

# **CURRICULUM VITAE**

**for**

**Erin W. Hodgson**

Department of Entomology  
Iowa State University

1 August 2014

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## **Education**

**Ph.D. Entomology** (2005), University of Minnesota, St. Paul, MN  
June 2001 – May 2005, GPA 3.55/4.0. 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, GPA: 3.65/4.0. 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, GPA: 2.93/4.0

## **Work Experience**

**Associate Professor** (July 2013 – present); Extension (70%), Research (30%)  
Iowa State University, Ames, IA, Department of Entomology

- Extension Entomology Specialist, ISU Extension and Outreach
- Supervisor of Research Associate, Greg VanNostrand (2010–present)
- Crops Team Plan of Work Leader (2013–present)

**Assistant Professor** (May 2009 – June 2013); Extension (70%), Research (30%)  
Iowa State University, Ames, IA, Department of Entomology

- 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
- Supervisor of Insect Diagnostician, Ryan Davis (2007–2009)

**Post-Doctoral Associate** (June 2005 – February 2006), Mentor: David Ragsdale  
University of Minnesota, St. Paul, MN, Department of Entomology  
*Research:* Soybean aphid biology and population dynamics; refining and validating the economic threshold and the use of *Speed Scouting* in commercial soybean throughout the U.S.; and comparing the efficacy of insecticide (foliar and systemic) and fungicide treatments to reduce soybean aphid populations

**Graduate Research Assistant** (June 2001 – May 2005)  
University of Minnesota, St. Paul, MN, Department of Entomology

**Graduate Research Assistant** (January 1999 – May 2001)

North Dakota State University, Fargo, ND, Department of Entomology

**Awards**

**Iowa State University**

12. Editor's Choice Award, Journal of Soil and Water Conservation (11 ISU faculty, including **Erin Hodgson**), April 2014
11. ESA YouTube Your Entomology Contest: [Join the resistance!](#) (Thelma Heidel-Baker, Cable Hardin and **Erin Hodgson**), November 2013
10. NCB-ESA Educational Project Award: Field Guide, Soybean aphid management, 2<sup>nd</sup> edition (**Erin Hodgson**, Matt O'Neal, Adam Sisson, and David Wright), June 2012
9. NCB-ESA Educational Project Award: Bulletin, Field crop insects management compendium (**Erin Hodgson**, Adam Sisson, Daren Mueller, and David Wright), June 2012
8. ESA YouTube Your Entomology Contest: [Japanese beetle](#) management in corn and soybean. (**Erin Hodgson**), November 2011
7. ESA YouTube Your Entomology Contest: [SoyPod DSS](#). (Brian McCornack, **Erin Hodgson**, and Wendy Johnson), November 2011
6. Iowa State University Extension and Outreach Team Achievement Award (Brent Pringnitz and 27 others including **Erin 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 (**Erin Hodgson**), December 2010
3. American Soybean Association Crop Adviser Institute Module Award, Alfalfa Insect Pests. Alan Ciha, Stephen Barnhart, and **Erin Hodgson**, Iowa State University, November 2010
2. Entomological Foundation Integrated Pest Management Award: Soybean Aphid IPM Team (David Ragsdale and 38 others, including **Erin Hodgson**), December 2009
1. ESA YouTube Your Entomology Contest: [Chloe's monarch adventure](#) (**Erin Hodgson** and Brent 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, M. Murray, R. Davis, and **Erin Hodgson**), Utah State University Extension, August 2009
1. Extension Vice President's Team Award for Excellence; Utah Plant Pest Diagnostic Lab (D. Alston, K. Evans, **Erin Hodgson**, M. Murray, J. Jenkins, and A. Roe), March 2007

**University of Minnesota**

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

## **North Dakota State University**

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

## **EXTENSION (70%)**

### **Extension-Related Grants and Other Funding**

TOTAL FUNDED TO DATE: \$926,676 [\$745,770 – reflects my effort]

TOTAL FUNDED AT ISU: \$264,367 [\$198,079 – reflects my effort]

### **Funded**

17. "Corn Rootworm Management Education in the Transgenic Era," North Central Regional Integrated Pest Management Grant, 2013-2014 (\$23,600) [\$4,000]; Co-PI's: R. Wright, M. Gray, E. Hodgson, and A. Szczepaniec
16. "Improving Soybean Insect Management," Iowa Soybean Association, 2012–2015 (\$110,052); PI: Erin Hodgson
15. "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: Erin Hodgson. 2010: \$30,000; 2011: \$23,375, 2012: \$20,000; 2013: \$20,000
14. "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: Erin Hodgson
13. "Infrastructure Project," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2009 (\$114,306) ~\$35,000 supported my salary and benefits
12. "Imported Fire Ants," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2009 (\$17,465 [8,730]); Co-PI with J. Pitts
11. "Utah Plant Pest Diagnostic Laboratory," Utah State Legislature On-Going Funding, 2008-2009 (\$100,000 [50,000]); Co-PI with K. Evans
10. "Organic Golf Course Management in Utah," U.S. EPA, Pesticide Environmental Stewardship Program Regional Grant, EPA-OPP-08-001, 2008-2010 (\$50,500 [33,660]); Co-PI with P. Johnson; subcontracting with P. Parker, Center for Resource Management
9. "Imported Fire Ants," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2008 (\$17,046 [8,523]); Co-PI with J. Pitts

8. "Infrastructure Project," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2008 (\$114,306) ~\$33,000 supported my salary and benefits
7. "Silver Y Moth and Egyptian Cottonworm," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2008 (\$14,805)
6. "Core Project," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2007 (\$97,412) ~\$31,000 supported my salary and benefits
5. "Silver Y Moth and Egyptian Cottonworm," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2007 (\$12,273)
4. "Imported Fire Ants," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Survey, 2007 (\$15,018 [7,509]); Co-PI with J. Pitts
3. "Silver Y Moth and Egyptian Cottonworm," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey, 2006 (\$10,335 [5,167]); Co-PI with J. Karren
2. "Core Project," USDA-APHIS-PPQ, Cooperative Agriculture Pest Survey Program, 2006 (\$97,843 [80,000]); Co-PI with D. Alston. ~\$29,000 supports my salary and benefits
1. "Evaluating Speed Scouting for Soybean Aphid in Minnesota," Minnesota Crop Production Research Foundation, Inc., 2005 (\$1,000); Co-PI with D. Ragsdale

**Funded insecticide efficacy evaluations, 2009-2014:** \$313,500

<b>Industry Sponsor</b>	<b>Target Species</b>	<b>Amount</b>	<b>Year</b>
BASF	<i>Soybean aphid</i>	\$3,000	2011
		\$3,000	2012
		\$3,000	2013
Bayer CropScience	<i>Soybean aphid</i>	\$10,500	2010
		\$11,000	2011
		\$3,000	2012
		\$2,000	2013
	<i>Caterpillars in corn</i>	\$12,000	2014
Cheminova	<i>Soybean aphid</i>	\$4,500	2010
		\$4,000	2011
		\$3,500	2012
		\$4,000	2013
		\$1,500	2014
Chemtura	<i>Japanese beetle</i>	\$6,000	2014

<b>Industry Sponsor</b>	<b>Target Species</b>	<b>Amount</b>	<b>Year</b>
Dow AgroSciences	<i>Soybean aphid</i>	\$1,500	2011
	<i>Aphids in corn</i>	\$8,500	2011
		\$18,000	2012
		\$7,000	2013
	<i>Japanese beetle</i>	\$6,000	2013
Dupont	<i>Bean leaf beetle</i>	\$8,000	2009
		\$9,000	2010
		\$12,000	2011
		\$13,000	2012
		\$10,500	2013
	<i>Soybean aphid</i>	\$5,500	2010
		\$1,500	2011
		\$2,000	2012
		\$2,000	2014
	<i>Lepidoptera</i>	\$5,000	2010
\$6,000		2011	
\$7,500		2012	
FMC Corporation	<i>Soybean aphid</i>	\$2,000	2010
		\$1,500	2011
		\$3,000	2013
Gowan Company	<i>Soybean aphid</i>	\$9,000	2011
		\$3,000	2012
		\$2,800	2013
Grain Processing Company	<i>Japanese beetle</i>	\$15,000	2012
Nichino America, Inc.	<i>Soybean aphid</i>	\$6,000	2011
		\$6,000	2012
		\$6,000	2013
Syngenta	<i>Soybean aphid</i>	\$5,000	2011
		\$8,500	2012
		\$7,500	2013
		\$6,500	2014
	<i>Japanese beetle</i>	\$20,000	2013
		\$7,500	2014
Valent U.S.A. Corporation	<i>Soybean aphid</i>	\$10,500	2010
		\$3,500	2012
		\$3,000	2013

**Summary of extension publications, popular press interviews, and social media contributions.**

Type of Media	06-09 <sup>a</sup>	2009	2010	2011	2012	2013	2014	Total
Books	1	0	0	0	0	0	0	1
Refereed Publications	0	0	0	1	3	1	0	5
Proceedings	0	3	1	3	2	2	1	12
Newsletter, Advisory Articles	8	21	15	9	7	3	9	72
Fact Sheets, Other	39	2	3	14	21	13	0	92
Radio, Newspaper, TV	16	19	6	15	16	18	25	105
Podcast, Blogs	0	11	16	55	41	20	9	152

<sup>a</sup> = includes activity at Utah State University from May 2006 through March 2009.

**Book**

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

**Refereed Publications**

5. 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.
4. 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.
3. **Hodgson, E. W.**, M. Kemis, and B. Geisinger. 2012. Assessment of Iowa soybean growers for insect pest management practices. Journal of Extension RIB6.
2. **Hodgson, E. W.**, B. P. McCornack, K. J. Tilmon, and J. Knodel. 2012. [Management of the soybean aphid, \*Aphis glycines\* \(Hemiptera: Aphididae\) in the United States.](#) Journal of Integrated Pest Management. DOI: 10.1603/IPM11019.
1. 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.

**Other Extension Publications**

**Extension Proceedings**

17. **Hodgson, E. W.** 2014. 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.



16. **Hodgson, E. W.** 2013. 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.*
15. **Hodgson, E. W.**, and A. Gassmann. 2013. Corn rootworm management update and recommendations, pp. 4-5. *In Proceedings: Iowa State University Crop Advantage Series, Ames, IA, January 2013.*
14. **Hodgson, E. W.**, and M. McCarville. 2012. 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.*
13. **Hodgson, E. W.** 2012. Update on corn rootworm resistance and soybean aphid, p. 11. *In Proceedings: Iowa State University Crop Advantage Series, Ames, IA, January 2012.*
12. **Hodgson, E. W.**, C. Kuntz, M. E. O'Neal, and G. VanNostrand. 2011. 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. 2011. 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.** 2011. 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. 2010. 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. 2010. Evaluating novaluron mortality of immature alfalfa leafcutting bees, *Megachile rotundata*, 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.** 2010. 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. 2009. 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. 2009. 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. 2006. 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. 2001. Within-field distribution of sunflower midge using GIS, pp. 10-13. *In Proceedings: 23<sup>rd</sup> Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 17-18 January 2001.*
2. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2000. Spatial distribution of sunflower midge *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae), pp. 26-30. *In Proceedings: 11<sup>th</sup> Annual Great Plains Sunflower Insect Workshop, Fargo, ND, 13-14 April 2000.*
1. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2000. Spatial distribution of sunflower midge *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae), pp. 10-13. *In Proceedings: 22<sup>nd</sup> Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 18-19 January 2000.*

### **Extension Field Guides, Yellow Books, and Other Publications**

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

31. **Hodgson, E. W.**, and G. VanNostrand. 2014. Evaluation of insecticides for control of soybean aphid, 2013. Entomological Society of America Arthropod Management Tests.
30. **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.
29. 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.
28. **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.
27. 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).
26. **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.
25. **Hodgson, E.**, and A. Gassmann. 2012. Sustainable corn rootworm management in Iowa, 2 pp. Department of Entomology, Iowa State University, Publication 290-12.
24. 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.

23. Sisson, A., D., Mueller, A. Robertson, **E. Hodgson**, K. Schaefer, M. Licht, and C. McGrath. 2012. Scouting cards. Iowa State University Extension and Outreach Publications:
  - Early season corn scouting, CSI 0017
  - Mid-season corn scouting, CSI 0018
  - Late season corn scouting, CSI 0019
  - Early season soybean scouting, CSI 006
  - Mid-season soybean scouting, CSI 007
  - Late season soybean scouting, CSI 008
  
22. 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.
  
21. **Hodgson, E. W.**, D. Mueller, and A. Sisson. 2012. [Field crop insects](#), 74 pp. Iowa State University Extension Publication CSI 0014.
  
20. 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.
  
19. **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.
  
18. **Hodgson, E. W.**, and G. VanNostrand. 2011. Evaluation of insecticides for control of soybean aphid, 2009. Entomological Society of America Arthropod Management Tests: 36: F87. doi: 10.4182/amt.2011.F87.
  
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](#), 2<sup>nd</sup> ed., 54 pp. Corn and Soybean Initiative, 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, 2<sup>nd</sup> ed. Corn and Soybean Initiative, 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. Corn and Soybean Initiative, 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 total)

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/chapters/ragsdalesoya.htm>.
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*

### **Advisory Publications, Newsletter Articles, and Fact Sheets**

TOTAL PUBLISHED TO DATE: 161

TOTAL PUBLISHED AT ISU: 100

**Iowa State University** (to access all articles, visit [www.extension.iastate.edu/CropNews](http://www.extension.iastate.edu/CropNews))

161. **Hodgson, E.** 2014. "Soybean aphid numbers on the rise." *In* Integrated Crop Management News. 4 August 2014.
160. **Hodgson, E.** 2014. "Grasshopper activity observed." *In* Integrated Crop Management News. 11 July 2014.
159. **Hodgson, E.** 2014. "Japanese beetles emerge in Iowa." *In* Integrated Crop Management News. 13 June 2014.
158. **Hodgson, E.** 2014. "Corn rootworm egg hatch is underway in 2014." *In* Integrated Crop Management News. 4 June 2014.
157. **Hodgson, E.** 2014. "Managing potato leafhoppers in alfalfa." *In* Integrated Crop Management News. 2 June 2014.
156. **Hodgson, E.,** and A. Sisson. 2014. "Stalk borers are migrating to corn." *In* Integrated Crop Management News. 30 May 2014.
155. Sisson, A., L. Jesse, and **E. Hodgson.** 2014. "Black cutworm scouting 2014." *In* Integrated Crop Management News. 16 May 2014.
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6. **Hodgson, E. W.** 2007. Utah Pests fact sheet: White grubs, 3 pp. ENT-104-07.
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#### **Trade Magazine Articles**

6. Holmes, J., and **E. Hodgson**. 2011. Watch for midsummer insects. *In* Soybean Source, Wallaces Farmer Magazine, p. 40. July 2011.
5. **Hodgson, E. W.** 2009. "Cankerworms can inch away your profits." *In* American Nurseryman, pp. 8-11. 1 February 2009
4. **Hodgson, E. W.**, and C. Burfitt. 2009. "Critter of concern: Red fire bug." *In* Horticultural Inspection Society Newsletter, Western Chapter, p. 8. Winter 2009.
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## **Extension Presentations**

### **Summary of extension presentations and resulting contacts.**

<b>Type of Presentation</b>	<b>06-09<sup>a</sup></b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
National or Regional	4	0	0	5	4	3	1	17
In-service Training	6	2	0	1	2	1	0	12
Field and Forage Crops, Other	41	5	5	10	10	15	5	91
Field Day Demonstrations	1	13	2	6	11	9	16	32
Youth/4-H	5	1	0	2	1	1	0	42
Number of Contacts	4,450	1,190	2,063	2,575	2,968	3,877	1,484	18,607

<sup>a</sup> = includes activity at Utah State University from May 2006 through March 2009.

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

TOTAL PRESENTATIONS TO DATE: 20 (1,380 contacts)

TOTAL PRESENTATIONS AT ISU: 15 (1,367 contacts)

20. **Hodgson, E. W.**, D. Mueller, and L. Jesse. 2014. 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.** 2013. 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. 2013. Corn rootworm management challenges and recommendations. Albert Lee Seed House Open House, Albert Lea, MN [135 people] 21 November 2013
17. **Hodgson, E. W.** 2013. 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.** 2012. 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.** 2012. 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. 2012. Corn rootworm resistance update and management recommendations. AgReliant Genetics Regional Meeting, Sioux Falls, SD. [110 people] 8 March 2012
13. **Hodgson, E. W.**, and A. Gassmann. 2012. Corn rootworm resistance update and management recommendations. Gromark Advanced Agronomy Day, Bloomington, IL. [250 people] 30 January 2012
12. **Hodgson, E. W.**, M. O'Neal, M. McCarville, and G. VanNostrand. 2011. 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. 2011. 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. 2011. Soybean aphid management for organic production. Albert Lee Seed House Open House, Albert Lea, MN [45 people] 18 November 2011
9. **Hodgson, E. W.** 2011. 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.** 2011. 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.** 2010. 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.** 2009. 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.** 2008. Insects in the Utah landscape. Tri-River Area Commercials Pesticide Applicator Workshop, Grand Junction, CO. [80 people] 14 February 2008
4. **Hodgson, E. W.** 2008. Japanese beetle update from Utah. Tri-River Area Commercials Pesticide Applicator Workshop, Grand Junction, CO. [80 people] 14 February 2008
3. **Hodgson, E. W.** 2008. Mosquito biology and control. Franklin County Mosquito Abatement Committee, Preston, ID. [8 people] 14 November 2008
2. **Hodgson, E. W.** 2008. 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. 2006. 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**

(click on blue titles to see presentation or visit [www.ent.iastate.edu/dept/faculty/hodgson/](http://www.ent.iastate.edu/dept/faculty/hodgson/))

TOTAL PRESENTATIONS TO DATE: 12 (311 contacts)

TOTAL PRESENTATIONS AT ISU: 7 (174 contacts)

12. Gleason, C., W. Weber, **E. Hodgson**, B. Fuller, and C. Ingels. 2013. Engaging the community in public participation: tools for the extension professional. Iowa State University Council of Extension Professionals Annual Meeting, Ames, IA. [35 people]
11. **Hodgson, E. W.** 2012. Defining your brand: Thoughts on improving your CV. Soybean Entomology Laboratory Retreat, Ames, IA. [10 people]
10. **Hodgson, E. W.** and C. Krupke. 2012. 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. 2011. 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. 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.** 2010. Introduction to crop insects and management. 734<sup>th</sup> Agribusiness Development Team, Iowa National Guard, Field Extension Education Laboratory, Ames, IA. [40 people] 2 June 2010
6. **Hodgson, E. W.** 2009. [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.** 2009. 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.** 2007. 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.** 2007. 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.** 2006. 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.** 2003. What can we expect from soybean aphid in 2003? Minnesota Department of Natural Resources, St. Cloud, MN. [12 people]

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

(click on blue titles to see presentation or visit [www.ent.iastate.edu/dept/faculty/hodgson/](http://www.ent.iastate.edu/dept/faculty/hodgson/))

21. **Hodgson, E. W.** 2014. Video: Host plant resistance for soybean aphid. Soybean Webcast Series, Plant Management Network. June 2014. (xx views in 2014)
20. **Hodgson, E. W.** 2014. Webinar: Assessing corn rootworm activity now. American Society of Agronomy IPM Webinar Series. 18 June 2014. (350 viewers)
19. **Hodgson, E. W.** 2013. Video: CRW resistance management. January - December 2013. (xx views in 2013)
18. Heidel-Baker, T., C. Hardin, and **E. W. Hodgson**. 2013. Videos: Join the resistance against soybean aphid. Department of Entomology, Iowa State University.
  - 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. 2013. Video: Bee health and seed treatments. Department of Entomology, Iowa State University.
15. **Hodgson, E. W.** 2012. Video: [Spider mite management in Iowa](#). Department of Entomology, Iowa State University.
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. 2012. Video: Corn rootworm resistance management in Iowa. Iowa Private Pesticide Applicator Training. January-December 2012. (15,997 views)
11. **Hodgson, E. W.** 2011. Video: [Japanese beetle management in corn and soybean](#). Department of Entomology, Iowa State University.
10. **Hodgson, E. W.** 2011. 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.** 2011. Video: Introduction to insects. *In* Integrated Pest Management: Scouting Fields and Educational Resources, Iowa State University Crop Adviser Institute.
8. **Hodgson, E. W.** 2010. Video: [Using a sweep net in soybean](#). Department of Entomology, Iowa State University.
7. **Hodgson, E. W.** 2010-2011. 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.** 2010. 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.** 2010. 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.** 2009. Video: Aphid management in corn and soybean. Iowa State University Extension Ag Chemical Dealer Update Series. November 2009.
2. **Hodgson, E. W.** 2009-2010. Video: A new tool for managing soybean aphid in Iowa. Iowa Private Pesticide Applicator Training. December 2009 - April 2010. (16,940 views)  
-Iowa Commercial Pesticide Applicator Training. January-December 2010 (3,082 views)
1. **Hodgson, E. W.** 2009. Online module: [Insect Management](#). Iowa REAP (Resource Enhancement and Protection) Program. September 2009.

### **Other Presentations**

TOTAL PRESENTATIONS TO DATE: 99 (13,362 contacts)

TOTAL PRESENTATIONS AT ISU: 55 (9,885 contacts)

### **Iowa State University**

99. **Hodgson, E. W.** 2014. 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
98. **Hodgson, E. W.**, and A. Gassmann. 2014. Western corn rootworm resistance management recommendations. Boshart Sales Winter Meeting, Washington, IA. [45 people] 6 March 2014
97. **Hodgson, E. W.**, and A. Gassmann. 2014. Western corn rootworm resistance management recommendations. Southeast Iowa Agricultural Research Association Annual Meeting, Iowa City, IA. [40 people] 6 March 2014
96. **Hodgson, E. W.**, and A. Gassmann. 2014. 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.** 2014. 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. 2013. 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. 2013. 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**. 2013. 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.** 2013. 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.** 2013. Bees and pesticide exposure via seed treatments. Iowa State University Seed Treatment Workshop, Ames, IA. [18 people] 27 June 2013
89. **Hodgson, E. W.** 2013. Introduction to field crop insect ID and sampling. Midwest Independent Soil Samplers, Cherokee, IA. [28 people] 20 March 2013
88. **Hodgson, E. W.** 2013. 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.** 2013. Comparing spider mites and aphids. Growmark Advanced Agronomy Day, Des Moines, IA. [95 people] 6 March 2013
86. **Hodgson, E. W.**, and A. Gassmann. 2013. 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. 2013. 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. 2013. 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. 2013. 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. 2013. 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.** 2013. Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [24 people] 15 January 2013
80. **Hodgson, E. W.**, and A. Gassmann. 2013. 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
79. **Hodgson, E. W.**, and A. Gassmann. 2012. 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.** 2012. 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. 2012. Sustainable corn rootworm management in Iowa. Iowa Certified Crop Advisors Program, Ames, IA. [45 people] 27 November

76. **Hodgson, E. W.** 2012. 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.** 2012. 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. 2012. 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. 2012. 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.** 2012. 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.** 2012. Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [55 people] 9 January 2012
70. **Hodgson, E. W.** 2012. 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. 2011. 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.**, C. Kuntz, M. E. O'Neal, and G. VanNostrand. 2011. 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
67. **Hodgson, E. W.**, and G. VanNostrand. 2011. 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 2010
66. **Hodgson, E. W.** 2011. 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**. 2011. Improving soybean stand establishment with seed treatments. Iowa State University Seed Treatment Workshop, Ames, IA. [10 people] 30 June 2011
64. **Hodgson, E. W.** 2011. 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. 2011. 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.** 2011. Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [41 people] 10 January 2011
61. **Hodgson, E. W.**, and A. Gassmann. 2011. 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. 2011. 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. 2010. New technologies for corn rootworm management. Iowa State University Extension Ag Chemical Dealer Update Series, Iowa City, IA. [175 people] 9 December 2010
58. **Hodgson, E. W.**, and M. E. O'Neal. 2010. 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. 2010. 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.** 2010. Introducing a new tool to manage soybean aphid. Iowa Kickoff, Blue River Hybrids, Ames, IA. [35 people] 18 August 2010
55. **Hodgson, E. W.** 2010. 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.** 2010. 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.** 2010. Host plant resistance to soybean aphid. Iowa State University Extension, Baxter, IA. [10 people] 10 February 2010
52. **Hodgson, E. W.** 2010. Introduction for field crop insects. Iowa Certified Crop Advisors Program, Ames, IA. [37 people] 11 January 2010
51. **Hodgson, E. W.** 2010. [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. 2010. 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.** 2009. 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.** 2009. Learning the good bugs in a soybean landscape. 9<sup>th</sup> Annual Iowa Organic Conference, Ames, IA. [10 people] 5 December 2009



47. **Hodgson, E. W.**, M. E. O'Neal, and N. P. Schmidt. 2009. 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. 2009. A new chemistry for managing soybean aphid. 2005. 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. 2009. [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.** 2009. Lygus bug and spider mites in alfalfa seed. Utah Alfalfa Seed School, Brigham City, UT. [60 people] 3 March 2009
43. **Hodgson, E. W.** 2009. Introduction to the insects.  
 - Iron County Beginner Master Gardener Insect Program, Cedar City, UT. [40 people] 24 February 2009  
 - Washington County Beginner Master Gardener Insect Program, St. George, UT. [45 people] 25 February 2009  
 - Kane County Beginner Master Gardener Insect Program, Kanab, UT. [35 people] 26 February 2009
42. **Hodgson, E. W.** 2009. 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. 2009. 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. 2009. 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.** 2009. 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.** 2009. 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.** 2008. 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.** 2008. 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. 2008. 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**. 2008. 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.** 2008. 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.** 2008. Organic gardening. Stokes Nature Center Summer Educational Program, Logan, UT. [5 people] 28 June 2008
30. **Hodgson, E. W.** 2008. 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.** 2008. Termite biology 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.** 2008. 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.** 2008. Introduction to the insects.
  - Utah County Beginner Master Gardener Insect Program, Provo, UT. [22 people] 21 October 2008
  - Thanksgiving Point Gardens Beginner Master Gardener Insect Program, Lehi, UT. [55 people] 21 October 2008
  - Davis County Beginner Master Gardener Insect Program, Farmington, UT. [29 people] 26 March 2008
  - Salt Lake City Beginner Master Gardener Insect Afternoon Program, Salt Lake City, UT. [34 people] 20 March 2008
  - Salt Lake City Beginner Master Gardener Insect Evening Program, Salt Lake City, UT. [25 people] 20 March 2008
  - Wasatch/Summit Counties Beginner Master Gardener Insect Program, Park City, UT. [28 people] 28 February 2008
  - Washington County Beginner Master Gardener Insect Program, St. George, UT. [35 people] 20 February 2008
  - Kane County Beginner Master Gardener Insect Program, Kanab, UT. [14 people] 19 February 2008
  - Utah County Beginner Master Gardener Insect Program, Provo, UT. [18 people] 16 October 2007
  - Thanksgiving Point Gardens Beginner Master Gardener Insect Program, Lehi, UT. [39 people] 16 October 2007

26. **Hodgson, E. W.** 2008. Shade tree insects in Utah. Box Elder County Shade Tree Workshop, Brigham City, UT. [28 people] 12 February 2008
25. **Hodgson, E. W.** 2008. 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.** 2008. How to spot termites and their damage. Wood Destroying Insects Workshop, Ogden, UT. [30 people] 5 February 2008
23. **Hodgson, E. W.** 2008. UPPDL Services and introduction to insects. Wood Destroying Insects Workshop, Ogden, UT. [30 people] 5 February 2008
22. **Hodgson, E. W.** 2008. Scales - are they weighing you down? Utah Nursery and Landscape Association Green Conference, Sandy, UT. [75 people] 30 January 2008
21. **Hodgson, E. W.** 2008. Termite troubles. Utah Pest Control and Lawn Care Association Conference, Salt Lake City, UT. [35 people] 25 January 2008
20. **Hodgson, E. W.** 2007. 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.** 2007. 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.** 2007. 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.** 2007. The buzz on stinging insects. Utah Mosquito Abatement Association Spring Workshop, Salt Lake City, UT. [160 people] 14 April 2007
16. **Hodgson, E. W.** 2007. Bug basics and beyond.
  - Salt Lake County Beginner Master Gardener Insect Program, Salt Lake City, UT. [25 people] 28 February 2007
  - Davis County Beginner Master Gardener Insect Program, Farmington, UT. [30 people] 28 February 2007
  - Washington County Beginner Master Gardener Insect Program, St. George, UT. [35 people] 21 February 2007
  - Kane County Beginner Master Gardener Insect Program, Kanab, UT. [25 people] 20 February 2007
15. **Hodgson, E. W.** 2007. Common landscape and turfgrass pests. Washington County Advanced Master Gardener Insect Program, St. George, UT. [30 people] 21 February 2007
14. **Hodgson, E. W.** 2007. Common turfgrass pests and control options. Utah Nursery and Landscape Association Green Conference, Sandy, UT. [90 people] 24 January 2007
13. **Hodgson, E. W.** 2007. Aphids – those sucking insects. Utah Nursery and Landscape Association Green Conference, Sandy, UT. [45 people] 22 January 2007

12. **Hodgson, E. W.** 2007. 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.** 2007. Common turfgrass pests. Utah Pest Control and Lawn Care Association Conference, Salt Lake City, UT. [60 people] 19 January 2007
10. **Hodgson, E. W.** 2007. Insects and IPM in alfalfa. Utah Hay and Forage Symposium, St. George, UT. [175 people] 7 January 2007
9. **Hodgson, E. W.** 2006. 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.** 2006. Japanese beetle and other landscape pests. Intermountain Farmers Association Pesticide Recertification Seminar, Riverton, UT. [60 people] 7 November 2006
7. **Hodgson, E. W.** 2006. Best management practices for turfgrass. Cache County Advanced Master Gardener Workshop. Logan, UT. [9 people] 5 October 2006
6. **Hodgson, E. W.** 2006. Insects in the garden.
  - Thanksgiving Point Gardens Beginner Master Gardener Insect Program, Lehi, UT. [55 people] 3 October 2006
  - Utah County Beginner Master Gardener Insect Program, Provo, UT. [20 people] 3 October 2006
5. **Hodgson, E. W.** 2006. Recent insect invasions to Utah. 59<sup>th</sup> Annual Utah Mosquito Abatement Association Conference, St. George, UT. [125 people] 2 October 2006
4. **Hodgson, E. W.** 2006. 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.** 2006. Common vegetable pests and common IPM tactics. 2<sup>nd</sup> Annual USU Horticulture Diagnostic Workshop, Thanksgiving Point, Lehi, UT. [30 people] 25 April 2006
2. **Hodgson, E. W.** 2006. 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.** 2002. Soybean aphid in Minnesota. Minnesota Department of Natural Resources, St. Paul, MN. [14 people]

### **Field Day Presentations**

TOTAL PRESENTATIONS TO DATE: 70 (4,596 contacts)

TOTAL PRESENTATIONS AT ISU: 66 (3,760 contacts)

#### **Iowa State University**

70. **Hodgson. E.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. 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.** 2014. Early-season pest management update. Northwest Research Farm Field Day, Sutherland, IA. [2 sessions; 80 people] 25 June 2014

58. **Hodgson, E.** 2014. Early-season pest management update. Northeast Research Farm Field Day, Nashua, IA. [50 people] 24 June 2014
57. **Hodgson, E.** 2014. 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.** 2014. 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.** 2014. Insect ID and early season scouting in field crops. Field day, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 session; 33 people] 15 May 2014
54. **Hodgson, E.** 2013. Corn insect management. Dordt College, Sioux Center, IA. [4 sessions; 140 people] 4 September 2013
53. **Hodgson, E.** 2013. Corn insect update. North Central Cooperative Fall Seed Plot Field Day, Clarion, IA. [130 people] 3 September 2013
52. **Hodgson, E.** 2013. Corn rootworm resistance update. Iowa State University Agronomy Farm Field Day, Boone, IA. [125 people] 30 August 2013
51. Gassmann, A., and **E. Hodgson.** 2013. Corn rootworm evaluation field day. Field Extension Education Laboratory, Iowa State University, Ames, IA. [28 people] 8 August 2013
50. **Hodgson, E.** 2013. 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.** 2013. 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.** 2013. 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.** 2013. 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.** 2013. Early-season pest management update. Northern Research Farm Field Day, Kanawha, IA. [2 sessions; 60 people] 25 June 2013
45. **Hodgson, E.** 2012. Corn insect management update. Northern Research Farm Field Day, Kanawha, IA. [45 people] 5 September 2012
44. **Hodgson, E.** 2012. Field crop pest management update. Northeast Iowa Agricultural Experimental Association Fall Field Day, Northeast Research Farm, Nashua, IA. [2 sessions; 75 people] 22 August 2012



43. **Hodgson, E.** 2012. 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.** 2012. 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.** 2012. 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.** 2012. Corn insect activity update. Pioneer Field Day, Field Extension Education Laboratory, Ames, IA. [2 sessions; 40 people] 2 August 2012
39. **Hodgson, E.** 2012. Corn insect activity update. Pioneer Field Day, Field Extension Education Laboratory, Ames, IA. [4 sessions; 100 people] 20 July 2012
38. **Hodgson, E.** 2012. 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.** 2012. 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.** 2012. Smart crop production. Management Clinic, Field Extension Education Laboratory, Iowa State University Ames, IA. [2 sessions; 45 people] 11 July 2012
35. **Hodgson, E.** 2012. 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. 2011. 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.** 2011. 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.** 2011. 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.** 2011. 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.** 2011. Every plant counts. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 80 people] 13 July 2011

29. **Hodgson, E.** 2011. 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. W. Hodgson.** 2010. Host plant resistance for organic production. Plot tour, Ron Rossman Organic Farm, Harlan, IA. [30 people] 11 September 2010
27. **Hodgson, E. W.** 2010. 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. W. Hodgson.** 2010. Host plant resistance for organic production. Plot tour, Paul Mugge Organic Farm, Sutherland, IA. [25 people] 28 August 2010
25. **Hodgson, E. W.** 2010. 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.** 2010. 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.** 2010. 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.** 2010. 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.** 2010. Soybean seed treatments. Management Clinic, Field Extension Education Laboratory, Iowa State University, Ames, IA. [2 sessions; 50 people] 14 July 2010
20. **Hodgson, E.** 2010. 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.** 2009. Soybean insect management update. Northwest Iowa Research Farm Field Day, Sutherland, IA. [125 people] 30 June 2010
18. **Hodgson, E.** 2009. Soybean insect management update. Southeast Iowa Research Farm Spring Field Day, Crawfordsville, IA. [150 people] 24 June 2010
17. **Hodgson, E.** 2009. Soybean insect management update. Field day, Neely-Kenyon Research Farm, Iowa State University, Greenfield, IA. [50 people] 27 August 2009
16. **Hodgson, E.** 2009. Soybean aphid management update and plant health in soybean. Wall Lake, IA. [25 people] 27 August 2009
15. O'Neal, M., and **Hodgson, E.** 2009. 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.** 2009. Soybean insect management update. PLOT tour, Chad Anderson Pioneer Hi-Bred, Emmetsburg, IA. [15 people] 4 August 2009
13. **Hodgson, E.** 2009. Soybean insect management update. Clay County Growers Plot, Spencer, IA. [10 people] 4 August 2009
12. **Hodgson, E.** 2009. Soybean insect management update. Plot tour, Rod Pierce Farm, Boone, IA. [40 people] 29 July 2009
11. **Hodgson, E.** 2009. 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.** 2009. 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.** 2009. 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.** 2009. 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.** 2009. 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.** 2009. 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.** 2009. 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. W.** 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. W.** 2005. Soybean aphid biology and Speed Scouting. Field School for Agricultural Professionals, Lamberton, MN. [4 sessions; 140 people]
2. **Hodgson, E. W.** 2003. Cruisin' for a bruising: Soybean aphids can hit hard. Field School for Agricultural Professionals, Rosemount, MN. [6 sessions; 180 people]
1. Ragsdale, D. W., and **E. W. Hodgson.** 2001. Soybean aphid: Biology and management. Field School for Agricultural Professionals, Rosemount, MN. [16 sessions; 480 people]

## **Youth Presentations**

TOTAL PRESENTATIONS TO DATE: 10 (652 contacts)

10. **Hodgson, E.** 2013. Basics of insect ID and creating an entomology project. Rochester 4H Club, Rochester, MN. [38 people] 12 May 2013
9. **Hodgson, E.** 2012. Life of a bug: insect development and identification. Southeast Research Farm, Crawfordsville, IA. [2 sessions; 35 people] 6 September 2012
8. **Hodgson, E.** 2011. Collecting and curating insects for field crop scouting. Field Extension Education Laboratory, Ames, IA. [1 sessions; 10 people] 19 August 2011
7. Robertson, A., S. Marlay, and **E. Hodgson.** 2011. All about corn! Downtown School, Des Moines, IA. [3 sessions; 32 people] 28 February 2011
6. **Hodgson, E.** 2009. CSI: Crops 4-H Field Day. Field Extension Education Laboratory, Ames, IA. [3 sessions; 32 people] 1 July 2009
5. **Hodgson, E. W.** 2007. Butterflies. Earthfairies Children's Group, Logan, UT. [10 people] 4 September 2007 (*also recorded for local public television*)
4. **Hodgson, E. W.,** and R. Davis. 2007. Insect classification and labeling your collection. Ephraim Canyon, Sanpete County 4-H Camp, UT. [8 sessions; 200 people] 21 July 2007
3. **Hodgson, E. W.** 2007. Introduction to insects. Hardware Ranch, Cache County 4-H Camp, UT. [3 sessions; 45 people] 6 July 2007
2. **Hodgson, E. W.** 2007. Bugs in your life. Beaver, Beaver County 4-H Camp, UT. [6 sessions; 210 people] 27 June 2007
1. **Hodgson, E. W.** 2007. Bug basics. Lehi Cub Scouts Pack 1003, Lehi, UT. [40 people] 23 May 2007

## **Mixed-Media Educational Programming**

5. *Contributor*, Soybean Insects Guide, 2011-present ([www.ent.iastate.edu/soybeaninsects](http://www.ent.iastate.edu/soybeaninsects))
4. *Creator*, *It's a bug's life* Blog, 2010-present (<http://iowabuglife.blogspot.com/>)
3. *Contributor*, Iowa Farmer Today *CropWatch* Blog, 2010-2012 ([www.iowafarmertoday.com/blog/](http://www.iowafarmertoday.com/blog/))
2. *Contributor*, Soybean aphid podcast with Matt O'Neal, 2009-present ([www.soybeanaphid.info](http://www.soybeanaphid.info))
1. *Contributor*, Access Utah Public Radio Home and Gardening Show with Bryan Earl (~14,000 listeners per show); 5 in 2007; 6 in 2008

*Examples of popular press contributions via telephone, email and face-to-face interviews by which reporters developed articles from our conversation:*

Associated Press  
Corn and Soybean Digest  
CropLife Magazine  
Farm Journal

Midwest Ag Journal  
Farm News  
Iowa Farmer Today  
Wallaces Farmer

NAFB Farm Network  
WOI Radio  
Farm Talk Radio  
KICD AM Radio

ISA e-Gold Tip of the Week  
 AgProfessional Magazine  
 Iowa Farm Bureau  
 Women's World Magazine

Progressive Farmer  
 Science World Magazine  
 No-Till Farmer  
 National Public Radio

WHO Radio  
 Brownfield Ag News  
 Farm Industry News  
 Iowa Public Radio

**Summary of contributions to popular press interviews**

Type of Presentation	06-09 <sup>a</sup>	2009	2010	2011	2012	2013	2014	Total
Newspaper/Magazine	5	6	10	14	18	8		61
Online	-	2	5	4	2	-		13
Podcasts	-	12	10	11	10	9		52
Television/Radio	13	-	-	2	6	4		25

<sup>a</sup> = includes activity at Utah State University from May 2006 through March 2009.

**RESEARCH (30%)**

**Research Grants**

TOTAL FUNDED TO DATE: \$3,628,334 [\$562,574 - reflects my effort]

TOTAL FUNDED AT ISU: \$3,568,242 [\$507,687 - reflects my effort]

**Funded**

19. "Enhancing Soybean Yield Through Strategic Use of Soybean Seed Treatments for Seedling Disease and Insect Pest Management," Iowa Soybean Association, 2013-2016 (\$409,456); PI's: A. Robertson, G. Munkvold, G. Tylka and E. Hodgson
18. "Determining Soybean Pest and Pesticide Interactions as a Means to Optimize Soybean Yield." Iowa Soybean Association, 2012-2015 (\$201,206) [\$150,904]; PI's: E. Hodgson, A. Gassmann, G. Tylka
17. "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
16. "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)
15. "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
14. "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

13. "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
12. "Establishing Seed Treatment Recommendations for Iowa Soybean Growers," Iowa Soybean Association, 2010-2013 (\$174,652) [21,057]; PIs: A. Robertson, E. Hodgson, G. Munkvold
11. "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
10. "Creating and Validating a Sampling Plan for Aphids in Corn," Iowa State University Agricultural Experiment Station Project #5274 (\$1,250)
9. "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
8. "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
7. "Test for Synergism between Entomopathogens and *HerculexRW*" Pioneer Hi-Bred International, 2010-2013 (\$30,000) [8,000]; PIs: A. Gassmann, S. Jaronski, E. Hodgson
6. "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
5. "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)
4. "Billbug Population Dynamics in Northern Utah Turfgrass," Utah State University, New Faculty Research Grant, 2008 (\$10,046)
3. "Evaluating the Effect of Rimon® on Adult and Immature Alfalfa Leafcutting Bees," Northwest Alfalfa Seed Research Council, Alfalfa Pollinator Research Grant, 2008 (\$8,000) [7,000]; PIs: E. Hodgson, T. Pitts-Singer, and J. Barbour
2. "Examining Traditional Economic Thresholds for Alfalfa Weevil in Established Alfalfa," Utah IPM and Sustainable Ag Mini-Grant Program, 2008 (\$1,784) [500]; PIs: C. Israelsen, M. Pace, M. Nelson, and J. Barnhill (USU Cooperative Extension County Agricultural Agents), E. Hodgson, and D. Feuz
1. "Developing a Bioassay to Evaluate Alfalfa Weevil Resistance in Alfalfa," Utah State University Community/University Research Initiative Grant, 2007 (\$22,900) [20,000]; PIs: E. Hodgson, Y. Wu, D. Chen, and M. Peel

### **Submitted**

2. "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
1. "Remote Sensing of Soybean Aphid Using Spectral Reflectance and Unmanned Aerial Systems," USDA Nation Institute of Food and Agriculture, 2015-2016 (\$187,513) [\$23,314]; PI's: I. MacRae, R. Koch and E. Hodgson

### **Not Funded**

2. "*Protecting Soybeans from Aphids, as Easy as (Rag) 1, 2, 3,*" Iowa Soybean Association, 2014-2017 (\$126,910) [63,455]; PIs: M. O'Neal, E. Hodgson
1. "*Profitability and Adoption of New Technology and Implications for Agricultural Policy,*" National Institute for Food and Agriculture, 2013-2016 (\$997,000) [61,046]; PI: T. Hurley, Co-PIs: K. Ostlie, M. Livingston, P. Mitchell, D. Andow, and E. Hodgson

### **Refereed Publications**

TOTAL PUBLICATIONS TO DATE: 9

TOTAL PUBLICATIONS AT ISU: 5

11. McCarville, M. T., G. Tylka, M. E. O'Neal, G. MacIntosh, and **E. W. Hodgson**. 2014. Interactions between an aboveground and a belowground herbivore challenge crop production. *Pest Management Science, in preparation*.
10. Clifton, E. H., S. T. Jaronski, **E. W. Hodgson**, and A. J. Gassmann. 2014. Effect of conventional and organic agriculture on soil-borne entomopathogenic fungi. *Journal of Applied Ecology, in preparation*.
9. Bruner, R. F., **E. W. Hodgson**, and A. J. Gassmann. 2013. Preference and performance of soybean defoliators on *Rag1* soybean. *Journal of Economic Entomology* 106: 2577-2584.
8. **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* 11: 43. [www.insectscience.org/11.43/](http://www.insectscience.org/11.43/).
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* 102: 2101-2108.
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* 100: 1258-1267.

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.
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* 34: 1456-1463.
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* 97: 2127-2136.
1. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2004. Within-field distribution of the sunflower midge (Diptera: Cecidomyiidae). *Environmental Entomology* 33: 1037-1044.

### **Other Research Publications**

1. 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.

### **Research Presentations**

#### ***Invited Papers***

7. **Hodgson, E.**, D. Landis, C. DiFonzo, C. Gratton, M. O'Neal, D. Ragsdale, and S. Swinton. 2012. Soybean aphid in the North Central US: Implementing IPM at the landscape scale. 7<sup>th</sup> International Integrated Pest Management Symposium, Memphis, TN, 28 March 2012.
6. **Hodgson, E. W.**, and M. E. O'Neal. 2011. Sustainable soybean aphid management for the next decade. 66<sup>th</sup> 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. 2006. Soybean aphid: A regional approach to management of an invasive insect. 60<sup>th</sup> Annual North Central Branch Entomological Society of America Meeting, Bloomington, IL, 27 March 2006.
4. **Hodgson, E. W.**, and D. W. Ragsdale. 2004. Population dynamics of soybean aphid in Minnesota. 75<sup>th</sup> 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. 2004. Colonization and dynamics of soybean aphid in Minnesota. 3<sup>rd</sup> Annual Invasion Biology Research Consortium Retreat, University of Minnesota Landscape Arboretum, Chanhassen, MN, 5 January 2004.
2. **Hodgson, E. W.** 2002. Genetic variation and field colonization of soybean aphid. Department of Entomology, North Dakota State University, Fargo, ND.
1. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2000. Spatial distribution of sunflower midge. 11<sup>th</sup> Annual Great Plains Sunflower Workshop, Fargo, ND, 13 April 2000.

### **Contributed Papers**

33. Lasley, P., W. Wintersteen, J. Arbuckle, A. Gassmann, E. Hodgson, and M. O'Neal. 2014. Pest management concerns among Iowa row-crop farmers. 62<sup>nd</sup> Annual Entomological Society of America Meeting, Portland, OR, xx November 2014.
32. Clifton, E. H., **E. W. Hodgson**, G. Tylka, and A. J. Gassmann. 2014. Determining pest and pesticide interactions as a means to optimize soybean yield. Ph.D. Student Paper Competition. 62<sup>nd</sup> Annual Entomological Society of America Meeting, Portland, OR, xx November 2014.
31. Clifton, E. H., **E. W. Hodgson**, G. Tylka, and A. J. Gassmann. 2014. Determining pest and pesticide interactions as a means to optimize soybean yield. Ph.D. Student Paper Competition. 69<sup>th</sup> Annual North Central Branch Entomological Society of America Meeting, Des Moines, IA, 10 March 2014.
30. Stallman, T. and **E. W. Hodgson**. 2014. Survey of insects in Iowa vineyards. B.S. Student Paper Competition. 69<sup>th</sup> 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. 2013. Soybean aphid feeding increases soybean cyst nematode reproduction. Ph.D. Student Paper Competition. 61<sup>st</sup> 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. 2013. Bt-resistant western corn rootworm: 2012 survey results of Iowa farmer perceptions, experiences and actions. 61<sup>st</sup> 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. 2013. Soybean aphid feeding affects soybean cyst nematode reproduction. Ph.D. Student Paper Competition. 68<sup>th</sup> 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. 2013. Impacts of conventional and organic agriculture on soil-borne fungi. 68<sup>th</sup> 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. 2012. Impact of conventional versus organic agriculture on entomopathogenic fungi. M.S. Student Paper Competition. 60<sup>th</sup> 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. 2012. The effects of cropping systems on entomopathogenic fungi. M.S. Student Paper Competition. 67<sup>th</sup> 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**. 2012. Effects of *Rag1*-resistant soybeans on the development and performance of noctuid larvae. M.S. Student Paper Competition. 67<sup>th</sup> 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. 2011. Assessment of Iowa soybean growers on IPM practices. 59<sup>th</sup> 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. 2011. Preference and performance of two lepidopteran species on *Rag1* cultivars. Student Paper Competition. 59<sup>th</sup> Annual Entomological Society of America Meeting, Reno, NV, 14 November 2011.
20. O'Neal, M. E., **E. W. Hodgson**, and J. VanDyk. 2011. Podcasting for dummies: Or how we learned to use iTunes to deliver soybean aphid recommendations. 66<sup>th</sup> 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**. 2011. Evaluating the performance and preference of soybean herbivores on *Rag1* soybean. M.S. Student Paper Competition. 66<sup>th</sup> Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 14 March 2011.
18. **Hodgson, E. W.**, and M. E. O'Neal. 2011. Using the suction trapping network to describe aphid migration. 3<sup>rd</sup> Biennial ISU Aphid Research Symposium, Ames, IA, 15 February 2011.
17. **Hodgson, E. W.**, M. E. O'Neal and J. VanDyk. 2010. Podcasting out of our garage: A 2-year review. 58<sup>th</sup> Annual Entomological Society of America Meeting, San Diego, CA, 13 December 2010.
16. Daniels, C., **E. W. Hodgson**, J. Chumley, and R. Hirnyck. 2009. PNW Pest Management Workgroup: Transcending boundaries with a geographically-based workgroup. 6<sup>th</sup> International Integrated Pest Management Symposium, Portland, OR, 26 March 2009.
15. **Hodgson, E. W.**, T. Pitts-Singer, and J. Barbour. 2008. The effects of an IGR on alfalfa leafcutting bee development. 56<sup>th</sup> Annual Entomological Society of America Meeting, Reno, NV, 18 November 2008.
14. **Hodgson, E. W.** 2008. Within-field movement of billbugs in Utah turfgrass. 92<sup>nd</sup> 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. 2006. Soybean aphid and the challenge of integrating recommendations within an integrated pest management system. 5<sup>th</sup> 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. 2005. Field validation of Speed Scouting for Soybean Aphid. 53<sup>rd</sup> 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. 2004. Development of enumerative and binominal sampling plans for soybean aphid. Ph.D. Student Paper Competition. 59<sup>th</sup> 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. 2003. Spring colonization and summer migration of the soybean aphid. Ph.D. Student Paper Competition. 51<sup>st</sup> Annual Entomological Society of America Meeting, Cincinnati, OH, 27 October 2003.
9. **Hodgson, E. W.**, R. C. Venette, and D. W. Ragsdale. 2003. Summer alatae production of soybean aphid in Minnesota. Ph.D. Student Paper Competition. 58<sup>th</sup> 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. 2002. Comparing spatial and temporal distribution of soybean aphid. Ph.D. Student Paper Competition. 50<sup>th</sup> Annual Entomological Society of America Meeting, Fort Lauderdale, FL, 18 November 2002.
7. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2001. Within-field distribution of sunflower midge using GIS. M.S. Student Paper Competition. 56<sup>th</sup> 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. 2001. Within-field distribution of immature sunflower midge. 23<sup>rd</sup> Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 17 January 2001.
5. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2000. Within-field distribution of sunflower midge using GIS. M.S. Student Paper Competition. 49<sup>th</sup> Annual Entomological Society of America Meeting, Montreal, Canada, 4 December 2000.
4. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2000. Within-field distribution of sunflower midge using GIS. M.S. Student Paper Competition. 56<sup>th</sup> Annual Entomological Society of Manitoba Meeting, Winnipeg, Manitoba, Canada, 20 October 2000.
3. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2000. Spatial distribution of sunflower midge. Sigma Xi Student Paper Competition, Fargo, ND, 5 November 2000.

2. **Hodgson, E. W.**, I. V. MacRae, and G. J. Brewer. 2000. Spatial distribution of sunflower midge, *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae). 55<sup>th</sup> 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. 2000. Spatial distribution of sunflower midge, *Contarinia schulzi* Gagné (Diptera: Cecidomyiidae). 22<sup>nd</sup> Annual Sunflower Research Workshop, National Sunflower Association, Fargo, ND, 18 January 2000.

### **Contributed Posters**

20. **Hodgson, E.**, and G. VanNostrand. 2014. 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. 2014. Soybean aphid management in Iowa. 69<sup>th</sup> Annual North Central Branch Entomological Society of America Meeting, Des Moines, IA, 10 March 2014.
18. **Hodgson, E.**, and G. VanNostrand. 2014. 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. 2013. Determining pest and pesticide interactions as a means to optimize soybean yield. Ph.D. Student Competition. 61<sup>st</sup> Annual Entomological Society of America Meeting, Austin, TX, 12 November 2013.
16. Clifton, E., **E. W. Hodgson**, S. T. Jaronski, and A. J. Gassmann. 2011. 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. 2012. Preparing for the brown marmorated stink bug in Iowa. 7<sup>th</sup> 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. 2011. Evaluating seasonal exposure to soybean aphid (Hemiptera: Aphididae) and yield to *Rag1* soybeans. 59<sup>th</sup> Annual Entomological Society of America Meeting, Reno, NV, 16 November 2011.
13. Clifton, E., **E. W. Hodgson**, S. T. Jaronski, and A. J. Gassmann. 2011. Effects of organic and conventional agriculture on entomopathogenic fungi. Student Poster Competition. 59<sup>th</sup> 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. 2011. Soybean aphid efficacy evaluation program. 66<sup>th</sup> Annual North Central Branch Entomological Society of America Meeting, Minneapolis, MN, 15 March 2011.

11. Clifton, E., **E. W. Hodgson**, S. T. Jaronski, and A. J. Gassmann. 2011. Comparison of entomopathogenic fungi in organic and conventional farms. 66<sup>th</sup> 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. 2010. Extension and research to facilitate the incorporation of soybean-aphid resistant varieties into Iowa crop production. 58<sup>th</sup> Annual Entomological Society of America Meeting, San Diego, CA, 13 December 2010.
9. **Hodgson, E. W.**, T. L. Pitts-Singer, and J. D. Barbour. 2010. Novaluron toxicity to immature alfalfa leafcutting bees. 94<sup>th</sup> 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. 2010. Novaluron toxicity to immature alfalfa leafcutting bees. 65<sup>th</sup> 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. 2010. 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. 2009. Workgroup with a geographic focus - a different way of doing business: The PNW Agriculture IPM Workgroup. 6<sup>th</sup> International Integrated Pest Management Symposium, Portland, OR, 24-25 March 2009.
5. **Hodgson, E. W.**, and C. Burfitt. 2008. 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.** 2007. Billbug population dynamics in Utah Kentucky bluegrass. 55<sup>th</sup> 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. 2004. Speed Scouting for Soybean Aphid. Ph.D. Student Poster Competition. 52<sup>nd</sup> Annual Entomological Society of America Meeting, Salt Lake City, UT, 15 December 2004.
2. **Hodgson, E. W.**, C. C. Casmey, A. Helm, S. J. Weller, and D. W. Ragsdale. 2002. Genetic variation in native and introduced populations of soybean aphid. Ph.D. Student Poster Competition. 57<sup>th</sup> 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. 2001. Within-field spatial and temporal distribution of soybean aphid. Ph.D. Student Poster Competition. 49<sup>th</sup> Annual Entomological Society of America Meeting, San Diego, CA, 10 December 2001.

### **Other Departmental Papers**

15. Hodgson, E. W. 2014. It's a turducken: managing soybean aphid inside a soybean pest complex. Department of Plant Sciences, South Dakota State University, Brookings, SD, 27 October 2014.
14. **Hodgson, E. W.** 2012. 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.** 2010. Iowa's current and potential invasive insect species. Department of Entomology Brown Bag Lunch Series, Ames, IA, 15 February 2010.
12. **Hodgson, E. W.** 2009. Bee health and billbug research updates. Department of Plants, Soils and Climate, Utah State University, Logan, UT, 23 February 2009.
11. **Hodgson, E. W.** 2008. Protecting pollinators in alfalfa seed. Department of Entomology, Iowa State University, Ames, IA, 12 December 2008.
10. **Hodgson, E. W.** 2008. Vignettes in extension entomology. Department of Biology, Utah State University, Logan, UT.
9. **Hodgson, E. W.** 2005. Fight the bite!: Preventing West Nile Virus. Department of Biology, Utah State University, Logan, UT.
8. **Hodgson, E. W.** 2005. Colonization patterns and sampling of the soybean aphid. Department of Biology, Utah State University, Logan, UT.
7. **Hodgson, E. W.** 2005. West Nile Virus: Not just for the birds anymore. Department of Entomology, North Dakota State University, Fargo, ND.
6. **Hodgson, E. W.** 2005. Colonization and sampling of the soybean aphid. Department of Entomology, North Dakota State University, Fargo, ND.
5. **Hodgson, E. W.** 2005. West Nile Virus: It's not just for the birds anymore. Department of Entomology, North Dakota State University, Fargo, ND.
4. **Hodgson, E. W.** 2005. Population dynamics and sampling of the soybean aphid. Northern Grains Insect Research Laboratory, United States Department of Agriculture, Agricultural Research Services, Brookings, SD.
3. **Hodgson, E. W.** 2005. Population dynamics and sampling of the soybean aphid. Department of Entomology, University of Minnesota, St. Paul, MN, *exiting seminar*.
2. **Hodgson, E. W.** 2002. Within-field sampling, pathogens and genetics: A research proposal for soybean aphid. Department of Entomology, University of Minnesota, St. Paul, MN.
1. **Hodgson, E. W.** 2001. Spatio-temporal distribution of immature sunflower midge. Department of Entomology, North Dakota State University, Fargo, ND, *exiting seminar*.

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

### **Professional Societies and Memberships**

Gamma Sigma Delta - Iowa Beta Chapter, 2012-present

Epsilon Sigma Phi - Alpha Mu Chapter, 2009-present

National Alfalfa Alliance, 2006-2009

Entomological Society of America, 1999-present

### **Publication Reviews**

*Subject Editor of Field Crops*, Journal of Integrated Pest Management, Entomological Society of America (2010-present)

Peer-reviewed journal manuscripts (16 total):

Journal of Integrated Pest Management - 1 (2014); Journal of Economic Entomology - 5 (2005), 1 (2011), 1 (2012), 1 (2013), 2 (2014); Environmental Entomology - 2 (2007), 1 (2013); Canadian Entomologist - 1 (2010); Crop Management - 1 (2010); Journal of Pest Science - 2 (2011); Journal of Crop Improvement - 1 (2011)

Book review, "What If There Were No More Bees? A Book About the Grassland Ecosystem," published by Picture Window Books, Mankato, Minnesota (2010)

Book review, "Do All Bugs Have Wings? And Other Questions Kids Have About Bugs," published by Picture Window Books, Mankato, Minnesota (2009)

### **Organizational Service**

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

38. *Judge*, ISU Crop Scouting Competition, August 2014

37. *Co-Organizer*, NCSRP Soybean Aphid Capstone Event, Ames, Iowa, 2014

36. *Member*, ESA Distinguished Achievement Award in Extension Committee, 2014-2016

35. *Co-Organizer*, IPM Symposium, 8th International IPM Symposium, Salt Lake City, Utah

34. *Member*, ISU Systems Agronomist Faculty Search Committee, 2014

33. *Member*, Ad Hoc Committee for UAV guidelines at ISU, November 2013-present

32. *Panel Member*, ESA Young Professional Committee, Lunch & Learn Discussion, November 2013

31. *Judge*, ISU Crop Scouting Competition, August 2013

30. *Member*, Iowa Pesticide Advisory Committee, 2013-2017

29. *Member*, ISU Extension Field Agronomist Search Committee, 2013

28. *Chair*, 2014 NCB-ESA Local Arrangements Committee, 2012-2014

27. *Participant*, National Extension Leadership Development Program, 2013; will participate in four multi-day meetings throughout the year.

26. *Organizer and Moderator*, NCB-ESA Symposium: Spider mite management, June 2013

25. *Judge*, ISU Crop Scouting Competition, July 2012

24. *Organizer and Moderator*, Iowa State University Extension and Outreach Insect Field Day, 15 August 2012



23. *Organizer*, 2014 NCB-ESA Site Selection Committee, 2012
22. *Member*, Iowa State University Extension and Outreach Crop Advantage Series Planning Committee, 2012; we met throughout fall/winter to develop the 2013 meeting program.
21. *Member*, ISU Extension Field Agronomist Search Committee, 2012
20. *Ad-hoc Member*, Iowa State University Agronomy Research Farm Committee, 2012-present; we meet annually to maintain organization and facilitate field research plans.
19. *Organizer and Moderator*, IPM Symposium: Insurance applications, March 2012
18. *Judge*, NCB-ESA Annual Meeting B.S./M.S. Student Paper Competition, March 2011
17. *Judge*, ISU Crop Scouting Competition, July 2011
16. *Member*, Iowa State University Extension Crops Program Development and Delivery Executive Committee, 2010; we met throughout the spring to develop the 2011-2015 Plan of Work.
15. *Member at Large*, NCB-ESA Executive Committee, 2011-2014
14. *Moderator*, ESA Undergraduate Paper Competition, December 2010
13. *Member*, Iowa State University Extension Field Agronomist Training Committee, 2010, 2012, 2013; we met throughout the year to plan two in-service training workshops.
12. *Organizer and Moderator*, ESA Symposium: Getting the most out of your ESA experience, December 2010
11. *Member*, NCB-ESA Student Competition/Awards Committee, 2011-2013 (*Chair in 2013*)
10. *Member*, Iowa State University Extension Field Agronomist Training Committee, 2010; we met throughout the year to plan two in-service training workshops
9. *Judge*, NCB-ESA Annual Meeting Ph.D. Student Paper Competition, March 2010
8. *Member*, Great Plains IPM Working Group, 2009-present
7. *Co-Organizer*, North Central IPM Extension Entomologists Working Group, 2009-2012; we meet weekly through a teleconference in the summer and have an annual meeting in the fall.
6. *Member*, North Central Extension Entomologists Working Group, 2009-present
5. *Member*, 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*)
4. *Member*, Iowa State University Extension and Outreach Crops Team, 2009-present
3. *Member*, ESA Exciting Undergraduates in Entomology Taskforce, 2009-2011
2. *Member and Editor*, Entomology Department Newsletter Committee, 2009-present
1. *Judge*, ESA Annual Meeting Ph.D. Student Paper Competition, December 2009

### **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 (3-4 February 2009); audience members (40 people) were USU Extension Agents and Staff, and people with the private and public garden industry.
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 (29-30 January 2009)
16. *Co-Organizer*, Termite Workshop, Salt Lake City, UT, 2008; with C. James at the Utah Department of Food and Agriculture (3 June 2008); audience members (32 people) included Utah Department of Agriculture and Food State Inspectors and Compliance Specialists.
15. 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. Women's Aggie Rugby Club; *Coach*, 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 (5 February 2008); audience members (30 people) were licensed pesticide applicators.
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 (7-8 January 2007); audience members (~200 people) included people who grow, buy or use hay and forage in Utah.
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*, ESA NCB 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*, ESA NCB Student Affairs Committee, 2002-2004
5. *Member*, Public Relations Committee, Department of Entomology, 2002-2006
4. *Judge*, ESA NCB Student Paper Competition, March 2002
3. *Member*, ESA NCB Student Awards Committee, 2002-2003
2. *Member*, Linnaean Games, 2002-2004
1. 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. 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. Women's Rugby Club, 1996-2001; *Founder, President* (1996-1998)
1. *Member*, Kappa Delta Sorority, 1995-1998

### **Educational Outreach**

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

9. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 13 December 2013
8. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 13 May 2013
7. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 17 January 2012
6. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 7 February 2011
5. Insect Zoo, Aldrich Memorial Nursery School, Rochester, MN, 17 June 2011
4. Insect Zoo, Bamber Valley Elementary School, Rochester, MN, 7 February 2011
3. Insect Zoo, VEISHEA, Iowa State University, Ames, IA, 16 April 2010
2. Insect Zoo, Aldrich Memorial Nursery School, Rochester, MN, 5 October 2009
1. Insect Zoo, Odyssey of the Minds at Iowa State University, Ames, IA, 29 May 2009

#### ***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

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

### **Mentorships**

15. Eric Clifton, Co-Advisor for Ph.D. Degree, Department of Entomology (2013-present)
14. Cody Schweiger, Department of Natural Resources, Ecology and Management, mentor for Environmental Science Apprenticeship, EnSci 391 (2013)
13. Joe Wheelock, Department of Entomology Program of Study Committee Member for M.S. Degree (2013-present)
12. Tyler Stahlman, Department of Horticulture, mentor for Environmental Science Apprenticeship, Ent 490 (2013-2014)
11. Thelma Heidel-Baker, Department of Entomology Post-Doctoral Assistantship (2013-present)
10. 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)
9. Mike Dunbar, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2011-present)
8. Adam Varenhorst, Department of Entomology Program of Study Committee Member for Ph.D. Degree (2011-present)
7. 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)
6. 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)
5. 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 herbivore community* (June 2012)
4. 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)

3. 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)
2. Paul Bingham, Department of Biology mentor for Utah State University Undergraduate Research Symposium. Presented a poster: *Defining life history information for billbugs (Coleoptera: Curculionidae) in northern Utah* (March 2009)
1. Melody Rose Anderson, Department of Biology Committee member for Utah State University Undergraduate Biology Honors Thesis: *Enhanced biological control of the cereal leaf beetle* (Spring 2007)

### **Classroom Instruction**

2. Special Topics - *Grape Pest Management* (ENT 490EH), Department of Entomology, Iowa State University, Spring 2013 and Fall 2013 (5 total credits)
1. *Special Topics - Extension Entomology* (ENT 590L), Department of Entomology, Iowa State University, Summer 2010 and Fall 2010 (2 total credits)

### **Guest Lectures**

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. IPM in Organic Agriculture (SUSAG 484/584), Iowa State University. "Insect identification, sampling and organic management."  
 -3 April 2012 to 35 students  
 -30 September 2014 to 35 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
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, 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**

1. *Pests and Crop Protection* (AGRI 3001), Department of Entomology, University of Minnesota, Spring 2006
2. *Insect Structure and Function* (ENT 5011), Department of Entomology, University of Minnesota, Fall 2003
3. *General Entomology* (ENT 310), Department of Entomology, North Dakota State University, Fall 2001 and Fall 1999