field crops, Iowa State University. July 2020
39. **Hodgson, E. W.** Webinar: Soybean aphid IPM, Essential Row Crop Management, Summer Series, University of Minnesota and Iowa State University. [70 people] 16 July 2020
38. **Hodgson, E. W.** Webinar: Insect identification, scouting and management. Scouting basics, Field Extension Education Laboratory, Iowa State University, Ames, IA. [375 people] 14 May 2020
37. **Hodgson, E. W.** Video: Thistle caterpillar. PSEP Program, Iowa State University. January - December 2020.
36. **Hodgson, E. W.** Video: Thistle caterpillar and soybean gall midge updates. Nationwide Insurance Pesticide Applicator Training Program. January - December 2020.
35. **Hodgson, E. W.** Video: Thistle caterpillar. Nationwide Insurance Pesticide Applicator Training Program. January - December 2020.
34. **Hodgson, E. W.** Video: Soybean gall midge. Nationwide Insurance Pesticide Applicator Training Program. January - December 2019.
33. **Hodgson, E. W.** Video: Soybean gall midge. PSEP Program, Iowa State University. January - December 2019.
32. **Hodgson, E. W.** Video: Threshold-based management for soybean defoliators. PSEP Program, Iowa State University. January - December 2018.
31. **Hodgson, E. W.** Video: Pest updates. Nationwide Insurance Pesticide Applicator Training Program. January - December 2017.
30. **Hodgson, E. W.** Video: Japanese beetle management. PSEP Program, Iowa State University. January - December 2017.
29. **Hodgson, E. W.** Video: Soybean aphid resistance management. PSEP Program, Iowa State University. January - December 2017.
28. **Hodgson, E. W.** Video: IMPACT: Managing weeds, insects and diseases. Iowa State University Extension and Outreach YouTube video. April 2017.

27. **Hodgson, E. W.** Webinar: Understanding insect ID, injury and management practices. DuPont Pioneer World Class Agronomy Network Series.
  - 3 January 2017. [105 people]
  - 27 June 2017. [85 people]
  - 23 January 2018. [90 people]
26. **Hodgson, E. W.**, A. Sisson and B., Kleinke. Video: Trapping for adult black cutworm. Integrated Pest Management Program, Iowa State University Extension and Outreach. May 2016.
25. **Hodgson, E. W.**, and A. Gassmann. Video: Corn rootworm management update. PSEP Program, Iowa State University. January - December 2016.
24. **Hodgson, E. W.** Video: Soybean aphid management update. PSEP Program, Iowa State University. January - December 2015 (3,445 views in 2015)
23. **Hodgson, E. W.** Webinar: Insect scouting, IPM and pest forecast. American Society of Agronomy IPM Webinar Series. 8 June 2015.
22. **Hodgson, E. W.** Video: Host plant resistance for soybean aphid. Department of Entomology, Iowa State University. December 2014
21. **Hodgson, E. W.** Video: Host plant resistance for soybean aphid. Soybean Webcast Series, Plant Management Network. June 2014. (1,108 views in 2014)
20. **Hodgson, E. W.** Webinar: Assessing corn rootworm activity now. American Society of Agronomy IPM Webinar Series. 18 June 2014. (350 viewers)
19. **Hodgson, E. W.** Video: Corn rootworm resistance management. January - December 2013.
18. Heidel-Baker, T., C. Hardin, and **E. W. Hodgson.** Videos: Join the resistance against soybean aphid. Department of Entomology, Iowa State University. July 2013.
  - What is host plant resistance?
  - When to use host plant resistance?
  - Why use host plant resistance?
17. **Hodgson, E. W.**, and A. J. Chia. Online module: Twospotted spider mite management in corn and soybean, Iowa Certified Crop Adviser Institute, Iowa State University. May 2013
16. **Hodgson, E. W.**, and C. Krupke. Video: Bee health and seed treatments. Department of Entomology, Iowa State University. March 2013
15. **Hodgson, E. W.** Video: [Spider mite management in Iowa](#). Department of Entomology, Iowa State University. February 2012
14. **Hodgson, E. W.**, and A. J. Chia. Online module: Japanese beetle biology and management, Iowa Certified Crop Adviser Institute, Iowa State University. May 2012
13. **Hodgson, E. W.** 2012. Video: Host plant resistance for soybean aphid. Iowa Commercial Pesticide Applicator Training. January - December 2012 (3,086 views in 2012)

12. **Hodgson, E. W.**, and A. Gassmann. Video: Corn rootworm resistance management in Iowa. Iowa Private Pesticide Applicator Training. January-December 2012 (15,997 views)
11. **Hodgson, E. W.** Video: [Japanese beetle management in corn and soybean](#). Department of Entomology, Iowa State University. September 2011
10. **Hodgson, E. W.** Video: Using Speed Scouting for Soybean Aphid in the field. Soybean Webcast Series, Plant Management Network. June 2011 (1,545 views in 2011)
9. **Hodgson, E. W.** Video: Introduction to insects. In Integrated Pest Management: Scouting Fields and Educational Resources, Iowa State University Crop Adviser Institute. November 2010
8. **Hodgson, E. W.** Video: [Using a sweep net in soybean](#). Department of Entomology, Iowa State University. September 2010
7. **Hodgson, E. W.** Video: 2010 insect update. Iowa Private Pesticide Applicator Training. December 2010 - April 2011 (16,409 views)
6. Chia, A. J., S. K. Barnhart, and **E. W. Hodgson**. Online module: 2010 Alfalfa insect pests, Iowa Certified Crop Adviser Institute, Iowa State University. August 2010
5. **Hodgson, E. W.** Video: [Bean leaf beetle biology in soybean \(slides only\)](#). Soybean Webcast Series, Plant Management Network. March 2010 (1,054 views in 2010)
4. **Hodgson, E. W.** Video: [Bean leaf beetle management in soybean \(slides only\)](#). Soybean Webcast Series, Plant Management Network. March 2010 (1,054 views in 2010)
3. **Hodgson, E. W.** Video: Aphid management in corn and soybean. Iowa State University Extension Ag Chemical Dealer Update Series. November 2009
2. **Hodgson, E. W.** Video: [A new tool for managing soybean aphid in Iowa](#). Iowa Private Pesticide Applicator Training. December 2009 - April 2010. Iowa Commercial Pesticide Applicator Training. January-December 2010
1. **Hodgson, E. W.** Online module: Insect Management. Iowa REAP (Resource Enhancement and Protection) Program. September 2009

### Summary of contributions to popular press interviews

Type of Interview	06-09 <sup>Ω</sup>	09-12 <sup>σ</sup>	13-16 <sup>β</sup>	17-19 <sup>β</sup>	2020 <sup>Φ</sup>	2021 <sup>Φ</sup>	Total
Newspaper/Magazine	5	48	43	28	1		125
Online/Podcasts	0	13	3	6	2		24
Television/Radio	16	56	39	14	9		134

*Ω* = includes activity at Utah State University from May 2006 through March 2009; *σ* = includes activity as an assistant professor at Iowa State University from April 2009 - June 2012; *β* = includes activity as an associate professor at ISU; and *Φ* = includes activity as a professor at ISU.

## **RESEARCH (20%)**

### **Refereed Publications**

TOTAL PUBLICATIONS TO DATE: 22

TOTAL PUBLICATIONS AT ISU: 13

- xx. Coates, B. S., J. D. Hohenstein, R. Giordano, A. P. Michel, **E. W. Hodgson**, and M. E. O'Neal. 2019. Genome-wide variation among biotypes of the soybean aphid, *Aphis glycines*, with differing virulence to resistance to *A. glycines* (*Rag*) traits in soybean, *Glycine max*. *Insect Biochemistry and Molecular Biology*, submitted May 2019.
- xx. **Hodgson, E. W.**, A. N. Dean, G. VanNostrand, and C. Ellers-Kirk. Developing a residual testing protocol for soybean aphid (Hemiptera: Aphididae). *Journal of the Kansas Entomological Society*, in press April 2020.
22. Dean, A. N., J. B. Niemi, J. C. Tyndall, E. W. Hodgson, and M. E. O'Neal. Developing a decision-making framework for insect pest management: a case study using *Aphis glycines* (Hemiptera: Aphididae). *Pest Management Science*. DOI: [10.1002/ps.6093](https://doi.org/10.1002/ps.6093).
21. Menger, J., P. Beauzay, A. Chirumamilla, J. Gavloski, P. Glogoza, K. Hamilton, **E. W. Hodgson**, J. J. Knodel, I. V. MacRae, D. T. Pezzini, B. D. Potter, A. J. Varenhorst, and R. L. Koch. 2020. Implementation of diagnostic-concentration bioassay for detection of susceptibility to pyrethroids in soybean aphid (Hemiptera: Aphididae). *Journal of Economic Entomology*. DOI: [10.1093/jee/toz351](https://doi.org/10.1093/jee/toz351).
20. Marston, Z. P. D., T. M. Cira, **E. W. Hodgson**, I. V. MacRae, and R. L. Koch. 2019. Detection of soybean aphid-induced stress using unmanned aerial vehicle (UAV) multispectral imagery. *Journal of Economic Entomology*. DOI: [10.1093/jee/toz306](https://doi.org/10.1093/jee/toz306).
19. Valmorbidia, I., D. S. Muraro, **E. W. Hodgson**, and M. E. O'Neal. 2019. Soybean aphid (Hemiptera: Aphididae) response to lethal and sublethal doses of lambda-cyhalothrin vary with its virulence status to aphid-resistant soybean. *Pest Management Science*. DOI: [10.1002/ps.5661](https://doi.org/10.1002/ps.5661).
18. Dean, A. N., S. Pritchard, J. Tyndall, **E. W. Hodgson**, and M. E. O'Neal. 2019. Evaluating soybean aphid-resistant varieties in different environments to estimate financial outcomes. *Journal of Economic Entomology*. DOI: [10.1093/jee/toz309](https://doi.org/10.1093/jee/toz309).
17. Koch, R. L., O. da Silva Queiroz, R. Carlesso Aita, **E. W. Hodgson**, B. D. Potter, C. D. Ellers-Kirk, and T. W. Nyoike. 2019. Efficacy of afidopyropen against soybean aphid (Hemiptera: Aphididae) and toxicity to natural enemies. *Pest Management Science*. DOI: [10.1002/ps.5525](https://doi.org/10.1002/ps.5525).
16. Clifton, E. H., S. T. Jaronski, B. S. Coates, **E. W. Hodgson**, and A. J. Gassmann. 2017. Effects of endophytic fungi on soybean aphid (Hemiptera: Aphididae) and identification of *Metarhizium* isolates from agricultural fields. *PLoS One*. DOI: [10.1371/journal.pone.0194815](https://doi.org/10.1371/journal.pone.0194815).
15. Clifton, E. H., **E. W. Hodgson**, G. Tylka, and A. J. Gassmann. 2017. Interactions of host plant resistance and seed treatments on soybean aphid (*Aphis glycines* Matsumura) and soybean cyst nematode (*Heterodera glycines* Ichinohe). *Pest Management Science*. DOI: [10.1002/ps.4800](https://doi.org/10.1002/ps.4800).

14. Varenhorst, A. J., S. R. Pritchard, M. E. O'Neal, **E. W. Hodgson**, and A. K. Singh. 2017. Determining the effectiveness of three-gene pyramids against *Aphis glycines* (Hemiptera: Aphididae) biotypes. *Journal of Economic Entomology*. DOI: [10.1093/jee/tox230](https://doi.org/10.1093/jee/tox230).
13. Hanson, A. A., J. Menger-Anderson, C. Silverstein, B. D. Potter, I. V. MacRae, **E. W. Hodgson**, and R. L. Koch. 2017. Evidence for soybean aphid (Hemiptera: Aphididae) resistance to pyrethroid insecticides in the upper midwestern United States. *Journal of Economic Entomology*. DOI: [10.1093/jee/tox235](https://doi.org/10.1093/jee/tox235).
12. Krupke, C., A. Alford, E. Cullen, **E. Hodgson**, J. Knodel, B. McCornack, B. Potter, M. Spigler, K. Tilmon, and K. Welch. 2017. Assessing the value and pest management window provided by neonicotinoid seed treatments for management of soybean aphid (*Aphis glycines* Matsumura) in the Upper Midwest. *Pest Management Science*. DOI: [10.1002/ps.4602](https://doi.org/10.1002/ps.4602).
11. Clifton, E. H., S. T. Jaronski, **E. W. Hodgson**, and A. J. Gassmann. 2015. Abundance of soil-borne entomopathogenic fungi in organic and conventional fields in the Midwestern USA with an emphasis on the effect of herbicides and fungicides on fungal persistence. *PLoS One*. DOI: [10.1371/journal.pone.0133613](https://doi.org/10.1371/journal.pone.0133613).
10. Bruner, R. F., **E. W. Hodgson**, and A. J. Gassmann. 2013. Preference and performance of soybean defoliators on *Rag1* soybean. *Journal of Economic Entomology*. DOI: [10.1603/EC13099](https://doi.org/10.1603/EC13099).
9. **Hodgson, E. W.**, T. L. Pitts-Singer, and J. Barbour. 2011. Effects of an insect growth regulator, novaluron, on immature alfalfa leafcutting bees, *Megachile rotundata*. *Journal of Insect Science*. DOI: [10.1673/031.011.0143](https://doi.org/10.1673/031.011.0143).
8. O'Neal, M. E., K. Johnson, **E. Hodgson**, D. Ragsdale, I. MacRae, B. Potter, C. DiFonzo, K. Tilmon, E. Cullen, P. Glogoza, and B. P. McCornack. 2010. Comments on "Soybean aphid population dynamics, soybean yield loss, and development of stage-specific economic injury levels." *Agronomy Journal*. 102: 55-56.
7. Johnson, K. D., M. E. O'Neal, D. W. Ragsdale, B. E. Potter, C. D. DiFonzo, S. M. Swinton, and **E. W. Hodgson**. 2009. Probability of cost-effective management of soybean aphid (Hemiptera: Aphididae) in North America. *Journal of Economic Entomology*. DOI: [10.1603/029.102.0613](https://doi.org/10.1603/029.102.0613).
6. Ragsdale, D. W., B. P. McCornack, R. C. Venette, **E. W. Hodgson**, B. D. Potter, I. V. MacRae, M. E. O'Neal, K. D. Johnson, R. J. O'Neil, C. D. DiFonzo, T. E. Hunt, P. Glogoza, and E. M. Cullen. 2007. Economic threshold for soybean aphid (Hemiptera: Aphididae). *Journal of Economic Entomology*. DOI: [10.1093/jee/100.4.1258](https://doi.org/10.1093/jee/100.4.1258).
5. **Hodgson, E. W.**, B. P. McCornack, K. A. Koch, D. W. Ragsdale, K. D. Johnson, M. E. O'Neal, E. M. Cullen, H. J. Kraiss, C. D. DiFonzo, M. Jewett, and L. M. Behnken. 2007. Field validation of Speed Scouting for soybean aphid. *Crop Management*. DOI: [10.1094/CM-2007-0511-01-RS](https://doi.org/10.1094/CM-2007-0511-01-RS).
4. **Hodgson, E. W.**, R. L. Koch, and D. W. Ragsdale. 2005. Pan trapping for soybean aphid (Homoptera: Aphididae) in Minnesota soybean fields. *Journal of Entomological Science*. 40: 409-419.
3. **Hodgson, E. W.**, R. C. Venette, M. Abrahamson, and D. W. Ragsdale. 2005. Alate production of soybean aphid (Homoptera: Aphididae) in Minnesota. *Environmental Entomology*. DOI: [10.1603/0046-225X-34.6.1456](https://doi.org/10.1603/0046-225X-34.6.1456).

2. **Hodgson, E. W.**, E. C. Burkness, W. D. Hutchison, and D. W. Ragsdale. 2004. Enumerative and binomial sequential sampling plans for soybean aphid (Homoptera: Aphididae) in soybean. *Journal of Economic Entomology*. DOI: [10.1093/jee/97.6.2127](https://doi.org/10.1093/jee/97.6.2127).
1. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2004. Within-field distribution of the sunflower midge (Diptera: Cecidomyiidae). *Environmental Entomology*. DOI: [10.1603/0046-225X-33.4.787](https://doi.org/10.1603/0046-225X-33.4.787).

### Other Research and Featured Publications

- x. **Hodgson, E. W.**, and A. Dean. 2021. Datasheet for *Popillia japonica* Newman, (Coleoptera: Scarabaeidae). *Crop Protection Compendium*, CAB International, Wallingford, United Kingdom.
2. Reisig, D., P. Ellsworth, and **E. Hodgson**. The roles of soft technologies and cooperative extension in solving wicked Integrated Pest Management problems, pp. 155-178. *In* D. W. Onstad and P. R. Crain (eds.), *The economics of integrated pest management of insects*. CAB International, Wallingford, United Kingdom. ISBN-13: 978-1786393678
1. **Hodgson, E. W.** 2014. [Datasheet](#) for *Aphis glycines* Matsumura, (Hemiptera: Aphididae). *Crop Protection Compendium*, CAB International, Wallingford, United Kingdom.

### Research Presentations

#### Summary of research presentations

Type of Presentation	1999-2006 <sup>£</sup>	2006-2009 <sup>Ω</sup>	2009-2013 <sup>σ</sup>	2014-2019 <sup>Δ</sup>	2020-2021 <sup>Φ</sup>	Total
Invited	5	0	2	12	0	19
Contributed	13	3	12	25	3	56
Poster	3	3	11	19	0	36
Departmental	9	3	2	1	0	15

£ = includes activity as a graduate student at North Dakota State University and the University of Minnesota.; Ω = includes activity as an assistant professor at Utah State University; σ = includes activity as an assistant professor at Iowa State University; Δ = includes activity as an associate professor at ISU; and Φ includes activity as a professor at ISU.

#### Invited Papers

19. **Hodgson, E. W.** 2019. Advocacy in action: using extension and research to promote IPM in field crops. *In* Symposium: Advocacy in action: tackling invasive species through collaboration, policy, and public engagement." 67th Annual Entomological Society of America Meeting, St. Louis, MO, 17 November 2019.
18. McMechan, J., and **E. Hodgson**. Soybean gall midge: a new soybean pest. 74th North Central Branch Entomological Society of America Meeting, Cincinnati, OH, 19 March 2019.

17. Cass, R., **E. W. Hodgson**, M. E. O'Neal, A. L. Toth, and A. Dolezal. Extension tailored to fit your audience: Enhancing survey tools with Importance Performance Analysis. *In* Symposium: Communicating effectively in extension: addressing new expectations in the learning experience. 66th Annual Entomological Society of America Meeting, Vancouver, BC, Canada, 14 November 2018.
16. **Hodgson, E. W.**, and B. P. McCornack. See the nerd and then be the nerd with a Share Fair. *In* Symposium: Communicating effectively in extension: addressing new expectations in the learning experience. 66th Annual Entomological Society of America Meeting, Vancouver, BC, Canada, 14 November 2018.
15. Peterson, J., J. Green, **E. Hodgson**, K. Kesheimer, J. Wu-Smart, and S. Zukoff. Women in extension: Challenges, rewards and the #MeToo movement. *In* Symposium: Continued challenges in entomology from a woman's perspective. 66th Annual Entomological Society of America Meeting, Vancouver, BC, Canada, 11 November 2018.
14. O'Neal, M., A. Toth, **E. Hodgson**, J. P. Hendriksma, A. St. Clair, G. Zhang, and A. Dolezal. Can we grow soybeans and protect pollinators while managing invasive pests (A: maybe). 73rd North Central Branch Entomological Society of America Meeting, Madison, WI, 20 March 2018.
13. Koch, R., J. Menger, I. MacRae, J. Knodel, B. Potter, P. Glogoza, **E. Hodgson**, A. Varenhorst, A. Chirumamilla, and J. Gavloski. Insecticide resistance in soybean aphid: an emerging challenge in soybean production. 73rd North Central Branch Entomological Society of America Meeting, Madison, WI, 20 March 2018.
12. Wright, R., and **E. Hodgson**. Grower perception of insect resistance issues: results from two surveys. *In* Symposium: Insect/Trait resistance of agronomics crop pests in the north central region. 72nd North Central Branch Entomological Society of America Meeting, Indianapolis, IN, 6 June 2017.
11. **Hodgson, E. W.** 2017. Inscalis residual protocol and evaluation. BASF Inscalis Insecticide Soybean Aphid Workshop, Bloomington, MN, 15 August 2017.
10. Hunt, T, **E. Hodgson**, and K. Tilmon. Soybean IPM in the Midwest? *In* Symposium: Value, integration, and regional specificities of insecticide use in soybean production systems. 91st Annual Southeastern Branch Entomological Society of America Meeting, Memphis, TN, 13 March 2017.
9. Krupke, C., K. Tilmon, E. M. Cullen, **E. W. Hodgson**, J. Knodel, B. McCornack, P. D. Mitchell, and B. D. Potter. A cost-benefit analysis from multistate research on insecticidal seed treatments in soybean. *In* Symposium: What are the costs and benefits for neonicotinoid seed treatments in field crops? 63rd Annual Entomological Society of America Meeting, Minneapolis, MN, 15 November 2015.
8. Krupke, C., K. Tilmon, E. Cullen, **E. Hodgson**, J. Knodel, B. McCornack, P. Mitchell, and B. Potter. Big data from multistate research on insecticidal seed treatments in soybean. *In* Symposium: What are the costs and benefits for neonicotinoid seed treatments in field crops? 70th Annual North Central Branch Entomological Society of America Meeting, Manhattan, KS, 31 May 2015.
7. **Hodgson, E.**, D. Landis, C. DiFonzo, C. Gratton, M. O'Neal, D. Ragsdale, and S. Swinton. Soybean aphid in the North Central US: implementing IPM at the landscape scale. 7th International Integrated Pest Management Symposium, Memphis, TN, 28 March 2012.

6. **Hodgson, E. W.**, and M. E. O'Neal. Sustainable soybean aphid management for the next decade. 66th Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 15 March 2011.
5. Ragsdale, D. W., **E. W. Hodgson**, B. P. McCornack, R. C. Venette, L. M. Behnken, M. O'Neal, K. Johnson, E. Cullen, H. Kraiss, C. D. DiFonzo, K. Koch, T. Hunt, B. Potter, P. Glogoza, and R. O'Neil. Soybean aphid: A regional approach to management of an invasive insect. 60th Annual North Central Branch Entomological Society of America Meeting, Bloomington, IL, 27 March 2006.
4. **Hodgson, E. W.**, and D. W. Ragsdale. Population dynamics of soybean aphid in Minnesota. 75th Annual Eastern Branch Entomological Society of America Meeting, New Haven, CT, 8 March 2004.
3. **Hodgson, E. W.**, R. C. Venette, and D. W. Ragsdale. Colonization and dynamics of soybean aphid in Minnesota. 3rd Annual Invasion Biology Research Consortium Retreat, University of Minnesota Landscape Arboretum, Chanhassen, MN, 5 January 2004.
2. **Hodgson, E. W.** Genetic variation and field colonization of soybean aphid. Department of Entomology, North Dakota State University, Fargo, ND. April 2000.
1. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Spatial distribution of sunflower midge. 11th Annual Great Plains Sunflower Workshop, Fargo, ND, 13 April 2000.

### **Contributed Papers**

57. St. Clair, A., R. Cass, H. Hendriksma, A. Toth, M. O'Neal, and **E. Hodgson**. Does the application of insecticides for soybean aphid control affect honey bee colony development in soybean fields? 68th Annual Entomological Society of America Meeting, November 2020. \*Completed virtually
56. McMechan, J., **E. Hodgson**, B. Potter, A. Varenhorst, T. Hunt, and R. Wrights. Soybean gall midge: multi-state field observations from the 2020 season. 68th Annual Entomological Society of America Meeting, November 2020. \*Completed virtually
55. Helton, M., **E. W. Hodgson**, J. McMechan, and N. Tinsley. Injury severity to yield loss relationship for soybean gall midge. 68th Annual Entomological Society of America Meeting, November 2020. \*Completed virtually
54. Valmorbidia, I., J. Hohenstein, J. Bevilacqua, J. Menger, **E. Hodgson**, R. Koch, B. Coates, and M. O'Neal. Association of field-evolved knockdown resistance to pyrethroids in soybean aphid and frequency of resistant alleles pre- and post-foliar insecticide application. 68th Annual Entomological Society of America Meeting, November 2020. \*Completed virtually
53. Helton, M., J. McMechan, and **E. W. Hodgson**. Insecticide efficacy evaluation and emergence observations for soybean gall midge. 75th Annual North Central Branch Entomological Society of America Meeting, June 2020. \*Completed virtually
52. McMechan, A. J., **E. W. Hodgson**, A. Varenhorst, T. Hunt, R. Wright, D. Montezano, and B. Potter. Soybean gall midge: observations on an emerging pest of soybean. 67th Annual Entomological Society of America Meeting, St. Louis, MO, 20 November 2019.

51. Coates, B. S., J. D. Hohenstein, R. Giordano, A. P. Michel, **E. W. Hodgson**, and M. E. O'Neal. Exploration of genome variation among *Aphis glycines* (Hemiptera: Aphididae) biotypes. 67th Annual Entomological Society of America Meeting, St. Louis, MO, 20 November 2019.
50. Dean, A., J. Niemi, J. Tyndall, **E. Hodgson**, and M. E. O'Neal. Optimizing profit for farmers managing soybean aphid. 67th Annual Entomological Society of America Meeting, St. Louis, MO, 18 November 2019. \*Second place award
49. Valmorbidia, I., D. S. Muraro, **E. W. Hodgson**, and M. E. O'Neal. Lethal and sublethal effects of lambda-cyhalothrin on soybean aphid (Hemiptera: Aphididae) title. 67th Annual Entomological Society of America Meeting, St. Louis, MO, 18 November 2019.
48. Geske, A., Z. Marsden, T. Cira, **E. Hodgson**, R. Koch, and D. Malvick. Interaction between *Fusarium virguliforme* and soybean aphid on shared soybean hosts. The American Phytopathological Society Plant Health Annual Meeting, Cleveland, OH, 3-7 August 2019.
47. Dean, A., J. Tyndall, **E. W. Hodgson**, and M. O'Neal. Optimizing profit for farmers managing soybean aphid. 74th Annual North Central Branch Entomological Society of America Meeting, Cincinnati, OH, 18 March 2019. \*Second place award
46. Rodbell, E., **E. W. Hodgson**, M. Liebman, and M. O'Neal. Effect of crop rotation on soybean aphid. 74th Annual North Central Branch Entomological Society of America Meeting, Cincinnati, OH, 18 March 2019. \*First place award
45. Hohenstein, J., M. Kaiser, K. Tilmon, A. Varenhorst, D. Prischmann-Voldseth, B. Potter, **E. W. Hodgson**, and M. O'Neal. Interspersed refuge for sustainable management of virulent *Aphis glycines*. 74th Annual North Central Branch Entomological Society of America Meeting, Cincinnati, OH, 19 March 2019.
44. Valmorbidia, I., J. Hohenstein, B. Coates, **E. W. Hodgson**, J. R. Coats, and M. O'Neal. Monitoring of soybean aphid resistance to lambda-cyhalothrin and identification of mutation in the sodium channel gene associated with insecticide resistance. 74th Annual North Central Branch Entomological Society of America Meeting, Cincinnati, OH, 18 March 2019.
43. Hendriksmal, H. P., A. St. Clair, G. Zhang, R. P. Cass, D. S. Stein, **E. W. Hodgson**, A. G. Dolezal, M. O'Neal, and A. L. Toth. Soy and prairie landscape effects on long term honey bee colony health. 66th Annual Entomological Society of America Meeting, Vancouver, BC, Canada, 13 November 2018.
42. **Hodgson, E. W.**, C. Ellers-Kirk, G. VanNostrand, and A. Dean. Residual testing study of Sefina on soybean aphid. 66th Annual Entomological Society of America Meeting, Vancouver, BC, Canada, 13 November 2018.
41. Dean, A., S. Pritchard, **E. Hodgson**, and M. O'Neal. Using soybean genetics to evaluate the value of soybean aphid management tactics. American Society of Agronomy, the Crop Science Society of America, and the Canadian Society of Agronomy Annual Meeting, Baltimore, MD, 6 November 2018. \*Third place award

40. Varenhorst, A., S. Pritchard, M. O'Neal, **E. Hodgson**, and A. Singh. Managing biotype-4 soybean aphids using a *Rag1+Rag2+Rag4* pyramid. 73rd Annual North Central Branch Entomological Society of America Meeting, Madison, WI, 20 March 2018.
39. Hohenstein, J., M. Kaiser, K. Tilmon, A. Varenhorst, **E. Hodgson**, and M. O'Neal. "Refuge in a bag" approach for sustainable management of virulent soybean aphids in the field. 73rd North Central Branch Entomological Society of America Meeting, Madison, WI, 21 March 2018.
38. Rodbell, E. A., **E. W. Hodgson**, M. Z. Leibman, and M. E. O'Neal. Effect of crop rotation on soybean aphid. M.S. P-IE Student Competition. 73rd Annual North Central Branch Entomological Society of America Meeting, Madison, WI, 19 March 2018. \*Third place award
37. Dean, A., S. Pritchard, **E. W. Hodgson**, and M. E. O'Neal. Optimizing yield environments and soybean genetics for soybean aphid (Hemiptera: Aphididae) management. M.S. P-IE Student Competition. 73rd Annual North Central Branch Entomological Society of America Meeting, Madison, WI, 19 March 2018. \*Second place award
36. Prasifka, P., D. Ruen, R. Koch, B. Potter, **E. Hodgson**, J. Knodel, and D. Prischmann-Voldseth. Isoclast Active for management of soybean aphid: application timing, efficacy and yield. 65th Annual Entomological Society of America Meeting, Denver, CO, 7 November 2017.
35. Rodbell, E., **E. W. Hodgson**, M. Liebman, and M. E. O'Neal. Effect of crop rotation on the population growth rate of soybean aphid. PI-E Student Competition. 65th Annual Entomological Society of America Meeting, Denver, CO, 5 November 2017.
34. Clifton, E. H., **E. W. Hodgson**, G. Tylka, and A. J. Gassmann. Can entomopathogenic fungi induce plant defenses to suppress soybean aphid? PI-E Student Competition. 25th International Congress of Entomology Meeting, Orlando, FL, 26 September 2016.
33. **Hodgson, E. W.**, G. Vannostrand, and E. H. Clifton. Using host plant resistance for soybean aphid and soybean cyst nematode to protect soybean yield. 71st Annual North Central Branch Entomological Society of America Meeting, Cleveland, OH, 8 June 2016.
32. Clifton, E. H., **E. W. Hodgson**, G. Tylka, and A. J. Gassmann. Managing two soybean pests to optimize yield. Ph.D. Student Competition. 63rd Annual Entomological Society of America Meeting, Minneapolis, MN, 15 November 2015.
33. Lasley, P., W. Wintersteen, J. Arbuckle, A. Gassmann, **E. Hodgson**, and M. O'Neal. Pest management concerns among Iowa row-crop farmers. 62nd Annual Entomological Society of America Meeting, Portland, OR, 13 November 2014.
32. Clifton, E. H., **E. W. Hodgson**, G. Tylka, and A. J. Gassmann. Determining pest and pesticide interactions as a means to optimize soybean yield. Ph.D. Student Competition. 62nd Annual Entomological Society of America Meeting, Portland, OR, 14 November 2014.
31. Clifton, E. H., **E. W. Hodgson**, G. Tylka, and A. J. Gassmann. Determining pest and pesticide interactions as a means to optimize soybean yield. Ph.D. Student Competition. 69th Annual North Central Branch Entomological Society of America Meeting, Des Moines, IA, 10 March 2014.

30. Stallman, T., and **E. W. Hodgson**. Survey of insects in Iowa vineyards. B.S. Student Competition. 69th Annual North Central Branch Entomological Society of America Meeting, Des Moines, IA, 10 March 2014.
29. McCarville, M. T., D. Soh, G. L. Tylka, G. C. MacIntosh, **E. W. Hodgson**, and M. E. O'Neal. Soybean aphid feeding increases soybean cyst nematode reproduction. Ph.D. Student Competition. 61st Annual Entomological Society of America Meeting, Austin, TX, 11 November 2013.
28. **Hodgson, E. W.**, A. J. Gassmann, G. J. Arbuckle, and K.J.P. Schaefer. Bt-resistant western corn rootworm: 2012 survey results of Iowa farmer perceptions, experiences and actions. 61st Annual Entomological Society of America Meeting, Austin, TX, 13 November 2013.
27. McCarville, M. T., D. Soh, G. L. Tylka, G. C. MacIntosh, **E. W. Hodgson**, and M. E. O'Neal. Soybean aphid feeding affects soybean cyst nematode reproduction. Ph.D. Student Competition. 68th Annual North Central Branch Entomological Society of America Meeting, Rapid City, SD, 17 June 2013.
26. Clifton, E., S. T. Jaronski, **E. W. Hodgson**, and A. J. Gassmann. Impacts of conventional and organic agriculture on soil-borne fungi. Ph.D. Student Competition. 68th Annual North Central Branch Entomological Society of America Meeting, Rapid City, SD, 17 June 2013.
25. Clifton, E., **E. W. Hodgson**, S. T. Jaronski, and A. J. Gassmann. Impact of conventional versus organic agriculture on entomopathogenic fungi. M.S. Student Competition. 60th Annual Entomological Society of America Meeting, Knoxville, TN, 12 November 2012. \*Runner-up award
24. Clifton, E., **E. W. Hodgson**, S. T. Jaronski, and A. J. Gassmann. The effects of cropping systems on entomopathogenic fungi. M.S. Student Competition. 67th Annual North Central Branch Entomological Society of America Meeting, Lincoln, NE, 4 June 2012. \*Runner-up award
23. Bruner, R., A. J. Gassmann, M. E. O'Neal, and **E. W. Hodgson**. Effects of *Rag1*-resistant soybeans on the development and performance of noctuid larvae. M.S. Student Competition. 67th Annual North Central Branch Entomological Society of America Meeting, Lincoln, NE, 4 June 2012. \*Runner-up award
22. **Hodgson, E. W.**, M. Kemis, and B. Geisinger. Assessment of Iowa soybean growers on IPM practices. 59th Annual Entomological Society of America Meeting, Reno, NV, 15 November 2011.
21. Bruner, R., A. J. Gassmann, **E. W. Hodgson**, and M. E. O'Neal. Preference and performance of two lepidopteran species on *Rag1* cultivars. Student Competition. 59th Annual Entomological Society of America Meeting, Reno, NV, 14 November 2011.
20. O'Neal, M. E., **E. W. Hodgson**, and J. VanDyk. Podcasting for dummies: Or how we learned to use iTunes to deliver soybean aphid recommendations. 66th Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 15 March 2011.
19. Bruner, R., A. J. Gassmann, M. E. O'Neal, and **E. W. Hodgson**. Evaluating the performance and preference of soybean herbivores on *Rag1* soybean. M.S. Student Competition. 66th Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 14 March 2011.

18. **Hodgson, E. W.**, and M. E. O'Neal. Using the suction trapping network to describe aphid migration. 3rd Biennial ISU Aphid Research Symposium, Ames, IA, 15 February 2011.
17. **Hodgson, E. W.**, M. E. O'Neal and J. VanDyk. Podcasting out of our garage: A 2-year review. 58th Annual Entomological Society of America Meeting, San Diego, CA, 13 December 2010.
16. Daniels, C., **E. W. Hodgson**, J. Chumley, and R. Hirnyck. PNW Pest Management Work Group: Transcending boundaries with a geographically-based work group. 6th International Integrated Pest Management Symposium, Portland, OR, 26 March 2009.
15. **Hodgson, E. W.**, T. Pitts-Singer, and J. Barbour. The effects of an IGR on alfalfa leafcutting bee development. 56th Annual Entomological Society of America Meeting, Reno, NV, 18 November 2008.
14. **Hodgson, E. W.** Within-field movement of billbugs in Utah turfgrass. 92nd Annual Pacific Branch Entomological Society of America Meeting, Napa Valley, CA, 1 April 2008.
13. Ragsdale, D. W., **E. W. Hodgson**, B. P. McCornack, R. C. Venette, L. M. Behnken, M. O'Neal, K. Johnson, E. Cullen, H. Kraiss, C. D. DiFonzo, K. Koch, T. Hunt, B. Potter, P. Glogoza, and R. O'Neil. Soybean aphid and the challenge of integrating recommendations within an integrated pest management system. 5th National IPM Symposium, St. Louis, MO, 4 April 2006.
12. **Hodgson, E. W.**, D. W. Ragsdale, B. P. McCornack, K. A. Koch, C. D. DiFonzo, M. Jewett, E. Cullen, H. Kraiss, M. O'Neal, and K. Johnson. Field validation of Speed Scouting for Soybean Aphid. 53rd Annual Entomological Society of America Meeting, Fort Lauderdale, FL, 18 December 2005.
11. **Hodgson, E. W.**, E. C. Burkness, D. W. Ragsdale, and W. D. Hutchison. Development of enumerative and binomial sampling plans for soybean aphid. Ph.D. Student Competition. 59th Annual North Central Branch Entomological Society of America Meeting, Kansas City, MO, 29 March 2004.
10. **Hodgson, E. W.**, R. C. Venette, and D. W. Ragsdale. Spring colonization and summer migration of the soybean aphid. Ph.D. Student Competition. 51st Annual Entomological Society of America Meeting, Cincinnati, OH, 27 October 2003.
9. **Hodgson, E. W.**, R. C. Venette, and D. W. Ragsdale. Summer alatae production of soybean aphid in Minnesota. Ph.D. Student Competition. 58th Annual North Central Branch Entomological Society of America Meeting, Madison, WI, 20 March 2003.
8. **Hodgson, E. W.**, I. V. MacRae, K. Ostlie, and D. W. Ragsdale. Comparing spatial and temporal distribution of soybean aphid. Ph.D. Student Competition. 50th Annual Entomological Society of America Meeting, Fort Lauderdale, FL, 18 November 2002.
7. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Within-field distribution of sunflower midge using GIS. M.S. Student Competition. 56th Annual North Central Branch Entomological Society of America Meeting, Fort Collins, CO, 26 March 2001.
6. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Within-field distribution of immature sunflower midge. 23rd Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 17 January 2001.

5. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Within-field distribution of sunflower midge using GIS. M.S. Student Paper Competition. 49th Annual Entomological Society of America Meeting, Montreal, Canada, 4 December 2000.
4. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Within-field distribution of sunflower midge using GIS. M.S. Student Competition. 56th Annual Entomological Society of Manitoba Meeting, Winnipeg, Manitoba, Canada, 20 October 2000.
3. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Spatial distribution of sunflower midge. Sigma Xi Student Competition, Fargo, ND, 5 November 2000.
2. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Spatial distribution of sunflower midge, *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae). 55th Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 27 March 2000.
1. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. Spatial distribution of sunflower midge, *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae). 22nd Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 18 January 2000.

#### **Contributed Posters**

35. **Hodgson, E. W.** Infographic: Timeline for soybean gall midge in North America. 67th Annual Entomological Society of America Meeting, St. Louis, MO, 19 November 2019.
34. Helton, M., G. VanNostrand, J. McMechan, and **E. W. Hodgson**. Insecticide efficacy evaluation for soybean gall midge. 67th Annual Entomological Society of America Meeting, St. Louis, MO, 18 November 2019.
33. Burger, D., J. Hohenstein, **E. W. Hodgson**, and M. O'Neal. Effect of interspersed refuge on *Aphis glycines* virulence and natural enemy communities. 74th Annual North Central Branch Entomological Society of America Meeting, Cincinnati, OH, 18 March 2019.
32. Weingarten, C. R., K. Fisher, **E. W. Hodgson**, and S. Bradbury. Evaluating monarch flight with a transmitter prototype. 74th Annual North Central Branch Entomological Society of America Meeting, Cincinnati, OH, 18 March 2019. \*Third place award
31. Menger, J., R. Koch, I. MacRae, J. Knodel, B. Potter, P. Glogoza, **E. Hodgson**, A. Varenhorst, A. Chirumamilla, and J. Gavloski. A diagnostic-concentration, glass-vial bioassay for the rapid monitoring of soybean aphid (*Aphis glycines*) susceptibility to pyrethroid insecticides. Undergraduate P-IE Student Competition. 66th Annual Entomological Society of America Meeting, Vancouver, BC, Canada, 12 November 2018.
31. Cira, T., Z. Marston, I. MacRae, **E. Hodgson**, and R. Koch. Remote sensing for soybean aphid. 66th Annual Entomological Society of America Meeting, Vancouver, BC, Canada, 13 November 2018.
30. **Hodgson, E. W.**, G. VanNostrand, and C. Ellers-Kirk. Residual efficacy evaluation for Sefina on soybean aphid. 73rd Annual North Central Branch Entomological Society of America Meeting, Madison, WI, 20 March 2018.

29. Weingarten, C. R., **E. W. Hodgson**, M. O'Neal and R. Jurenka. Bee-searching a solution: using an antifeedant to conserve bees. B.S. Student Competition. 73rd Annual North Central Branch Entomological Society of America Meeting, Madison, WI, 19 March 2018.
28. **Hodgson, E. W.**, and G. VanNostrand. Efficacy evaluation for soybean aphid in Iowa. Soybean Research Updates, Iowa Soybean Association Board of Directors Meeting, Ames, IA, 31 January 2018.
27. Hendriksma, H. P., A. St. Clair, G. Zhang, A. G. Dolezal, **E. W. Hodgson**, M. E. O'Neal, and A. Toth. A prairie hive companion: can prairies help honey bee colonies thrive in intensively cultivated landscapes? PI-E Pollinator Session. 65th Annual Entomological Society of America Meeting, Denver, CO, 8 November 2017.
26. Dean, A., S. Pritchard, M. O'Neal, and **E. Hodgson**. Optimizing yield environments and soybean genetics for soybean aphid management. PI-E Student Competition. 65th Annual Entomological Society of America Meeting, Denver, CO, 6 November 2017.
25. Clifton, E. H., S. T. Jaronski, B. S. Coates, **E. W. Hodgson**, and A. J. Gassmann. Effects of endophytic entomopathogenic fungi on soybean aphid. 50th Annual Society for Invertebrate Pathology Meeting, San Diego, CA, 13-17 August 2017.
24. Rodbell, E., **E. W. Hodgson**, M. Liebman, and M. E. O'Neal. Effect of crop rotation on the population growth rate of soybean aphid. M.S. Student Competition. 72nd Annual North Central Branch Entomological Society of America Meeting, Indianapolis, IN, 5 June 2017.
23. **Hodgson, E. W.**, M. E. O'Neal, and J. VanDyk. Using podcasts to promote research and extension. 63rd Annual Entomological Society of America Meeting, Minneapolis, MN, 17 November 2015.
22. Dunbar, M. W., A. Varenhorst, **E. W. Hodgson**, M. E. O'Neal, and A. J. Gassmann. True armyworm, rye cover, and no-till: an unfortunate combination in 2015. 63rd Annual Entomological Society of America Meeting, Minneapolis, MN, 17 November 2015.
21. Clifton, E. H., **E. W. Hodgson**, G. L. Tylka, and A. J. Gassmann. Managing two soybean pests to optimize yield. Ph.D. Student Competition. 70th Annual North Central Branch Entomological Society of America Meeting, Manhattan, KS, 1 June 2015. \*1st place award
20. **Hodgson, E.**, and G. VanNostrand. Soybean aphid management in Iowa. Poster Symposium on Closing the Yield Gap, Global Food Security Consortium, Iowa State University, Ames, IA, 29 April 2014.
19. **Hodgson, E.**, and G. VanNostrand. Soybean aphid management in Iowa. 69th Annual North Central Branch Entomological Society of America Meeting, Des Moines, IA, 10 March 2014.
18. **Hodgson, E.**, and G. VanNostrand. Soybean aphid management in Iowa. Monsanto Research Showcase at Iowa State University, Ames, IA, 13 January 2014.
17. Clifton, E. H., **E. W. Hodgson**, G. L. Tylka, and A. J. Gassmann. Determining pest and pesticide interactions as a means to optimize soybean yield. Ph.D. Student Competition. 61st Annual Entomological Society of America Meeting, Austin, TX, 12 November 2013.

16. Clifton, E., **E. W. Hodgson**, S. T. Jaronski, and A. J. Gassmann. Effects of organic and conventional agriculture on entomopathogenic fungi. Student Poster Competition. Iowa State University Graduate Program of Sustainable Agriculture Research Symposium, Ames, IA, 11 April 2012.  
\*Runner-up award
15. Jesse, L., A. Sisson, **E. W. Hodgson**, S. Parker, and F. Nutter. Preparing for the brown marmorated stink bug in Iowa. 7th International Integrated Pest Management Symposium, Memphis, TN, 28 March 2012.
14. Bruner, R. F., A. J. Gassmann, **E. W. Hodgson**, and M. E. O'Neal. Evaluating seasonal exposure to soybean aphid (Hemiptera: Aphididae) and yield to *Rag1* soybeans. 59th Annual Entomological Society of America Meeting, Reno, NV, 16 November 2011.
13. Clifton, E., **E. W. Hodgson**, S. T. Jaronski, and A. J. Gassmann. Effects of organic and conventional agriculture on entomopathogenic fungi. Student Poster Competition. 59th Annual Entomological Society of America Meeting, Reno, NV, 14 November 2011. \*First place award
12. **Hodgson, E. W.**, M. E. O'Neal, G. VanNostrand, and K. D. Johnson. Soybean aphid efficacy evaluation program. 66th Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 15 March 2011.
11. Clifton, E., **E. W. Hodgson**, S. Jaronski, and A. J. Gassmann. Comparison of entomopathogenic fungi in organic and conventional farms. 66th Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 15 March 2011.
10. Bruner, R. F., A. J. Gassmann, **E. W. Hodgson**, and M. E. O'Neal. Extension and research to facilitate the incorporation of soybean-aphid resistant varieties into Iowa crop production. 58th Annual Entomological Society of America Meeting, San Diego, CA, 13 December 2010.
9. **Hodgson, E. W.**, T. L. Pitts-Singer, and J. D. Barbour. Novaluron toxicity to immature alfalfa leafcutting bees. 94th Annual Pacific Branch Entomological Society of America Meeting, Boise, ID, 13 March 2010.
8. **Hodgson, E. W.**, T. L. Pitts-Singer, and J. D. Barbour. Novaluron toxicity to immature alfalfa leafcutting bees. 65th Annual North Central Branch Entomological Society of America Meeting, Louisville, KY, 16 March 2010.
7. **Hodgson, E. W.**, T. L. Pitts-Singer, and J. D. Barbour. Evaluating novaluron mortality of immature alfalfa leafcutting bees, *Megachile rotundata*. 2010 Winter Seed School Conference of Western Alfalfa Seed Growers Association, Las Vegas, NV, 17-19 January 2010.
6. Hirnyck, R., **E. W. Hodgson**, and C. Daniels. Workgroup with a geographic focus - a different way of doing business: The PNW Agriculture IPM Workgroup. 6th International Integrated Pest Management Symposium, Portland, OR, 24-25 March 2009.
5. **Hodgson, E. W.**, and C. Burfitt. Red fire bugs invade Salt Lake City, Utah. National CAPS (Cooperative Agricultural Pest Survey) Annual Meeting, Phoenix, AZ, 4-5 December 2008.

4. **Hodgson, E. W.** Billbug population dynamics in Utah Kentucky bluegrass. 55th Annual Entomological Society of America Meeting, San Diego, CA, 12 December 2007.
3. **Hodgson, E. W.**, E. C. Burkness, D. W. Ragsdale, and W. D. Hutchison. Speed Scouting for Soybean Aphid. Ph.D. Student Competition. 52nd Annual Entomological Society of America Meeting, Salt Lake City, UT, 15 December 2004.
2. **Hodgson, E. W.**, C. C. Casmeay, A. Helm, S. J. Weller, and D. W. Ragsdale. Genetic variation in native and introduced populations of soybean aphid. Ph.D. Student Competition. 57th Annual North Central Branch Entomological Society of America Meeting, East Lansing, MI, 26 March 2002.
1. **Hodgson, E. W.**, D. W. Ragsdale, and R. C. Venette. Within-field spatial and temporal distribution of soybean aphid. Ph.D. Student Competition. 49th Annual Entomological Society of America Meeting, San Diego, CA, 10 December 2001.

### **Other Departmental Papers**

16. **Hodgson, E. W.** #IPM: building resilient pest management crop systems. Department of Entomology, University of Nebraska-Lincoln, NE, 4 October 2019
15. **Hodgson, E. W.** It's a turducken: managing soybean aphid within a pest complex inside an agroecosystem. Department of Plant Sciences, South Dakota State University, Brookings, SD, 27 October 2014.
14. **Hodgson, E. W.** Promoting field crop IPM through research. Department of Entomology, Iowa State University, Ames, IA, 1 October 2012.
13. Lewis, D., L. Jesse, and **E. W. Hodgson.** Iowa's current and potential invasive insect species. Department of Entomology Brown Bag Lunch Series, Ames, IA, 15 February 2010.
12. **Hodgson, E. W.** Bee health and billbug research updates. Department of Plants, Soils and Climate, Utah State University, Logan, UT, 23 February 2009.
11. **Hodgson, E. W.** Protecting pollinators in alfalfa seed. Department of Entomology, Iowa State University, Ames, IA, 12 December 2008.
10. **Hodgson, E. W.** Vignettes in extension entomology. Department of Biology, Utah State University, Logan, UT. 2008.
9. **Hodgson, E. W.** Fight the bite!: preventing West Nile Virus. Department of Biology, Utah State University, Logan, UT. 2005.
8. **Hodgson, E. W.** Colonization patterns and sampling of the soybean aphid. Department of Biology, Utah State University, Logan, UT. 2005.
7. **Hodgson, E. W.** West Nile Virus: not just for the birds anymore. Department of Entomology, North Dakota State University, Fargo, ND. 2005.

6. **Hodgson, E. W.** Colonization and sampling of the soybean aphid. Department of Entomology, North Dakota State University, Fargo, ND. 2005.
5. **Hodgson, E. W.** West Nile Virus: it's not just for the birds anymore. Department of Entomology, North Dakota State University, Fargo, ND. 2005.
4. **Hodgson, E. W.** Population dynamics and sampling of the soybean aphid. Northern Grains Insect Research Laboratory, United States Department of Agriculture, Agricultural Research Services, Brookings, SD. 2005.
3. **Hodgson, E. W.** Population dynamics and sampling of the soybean aphid. Department of Entomology, University of Minnesota, St. Paul, MN, exiting seminar. 2005.
2. **Hodgson, E. W.** Within-field sampling, pathogens and genetics: a research proposal for soybean aphid. Department of Entomology, University of Minnesota, St. Paul, MN. 2002.
1. **Hodgson, E. W.** Spatio-temporal distribution of immature sunflower midge. Department of Entomology, North Dakota State University, Fargo, ND, exiting seminar. 2001.

## **SERVICE (10%)**

### **Professional Societies and Memberships**

- Member, Great Lakes Hops Working Group, 2016 – 2019
- Member, Iowa State University Pollinator Working Group, 2015 – present
- Gamma Sigma Delta - Iowa Beta Chapter, 2012 – present
- Member, NC246 (NC205 + NCCC46): Ecology and management of arthropods in corn, National Information Management and Support System, 2009 – present
- Member, S1080 (S1055, S1039): Biology, impact, and management of insect pests in soybean production systems, National Information Management and Support System, 2009 – present (Secretary 2011, President 2012)
- Member, North Central Extension Entomologists Working Group, 2009 – present
- Entomological Society of America, 1999 – present

### **Manuscript and Dossier Reviews**

#### **Subject Editor of Field Crops**

- Journal of Integrated Pest Management, Entomological Society of America (2010 – present)

#### **Department Editor of Musings**

- American Entomologist, Entomological Society of America (2019 – present)

#### **Peer-reviewed journal manuscripts (26 total)**

- Journal of Integrated Pest Management - 1 (2014), 1 (2018), 1 (2020)
- Journal of Economic Entomology - 5 (2005), 1 (2011), 1 (2012), 1 (2013), 2 (2014), 2 (2015)
- Environmental Entomology - 2 (2007), 1 (2013)
- Canadian Entomologist - 1 (2010)

Crop, Forage and Turfgrass Management - 1 (2010), 1 (2018)  
Journal of Pest Science - 2 (2011)  
Journal of Crop Improvement - 1 (2011)  
Annals of the Entomological Society of America - 1 (2014)  
Experimental Agriculture - 1 (2015)  
Plant Management Network - 1 (2016), 1 (2019)  
The Great Lakes Entomologist - 1 (2019)

### **Children's book reviews**

3. Book review, "B is for Bee: ABC's of Endangered Insects," published by Picture Window Books, Mankato, Minnesota (2016)
2. Book review, "What If There Were No More Bees? A Book About the Grassland Ecosystem," published by Picture Window Books, Mankato, Minnesota (2010)
1. Book review, "Do All Bugs Have Wings? And Other Questions Kids Have About Bugs," published by Picture Window Books, Mankato, Minnesota (2009)

### **External Reviewer of non-ISU Departments**

2016 – 1

### **External Reviewer of Promotion and Tenure Dossiers for non-ISU faculty**

2019 – 1; 2020 – 2

### **Animation review**

TED-Ed video about aphids, George Zaidan (<https://bit.ly/34PIQfy>) \*Over 1 million views!

### **Organizational Service**

#### **Departmental Service at Iowa State University**

8. Adviser, Entomology Graduate Student Organization, 2020 – present
7. Member, Post-Tenure Review Committee, 2019
6. Member, Interdepartmental (ENT, PPLM, GDCB) Committee for ATRB wall spaces, 2018 – 2019
5. Member, Department of Entomology Diversity Committee, 2017 – present
4. Member, Department of Entomology and Department of Natural Resource and Ecology Executive Committee, 2016 – 2019
3. Member, Advanced Teaching and Research Building Art Committee, 2015 – present
2. Organizer, Harold Gunderson Memorial Lecture, 2015 – present
1. Member and Editor, Entomology Department Newsletter Committee, 2009 – present

#### **College and University Service at Iowa State University**

38. Chair, ISU Extension Field Agronomist Search Committee, 2021
37. Member, I-Team Charter for Recovery Initiative (food supply, safety and access), 2020 – present
36. Co-leader, ISUEO Advancement Workshop for tenure/promotion, 2020 – 2022
35. Ad hoc Director, Agriculture & Natural Resources Extension (June 2020)
34. Member, ANR Extension Assistant Director Search Committee, 2020

33. Member, ISU Entomology, Plant Pathology and Microbiology Department Chair Search Committee, 2019-2020
32. Member, CALS/ISUEO Associate Dean for Extension and Outreach Search Committee, 2020
31. Judge, ISU Sigma Alpha Mr. CALS Competition, 2019
30. ANR Diversity and Inclusion project team, 2019
29. Editor, ANR Extension Field Crops Production Handbook, 2019-2020
28. Member, Department of Entomology and Department of Natural Resource and Ecology Assistant Professor Search Committee, 2018
27. Organizer and Moderator, Sustainable Hop Production Workshop, 2018
26. Chair, ISU Extension Field Agronomist Search Committee, 2018
25. Chair, ISU Extension Entomologist Specialist Search Committee, 2017
24. Chair, ISU Extension Entomologist Specialist Search Committee, 2017
23. Organizer and Moderator, ISU Extension and Outreach SCN and SBA Field Day, August 2017
22. Chair, ISU Extension Entomologist Specialist Search Committee, 2016
21. Judge, ISU Horticulture Research Retreat Student Paper Competition, November 2016
20. Ad-hoc Member, ANR Strategic Planning Committee, 2016
19. Member, ISU Extension Field Agronomist Search Committee, 2016
18. Ad-hoc Member, Grievance Committee for Sustainable Agriculture Program, 2015
17. Assistant Coach, ISU Women's Rugby Club, 2015 – 2016
16. Member, Sustainable Agriculture Coordinating Committee, 2015 – 2019
15. Member, ISU Extension and Outreach ANR Communications Search Committee, 2015
14. Coordinator and Judge, GPSA Student Poster Competition, 2015 – 2018
13. Member, Gamma Sigma Delta Award Committee, 2015 – 2019f
12. Chair, ISU Extension Field Agronomist Search Committee, 2014
11. Member, ISU Systems Agronomist Faculty Search Committee, 2014
10. Ad-hoc Member, Committee for UAV guidelines at ISU, November 2013 – 2016
9. Member, ISU Extension Field Agronomist Search Committee, 2013
8. Volunteer, Iowa State University Farm Progress Show, 2010, 2012, 2014, 2016, 2018
7. Member, ISU Extension Field Agronomist Search Committee, 2012
6. Organizer and Moderator, ISU Extension and Outreach Insect Field Day, August 2012
5. Ad-hoc Member, Iowa State University Agronomy Research Farm Committee, 2012 – present
4. Judge, ISU Crop Scouting Competition, July 2012, August 2013, August 2013, August 2014, August 2015, August 2016, August 2016 (regional), August 2017
3. Member, ISU Extension Crops Program Development and Delivery Executive Committee, 2010
2. Member, Iowa State University Extension Field Agronomist Training Committee, 2010, 2012, 2013
1. Member, Iowa State University Extension and Outreach Crops Team, 2009 – present

***Professional Societies, Working Groups and Grant Review Panels while at Iowa State University***

40. Chair, ESA Entomology SciCommAward, January 2021 – present
39. Co-Organizer and Moderator, NCB/SWB-ESA Symposium: Innovative extension, March 2021
38. Co-Organizer and Moderator, NCB/SWB-ESA Symposium: Pest migration in the US, March 2021
37. Co-Organizer and Moderator, ESA Extension Entomology Virtual Share Fair, November 2020
36. Reviewer, NCR-SARE Graduate Student Research Grant Application Committee, 2020
35. Member, ESA National Finance Committee, 2019-2022.
34. Reviewer, NCR-SARE Graduate Student Research Grant Application Committee, 2019
33. Participant, ESA Innovation Day Meeting, St. Louis, MO, 25-27 June 2019
32. Co-Organizer and Moderator, NCB-ESA Symposium: Emerging crop pests in the NCB, March 2019
31. Judge, ESA Annual Meeting B.S./M.S. Student Paper Competition, November 2018

30. Co-Organizer and Moderator, ESA Extension Entomology Share Fair, November 2018
29. Member, YouTube Your Entomology Contest Committee, March 2018 – present
28. Co-Organizer and Moderator, NCB-ESA Symposium: Insects and cover crops, March 2018
27. Co-Organizer and Moderator, NCB-ESA Extension Entomology Share Fair, March 2018
26. Judge, ESA Annual Meeting B.S./M.S. Student Paper Competition, November 2017
25. Co-Organizer, World Soybean Research Conference Symposium: Insect and Weed Resistance in Soybean, September 2017 [canceled due to Hurricane Irma]
24. Secretary/Treasurer, NCB-ESA Executive Committee, 2017-2020, 2020-2023.
23. Co-Organizer and Moderator, NCB-ESA Symposium: Resistance management, June 2017
22. Reviewer, University of Nebraska-Lincoln Departmental Review Panel, Fall 2016
21. Judge, NCB-ESA Annual Meeting B.S./M.S. Student Paper Competition, June 2016
20. Moderator, NCB-ESA Annual Meeting 10-Minute Paper Session, June 2016
19. Co-Organizer and Moderator, ESA Symposium: Seed treatments, November 2015
18. Judge, NCB-ESA Annual Meeting Ph.D. Student Paper Competition, June 2015
17. Co-Organizer and Moderator, NCB-ESA Symposium: Seed treatments, June 2015
16. Co-Organizer, IPM Symposium, 8th International IPM Symposium, Salt Lake City, Utah, 2015
15. Member, ESA Distinguished Achievement Award in Extension Committee, 2014 – 2016
14. Panel Member, ESA Young Professional Committee, Lunch & Learn Discussion, November 2013
13. Member, Iowa Pesticide Advisory Committee, 2013 – 2017
12. Chair, 2014 NCB-ESA Local Arrangements Committee, 2012 – 2014
11. Organizer and Moderator, NCB-ESA Symposium: Spider mite management, June 2013
10. Organizer, 2014 NCB-ESA Site Selection Committee, 2012
9. Organizer and Moderator, IPM Symposium: Insurance applications, March 2012
8. Judge, NCB-ESA Annual Meeting B.S./M.S. Student Paper Competition, March 2011
7. Member at Large, NCB-ESA Executive Committee, 2011 – 2014
6. Moderator, ESA Undergraduate Paper Competition, December 2010
5. Organizer and Moderator, ESA Symposium, December 2010
4. Member, NCB-ESA Student Competition/Awards Committee, 2011 – 2013 (Chair in 2013)
3. Judge, NCB-ESA Annual Meeting Ph.D. Student Paper Competition, March 2010
2. Judge, ESA Annual Meeting Ph.D. Student Paper Competition, December 2009
1. Member, ESA Exciting Undergraduates in Entomology Taskforce, 2009 – 2011

### **Utah State University**

23. Member, ISU Extension and Outreach Annual Conference Committee, 2014
22. Co-Organizer, Utah Pests In-Service Training, Provo, UT, 2008 – 2009; with M. Murray
21. Moderator, Submitted Paper Section, ESA Annual Meeting, November 2008
20. Member, Pacific Northwest Ag Integrated Pest Management Workgroup, 2008 – 2009
19. Judge, Pacific Branch ESA Ph.D. Student Paper Competition, March 2008
18. Member, 2010 Pacific Branch ESA Site Selection Committee, 2008
17. Co-Organizer, Utah Hay and Forage Symposium, St. George, UT, 2008 – 2009; with S. Gibbons at the Utah Farm Bureau Federation
16. Co-Organizer, Termite Workshop, Salt Lake City, UT, 2008; with C. James at the Utah Department of Food and Agriculture
15. Member, USU Extension Specialists Association, 2006 – 2009; Secretary/Treasurer, 2008 – 2009
14. Member, UPPDL Plant Disease Diagnostician Search Committee, 2007
13. Member, Utah Integrated Pest Management in Schools Coalition, 2007 – 2009
12. Coach, Women's Aggie Rugby Club, 2006–2009, and Academic Advisor, 2007 – 2009
11. Judge, Pacific Branch ESA Ph.D. Student Paper Competition, March 2007

10. Chair and Member, UPPDL Insect Diagnostician Search Committee, 2007
9. Reviewer, Utah IPM Mini-Grant Grant Proposal Review Committee, 2007 – 2008
8. Co-Organizer, Wood Destroying Insects Workshop, Brigham City, UT, 2007 – 2008; with R. Davis
7. Member, ESA Local Arrangements Committee, 2007
6. Member, Women and Gender Research Institute, 2006 – 2009
5. Member, Japanese Beetle Risk and Action Committee, UDAF, 2006 – 2009
4. Judge, Department of Biology Undergraduate Research Symposium, April 2006
3. Co-Organizer, Utah Hay and Forage Symposium, St. George, UT, 2006 – 2007; with T. Griggs with USU and A. Boyack with Utah Farm Bureau Federation
2. Member, UPPDL Integrated Pest Management Project Leader Search Committee, 2006
1. Member, Utah Cooperative Pest Agricultural Pest Survey Committee, 2006 – 2009

### **University of Minnesota**

11. Member, NCB-ESA National Awards Committee, 2005 – 2006
10. Organizer and Co-Moderator, NCB-ESA Symposium: I need a job!, March 2005
9. Member, Department of Entomology Faculty Recognition Award Committee, 2004 – 2005
8. Organizer, Bug Film Festival, St. Paul, MN, April 2004
7. Member, Food Processing and Structural Entomologist Search Committee, Department of Entomology, 2004
6. Member, NCB-ESA Student Affairs Committee, 2002 – 2004
5. Member, Public Relations Committee, Department of Entomology, 2002 – 2006
4. Judge, NCB-ESA Student Paper Competition, March 2002
3. Member, NCB-ESA Student Awards Committee, 2002 – 2003
2. Member, Linnaean Games, 2002 – 2004
1. Member, Frenatae Graduate Student Club, 2001 – 2005; Treasurer (2001), President (2002), Secretary (2003)

### **North Dakota State University**

9. Judge, Science Fair Competition, NDSU, Fargo, ND, March 2001
8. Moderator, Sunflower Research Workshop, January 2001
7. Student volunteer, ESA Joint Meeting, Montreal, Canada, December 2000
6. Member, R. L. Post Entomology Society, 1999 – 2001
5. Member, Entomology Graduate Student Club, 1999 – 2001; President (1999)
4. Member, Rho Lambda Honor Society, 1996 – 1998
3. Member, Order of Omega Honor Society, 1996 – 1998
2. Member, Women's Rugby Club, 1996–2001; Founder and President (1996 – 1998)
1. Member, Kappa Delta Sorority, 1995 – 1998

## **TEACHING (NO FORMAL APPOINTMENT)**

### **Mentorships**

#### **Summary of mentorships at Iowa State University**

<b>My Role and Degree Completed</b>	<b>2009-2013<sup>σ</sup></b>	<b>2014-2019<sup>Δ</sup></b>	<b>2020-2021<sup>Φ</sup></b>	<b>Current</b>
Mentor for B.S. degree	0	2		1
Advisor for M.S. degree	2	2 + 2 <sup>Φ</sup>		2 + 2 <sup>Φ</sup>
POS <sup>Ω</sup> Committee Member for M.S. degree	1	3		2
Advisor for Ph.D. degree	0	1		1
POS <sup>Ω</sup> Committee Member for Ph.D. degree	1	3		3

$\sigma$  = includes activity as an assistant professor at Iowa State University;  $\Delta$  = includes activity as an associate professor at ISU;  $\Phi$  = includes activity as a professor at ISU;  $\Omega$  = Program of Study Committee Member; and <sup>Φ</sup> is via the ISU M.S. Agronomy Distance Program.  $\Phi$

#### **Post-Doctoral Associates at Iowa State University**

3. Jessica Hohenstein, Department of Entomology Post-Doctoral Assistantship (2018 – 2020)
2. Adam Varenhorst, Department of Entomology Post-Doctoral Assistantship (2014 – 2015)
1. Thelma Heidel-Baker, Department of Entomology Post-Doctoral Assistantship (2013 – 2015)

#### **Graduate and Undergraduate Students at Iowa State University**

30. Benjamin Kolbe, Advisor for M.S. Degree, Department of Entomology (2021 – present)
29. Vilma Montenegro, University of Nebraska-Lincoln Department of Entomology Program of Study Committee Member for M.S. Degree (2020– present)
28. Rebekah Arnold, Co-Advisor for M.S. Degree, Department of Agronomy (2019 – present)
27. John McCulloch, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2019 – present)
26. Mitchell Helton, Advisor for M.S. Degree, Department of Entomology (2019 – present)
25. Lauren Botine, Co-Advisor for M.S. Degree, Department of Agronomy (2019 – present)
24. Derek Burger, Department of Biology, mentor for research projects (2018 – 2019)
23. Ashly Senske, Department of Horticulture Program of Study Committee Member for M.S. Degree (2018 – 2020). Thesis: Optimization of N fertilization for hops (*Humulus lupulus*) in Iowa soils
22. Ivair Valmorbida, Co-Advisor for Ph.D. Degree, Department of Entomology (2018 – present)
21. Ashley Dean, Co-Advisor for M.S. Degree, Department of Entomology (2017 – 2019). Thesis: What are the consequences of resistance? Exploring the impacts of insecticide and host-plant resistance for insect pest management (December 2019)
20. Hayley Nelson, Department of Plant Pathology and Microbiology Program of Study Committee Member for M.S. Degree (2017 – 2019). Thesis: Disease and insect pest management in organic cucurbit production
19. Ashley St. Clair, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2016 – 2019). Dissertation: A life in a green desert: wild and managed bee response to soybean agriculture (December 2019)

18. Erika Rodbell, Co-Advisor for M.S. Degree, Department of Entomology (2016 – 2019). Thesis: Impact of host plant health and host plant resistance on *Aphis glycines* (May 2019)
17. Scott Schoper, Co-Advisor for M.S. Degree, Department of Agronomy (2015 – present)
16. Coy St. Clair, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2015 – 2019). Dissertation: "Understanding the impact of management strategies and relevant spatial scales on western corn rootworm resistance to Cry3Bb1 in Iowa." (December 2019)
15. Shelby Pritchard, Department of Entomology Program of Study Committee Member for M.S. Degree (2015 – 2017). Thesis: Impact of soybean trichomes on *Aphis glycines* and their interaction with natural enemy abundance and predation (May 2017)
14. Jerry Mendenhall, Co-Advisor for M.S. Degree, Department of Agronomy (2014 – 2017). Creative component: A biological approach to pest control in greenhouses (July 2017)
13. Dustin Brucker, Co-Advisor for M.S. Degree, Seed Technology and Business (2014 – 2016). Creative component: Dicamba tolerance: an emerging herbicide tolerant GM trait in corn and the challenging path to market (March 2016)
12. Eric Clifton, Co-Advisor for Ph.D. Degree, Department of Entomology (2013 – 2017). Dissertation: Preventive pest management of soybean aphid and soybean cyst nematode: host plant resistance, entomopathogens, and seed-applied pesticides (July 2017)
11. Cody Schveiger, Department of Natural Resources, Ecology and Management, mentor for Environmental Science Apprenticeship, EnSci 391 (2013)
10. Joe Wheelock, Department of Entomology Program of Study Committee Member for M.S. Degree (2013 – 2014). Thesis: Insect pollinators in corn and soybean agricultural fields.
9. Tyler Stahllman, Department of Horticulture, mentor for Environmental Science Apprenticeship, Ent 490 (2013 – 2014)
8. Cody Kuntz, Department of Entomology Program of Study Committee Member for M.S. Degree (2011 – 2014). Thesis: Investigating effects of surrounding landscape diversity and composition on populations of two polyphagous insect pest groups in Iowa soybean (August 2014)
7. Mike Dunbar, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2011 – 2016). Dissertation: Effects of diversity on beneficial and pest arthropods (March 2016)
6. Adam Varenhorst, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2011 – 2014). Dissertation: Beyond biotypes: *Aphis glycines* (Hemiptera: Aphididae) biology and the durability of aphid-resistant soybean (May 2014)
5. Eric Clifton, Co-Advisor for M.S. Degree, Department of Entomology (2011-2013). Thesis: Impacts of conventional and organic agriculture on soil-borne entomopathogenic fungi (June 2013)
4. Michael McCarville, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2010 – 2014). Dissertation: Integrating soybean aphid and soybean cyst nematode management (March 2014)
3. Robert Bruner, Co-Advisor for M.S. Degree, Department of Entomology (2010 – 2012). Thesis: The performance of *Rag1* soybeans and their effects on the soybean herbivores (June 2012)
2. Rachel Binning, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2010 – 2013). Dissertation: Fall armyworm *Spodoptera frugiperda* and black cutworm *Agrotis ipsilon* susceptibility and avoidance to Bt maize, and implications for global insect resistance management (June 2013)
1. Renee Hassel, Department of Entomology Program of Study Committee Member for M.S. Degree (2010 – 2013). Thesis: Classical and conservation biological control of pest insects within prairie and crop systems (December 2013)

**Summary of activity after graduation for advised post-doctoral associates and graduate students**

<b>Name</b>	<b>Degree</b>	<b>Year</b>	<b>Activity after graduation</b>
Ashley Dean	M.S.	2019	ISU Extension Program Specialist
Erika Rodbell	M.S.	2019	Ph.D. student, Montana State University
Eric Clifton	Ph.D.	2017	Post-doctoral associate, Cornell University
Adam Varenhorst	Post-doc	2015	Assistant Professor and Extension Entomologist, South Dakota State University
Thelma Heidel-Baker	Post-doc	2015	Conservation Biocontrol Specialist, Xerces Society
Eric Clifton	M.S.	2013	Continued at ISU with a Ph.D.
Robert Bruner	M.S.	2012	Extension Educator, Purdue Extension

**Summary of instructor activities at Iowa State University**

<b>Semester/Year</b>	<b>Course # (credits)</b>	<b>Course Title</b>	<b>Enrollment</b>	<b>% Responsible</b>
Summer 2021	PLPM/ENT/HORT/AGRON 581x	Experience in Plant Science Extension and Outreach	xx	xx
Summer 2019	PLPM/ENT/HORT/AGRON 581x	Experience in Plant Science Extension and Outreach	11	15
Spring 2019	PLPM/ENT/HORT 511 (3)	Tropical Agriculture <sup>£</sup>	20	25
Spring 2019	ENT 590 (1)	Special Topics: Extension	1	100
Summer 2018	University of Costa Rica student exchange <sup>Ω</sup>		16	25
Fall 2017	ENT 590 (1)	Special Topics: Extension	1	100
Spring 2017	PLPM/ENT/HORT 511 (3)	Tropical Agriculture	17	5
Summer 2016	University of Costa Rica student exchange <sup>Ω</sup>		18	25
Spring 2015	PLPM/ENT/HORT 511 (3)	Tropical Agriculture	21	10
Spring 2014	ENT 590 (1)	Special Topics: Extension	1	100
Fall 2013	ENT 590 (1)	Special Topics: Extension	1	100
Spring 2013	ENT 590 (1)	Special Topics: Extension	1	100

<sup>£</sup> = Instructors of the Tropical Agriculture class take 16-25 students for 8-10 days to learn about crop production and protection in Costa Rica; and <sup>Ω</sup> = Instructors of the Tropical Agriculture class host 16-20 agronomy students for 8-12 days to learn about agriculture in Iowa and United States.

### ***Undergraduates and High School Students***

3. Chloe Weingarten, Mayo High School, Rochester, MN; Advisor for pollinator projects (2017 – 2019)
2. Paul Bingham, Department of Biology, Utah State University; Advisor for Undergraduate Research Symposium Poster: Defining life history information for billbugs (Coleoptera: Curculionidae) in northern Utah (March 2009)
1. Melody Rose Anderson, Department of Biology, Utah State University; Committee Member for Undergraduate Biology Honors Thesis: Enhanced biological control of the cereal leaf beetle (Spring 2007)

### ***Mentor for Brazilian Student Internships at Iowa State University***

3. Julia Guimaraes Bevilaqua, April – October 2019
2. Dionei Muraro, August –December 2018
1. Ivair Valmorbida, May – August 2015

### **Guest Lectures**

10. Field Exploration of Agronomy (AGRON 279), Iowa State University. "Agronomy in the field: understanding insect ID, injury and management practices."  
- 14 August 2017 to 11 students; 14 August 2018 to 45 students; 13 August 2019 to 38 students, 10 August to 23 students
9. Systems Analysis in Crop and Soil Management (AGRON 392), Iowa State University. "Corn rootworm management decisions."  
- 26 September 2012 to 23 students; 20 February 2013 to 40 students
8. Organic Agriculture: Theory and Practice (SUSTAG 484/584), Iowa State University. "Insect identification, sampling and organic management."  
-3 April 2012 to 35 students; 30 September 2014 to 45 students
7. Workshop in Agronomy (AGRON 594), Iowa State University. Field day experience, "Insect sampling techniques and making management decisions."  
- 21 July 2011 to 10 students; 24 July 2012 to 24 students; 23 July 2013 to 21 students; 23 July 2014 to 22 students; 22 July 2015 to 25 students; 28 July 2016 to 35 students; 26 July 2017 to 25 students, virtually to 28 students July 2020
6. The GradSchool Channel: Navigating Graduate School and Career Development (ENTOM 930), Kansas State University. One open panel discussion, "Extension entomology as a career," on 6 April 2010 to 15 students.
5. Current Trends in Health Promotion (HEP 6100), Utah State University. One lecture, "Introduction to GMO's," on 4 November 2008 to 18 students.
4. Fundamentals of Organic Agriculture (PSC 2800), Utah State University. Two lectures, "Basic entomology," and "Examples of IPM," on 9 and 11 April 2008 to 25 students.
3. Graduate Seminar (PSB 6890), Utah State University. One lecture, "What is extension and developing an extension program," on 18 September 2006 to 30 students.
2. Pests and Crop Protection (AGRI 3001), University of Minnesota. One lecture, "Insect digestion, excretion and respiration," on 16 January 2004 to 18 students.
1. Humans and Insects (ENT 210), North Dakota State University. March 2001.

## **Graduate Teaching Assistantships**

5. Graduate Research Assistant (June 2001 – May 2005)  
University of Minnesota, St. Paul, MN, Department of Entomology
4. Graduate Research Assistant (January 1999 – May 2001)  
North Dakota State University, Fargo, ND, Department of Entomology
3. Graduate Teaching Assistant (Spring 2006)  
Pests and Crop Protection (AGRI 3001), Department of Entomology, University of Minnesota
2. Graduate Teaching Assistant (Fall 2003)  
Insect Structure and Function (ENT 5011), Department of Entomology, University of Minnesota
1. Graduate Teaching Assistant (Fall 1999 and Fall 2001)  
General Entomology (ENT 310), Department of Entomology, North Dakota State University

## **OUTREACH (NO FORMAL APPOINTMENT)**

### ***Iowa State University***

22. CALS #MaskUp promotion, 21 August 2020
21. ISU Alumni Night Zoo Brew, Blank Park Zoo, 5 June 2019
20. Daisy Girl Scout Troop at the Downtown School in Des Moines, 27 September 2017
19. Iowa State University Extension and Outreach CyCamp, 20 August 2015
18. Iowa State University Pollinator Fest, 2015 – present
17. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 13 December 2013 (2 sessions)
16. Basics of insect ID and creating a project. Rochester 4H Club, Rochester, MN. 12 May 2013
15. Life of a bug. ISU Southeast Research Farm, Crawfordsville, IA, 6 September 2012
14. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 17 January 2012
13. Crop Scouting Competition, Field Extension Education Laboratory, Ames, IA, 2011 – present
12. Insect Zoo, Aldrich Memorial Nursery School, Rochester, MN, 17 June 2011
11. All about corn! Downtown School, Des Moines, IA, 28 February 2011
10. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 7 February 2011
9. Insect Zoo, VEISHEA, Iowa State University, Ames, IA, 16 April 2010
8. Insect Zoo, Aldrich Memorial Nursery School, Rochester, MN, 5 October 2009
7. CSI: Crops 4-H Field Day. Field Extension Education Laboratory, Ames, IA, 1 July 2009
6. Insect Zoo, Odyssey of the Minds at Iowa State University, Ames, IA, 29 May 2009
5. Butterflies. Earthfairies Children's Group, Logan, UT, 4 September 2007
4. Insect ID and making a collection. Ephraim Canyon, Sanpete County 4-H Camp, UT, 21 July 2007
3. Introduction to insects. Hardware Ranch, Cache County 4-H Camp, UT, 6 July 2007
2. Bugs in your life. Beaver, Beaver County 4-H Camp, UT, 27 June 2007
1. Bug basics. Lehi Cub Scouts Pack 1003, Lehi, UT, 23 May 2007

### ***Utah State University***

6. Entomology Careers, Gregory Mann, River Heights, UT, November 2008
5. Spreading the Word About Insects with Collecting Kits, USU Cooperative Extension All-Conference Meeting, Logan, UT, March 2007
4. Insect Collection, Renaissance Kids Art Academy, South Jordan, UT, March 2007
3. Photo Essay and Life Science Project, Caitlin Fellows, "Japanese Beetle," Wasatch Junior High School, Salt Lake City, UT, October 2006
2. USU Diversity Carnival, Logan, UT, November 2006
1. Curating insects, USU Master Gardener Program, Salt Lake City, UT, August 2006

**University of Minnesota**

4. Girl Scouts Camp, Science Day, Red Wing, MN, August 2003
3. Big Bugs Event, Landscape Arboretum, MN, May 2003
2. Minnesota State Fair, St. Paul, MN, August 2002, August 2003
1. ScienceFest, Minneapolis, MN, 2002 – 2005

**North Dakota State University**

9. Not-so-Scary Haunted House, Fargo, ND, October 2000
8. Eco Ed Camp, Lake Ashtabula, ND, August 2000
7. ND Science Teacher Conference, Bismarck, ND, March 2000
6. Fargo classroom insect presentations, 1999 – 2000
5. NDSU Organizational Fair, Fargo, ND, 1999 – 2000
4. Celebration of Nations, Moorhead, MN, 1999 – 2000
3. Hot Zone Event, Fargo, ND, 1999 – 2001
2. Expanding Horizons, Fargo, ND, 1999 – 2001
1. Marketplace for Kids, Fargo, ND, 1999 – 2001