

**JONATHAN GARY LUNDGREN**  
**North Central Agricultural Research Laboratory**  
**USDA-ARS**

**2923 Medary Avenue**  
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**EDUCATION:**

2004	Ph.D.	Entomology	University of Illinois
2000	M.S.	Entomology	University of Minnesota
1998	B.S.	Biology	University of Minnesota

**EMPLOYMENT HISTORY:**

2011-Present	Research entomologist GS-14 (Lead Scientist), North Central Agricultural Research Laboratory, USDA-ARS
2008-2011	Research entomologist GS-13 (Lead Scientist), North Central Agricultural Research Laboratory, USDA-ARS
2004–2008	Research entomologist GS-12, North Central Agricultural Research Laboratory, USDA-ARS
2004	Associate research scientist III, Center for Ecological Entomology, Illinois Natural History Survey
2001–2003	Research assistant (PhD), Department of Entomology, University of Illinois
1999–2001	Research assistant (MSc), Department of Entomology, University of Minnesota
1997–1999	Junior scientist, Department of Entomology, University of Minnesota
1997–1998	Technician, USDA-APHIS- Plant Protection & Quarantine
1997	Technician (seasonal) for the Minnesota Department of Agriculture

**PROFESSIONAL ACTIVITIES:**

**AFFILIATIONS:**

- Adjunct Professor. Department of Plant Science, South Dakota State University (2005-Present)
- Adjunct Professor. Department of Biology and Microbiology, South Dakota State University (2005-Present)
- Adjunct Professor. Department of Entomology, North Dakota State University (2005-Present)

**PROFESSIONAL SOCIETY MEMBERSHIP:**

- International Organization for Biological Control (IOBC) (2001-Present).
  - President-elect for IOBC-NRS, 2010-Present.
  - Corresponding Secretary for the IOBC-NRS 2006-2010.
  - Education Development Committee, Chair 2008-Present.
- Entomological Society of America (ESA) (1998-Present).
  - ESA Resolutions committee (2011)
  - Entomological Foundation Awards committee (2011)
  - NCB Awards committee (2009 to present; co-chair 2010)
  - Section Ca Secretary 2006; Vice-Chair 2007

- Section C representative to the Ethics Committee, 2005-2008.
- Section C representative to the Editorial Board of ESA Book and Media Reviews, 2003-2005.
- Student Affairs Committee representative to the Program Committee- North Central Branch (NCB) of the ESA, 2003–2004.
- Member of the University of Illinois team for the ESA Graduate Student Debates, 2001-2003.
- Ecological Society of America (2010-Present)
- Coleopterists Society (2004-Present)
- Midwestern Carabidologists Working Group (2005-Present) founder and chair.
- NCERA-125 CSREES Regional Working Group (2005-Present).
- S1010 CSREES Regional Working Group (2006-Present).

#### ADVISORY PANELS/WORKING GROUPS:

- IOBC Global Working Group: GMO Guidelines Project (2003).
- Expert panel for the biological control of *Diabrotica virgifera*, a subgroup of the Diabro-Act consortium funded by the European Union (2006).
- Advisory Panel for the EPA-funded NCEAS working group to evaluate their meta-database on non-target effects of Bt crops (2006).
- Member of Organizing Committee: Biocontrol in the Americas – Past, Present and Future; Niagara Falls, Ontario, Canada (2010)
- Served on the NIFA grant panel for the Biotechnology Risk Assessment Program (2010)
- Reviewed proposal for the Bi-National Agricultural Research and Development grant panel (2010)
- Reviewed proposal for the Joint Egypt-U.S. bilateral Science and Technology Fund grant panel (2011)
- Reviewed proposal for the grant panel for the Human Frontier Science Program (2011)
- Examiner for PhD Dissertation; Lincoln University, Christchurch, New Zealand (2012)
- Panel manager for the NIFA Biotechnology Risk Assessment Grant Program (2013)

#### SYMPOSIA ORGANIZED (13):

- Lundgren, J.G. and A. Szczepaniec. 2012. Ecological considerations of the rising use of systemic insecticides. ESA national meeting, Knoxville, TN.
- **Lundgren, J.G.** and K.A.C. Wyckhuys. 2011. Biodiversity and biological control. IOBC symposium, ESA national meeting, Reno, NV.
- White, J.A. and **J.G. Lundgren**. 2010. Unseen alliances: microbial symbioses that affect biological control. IOBC symposium, ESA national meeting, San Diego, CA.
- Harwood, J.D. and **J. G. Lundgren**. 2010. Use of generalist predators in biological control. IOBC-NRS meeting, Niagara Falls, Ontario, Canada.
- Peterson, J. A. and **J. G. Lundgren**. 2010. Non-prey consumption by natural enemies and implications for biological control. ESA-NCB meeting, Louisville, KY.
- Hagler, J. and **J. G. Lundgren**. 2009. Genetic and biochemical techniques in gut content analysis of predators. IOBC symposium, ESA national meeting, Indianapolis, IN.

- **Lundgren, J. G.** 2007. Ecological interactions of GM crops and biological control. IOBC-NRS/Mexican Biological Control Society Joint Meeting, Merida, Yucatan, Mexico.
- Weber, D. C., E. Riddick, **J. G. Lundgren**, N. Vandenberg. 2007. Lady beetle linkages. Member Symposium, ESA national meeting, San Diego, CA.
- **Lundgren, J. G.**, & D. C. Weber. 2005. Diversity of trophic relationships of the Carabidae. Section C, ESA national meeting, Fort Lauderdale, FL.
- **Lundgren, J. G.** 2005. Ground beetle ecology in the Midwest: their function and diversity in natural and agricultural habitats. ESA-NCB meeting, West Lafayette, IN.
- **Lundgren, J. G.** & M. Roberts. 2004. Entomology in Prairie Ecosystems. Presented at ESA-NCB meeting, Kansas City, MO.
- Duan, J. J. & **J. G. Lundgren**. 2004. Evaluating the Risk of Genetically Modified Plants to Natural Enemies: Learning from Transgenic Bt Crops. Presented at ESA-NCB meeting, Kansas City, MO.
- **Lundgren, J. G.** & B. Ellingson. 2003. Tritrophic Interactions among Crops, Herbivores, and Their Natural Enemies. Presented at ESA-NCB meeting, Madison, WI.

#### **SUPERVISORY RESPONSIBILITIES (STUDENTS & POST-DOCS):**

- Lucia Pilorget, Master's level research program, University of Rennes, Rennes, France (2008).
- Diane d'Esquerre, Master's level research program, AgroParisTech, Paris, France (2008).
- Dr. Michael Seagraves, Post-doctoral Research Entomologist, Brookings, SD (2008-2010).
- Lorena Pumariño, PhD level graduate student, IRTA, Barcelona, Spain (2010).
- Dr. Beth Choate, Post-doctoral Research Entomologist, Brookings, SD (2011-2012).
- Ryan Schmid, MSc level graduate student, South Dakota State University, Brookings, SD (2011-present)
- Priscila Gomez-Polo, PhD level graduate student, IRTA, Barcelona, Spain (2012).
- Michael Bredeson, MSc level graduate student, South Dakota State University, Brookings, SD (2012-Present).
- Marcin Grabowski, PhD level graduate student, Warsaw University of Life Sciences, Warsaw, Poland (2012).
- Post-doctoral research fellowship- vacant. (2013-2015)
- Post-doctoral research fellowship- vacant. (2013-2015)
- Post-doctoral research fellowship- vacant. (2013-2015)
- Supervised undergraduate senior thesis projects (3).

#### **EDITORIAL RESPONSIBILITIES:**

- Editor for ESA Book and Media Reviews (2005- Present; 153 reviews to date).
- Associate Editor for Environmental Entomology (2008-2009).
- Subject Editor for Environmental Entomology (2009-Present; 11 manuscripts handled).
- Associate Editor for Arthropod-Plant Interactions (2010-Present; 15 manuscripts handled).

**Peer reviewer for 46 journals:** *Agricultural and Forest Entomology, Agronomy Journal, Annales Zoologici Fennici, Annals of the Entomological Society of America, Applied Entomology and Zoology, Arthropod-Plant Interactions, Australian Journal of Entomology, BioControl, Biological Control, Biology Letters, Bulletin of Entomological Research, Crop Protection, Ecological Entomology, Ecological and Environmental Safety, Ecosphere, Ecotoxicology, Entomological News, Entomological Science, Environmental Entomology, Environmental Sciences Europe, ESA Book and Media Reviews, European Journal of Entomology, Evolutionary Applications, Experimental and Applied Acarology, FEMS Microbiology Ecology, Florida Entomologist, The Great Lakes Entomologist, International Journal of Pest Management, International Journal of Tropical Insect Science, Italian Journal of Zoology, Journal of Animal Ecology, Journal of Applied Entomology, Journal of Asia-Pacific Entomology, Journal of Economic Entomology, Journal of Entomological Science, Journal of Insect Behavior, Journal of Insect Science, Journal of Pest Science, Molecular Ecology, Molecular Ecology Resources, Oecologia, Pesticide Biochemistry and Physiology, Phytoparasitica, Transgenic Research, Weed Research.*

## **OUTREACH/TEACHING EXPERIENCE:**

### **OUTREACH**

- ***Interviewed dozens of times by local, regional, and national newspapers, websites, magazine, radio, and television outlets regarding insect biology and conservation, and pest management.***
- Write the *Insect Spotlight*, a monthly 500-word column on insect biology and pest management in regional newspapers from North Dakota to Texas, including the Aberdeen Farm Forum, Midwest Producer, Brookings Register, Tri-State Neighbor, Yankton Press & Dakotan, Groton Independent, High Plains Journal and Watertown Public Opinion newspapers (total circulation 185,020; total readership over 600,000)(Since 4/2005; 69 articles to date).
- Regular panelist on the live South Dakota State University Extension television program “Garden Line”, which focused on answering questions from callers.
- Regularly interact with producers and stakeholders in personal meetings and at field days regarding pest management solutions.
- Participated in five biodiversity blitzes in IL and SD.
- Judged projects for the State Science Fair, 2003, 2005-2008, 2010-2012.
- Participated in Insect Expo, Illinois Natural History Survey, 2001-2002.
- Participated in the Purple Loosestrife Educational Program, Illinois Natural History Survey, 2001.
- Hosted the “Bugs don’t bug us” day camp for grade school girls, Girl Scout Council of St. Croix Valley, MN, 2000.

### **TEACHING**

- Taught the course BIOS/PS/NRES 792 “New Developments in Biodiversity”, South Dakota State University, fall 2012.
- Taught the course BIOS/PS 792 “Current Trends in Symbioses”, South Dakota State University, spring 2012.

- Organized and instructed the short-course “Biodiversity and Biological Control”. IOBC Education Curriculum, Cali, Colombia, 2011.
- Organized and instructed the short-course “Basic and Applied Ecology of the Coccinellidae”. IOBC Education Curriculum & Midwest Biological Control Institute, Amboy, IL, 2009.
- Organized and instructed the short-course “The Natural History and Taxonomy of the Carabidae”. IOBC Education Curriculum & Midwest Biological Control Institute, Brookings, SD, 2006, 2008, 2012.
- Guest lecture for HO240, Vegetable Crops (SDSU; 2007); Insect Ecology and Biological Control (SDSU; 2010).
- Taught a workshop on Carabidae Taxonomy, University of Maine, 2006.
- Teaching Assistant. IWIN course on field entomology. Illinois Natural History Survey, 2002.
- Teaching Assistant. ENT321 Biological Control, University of Illinois, 2001.
- Teaching Assistant. ENT5341 Biological Control of Insects and Weeds, University of Minnesota, 2000.

#### **AWARDS AND HONORS:**

- Early Career Innovation Award, Entomological Society of America, 2011 (\$1k).
- Presidential Early Career Award for Science and Engineering; US Government’s highest national award, 2010 (\$25k).
- Herbert L. Rothbart Outstanding Early Career Research Scientist Award, USDA-ARS’s highest national award, 2010 (\$29k).
- Biological Resource Management for Sustainable Agricultural Systems Fellowship. Organization for Economic Cooperation and Development, 2006, (\$6.6k).
- USDA Certificate of Merit, Superior Performance Annual Appraisals, 2006- 2010; Outstanding Performance Annual Appraisal, 2011.
- William H. Luckmann Graduate Student Award. Illinois Natural History Survey, 2004.
- Outstanding Graduate Student in Biological Control. IOBC–Nearctic Region, 2003.
- Graduate Fellowship from the Department of Entomology, University of Illinois, 2001.
- Allan Peterson Academic Achievement Award, Department of Entomology, University of Minnesota, 2000.

#### **GRANTS AND CONTRACTS**

- *\$2.6 million awarded from external sources*
- *\$8.1 million awarded internally*

**USDA-ARS Postdoctoral Research Associate Program.** An Ecological Safety Assessment of RNAi to Non-target Organisms. **J. G. Lundgren** (2013–5; \$100k).

**NIFA-Impacts of Regional Bioenergy Feedstock Production Systems on Wildlife and Pollinators.** Promoting pollinators and other beneficial insects through bio-oil production. F. Forcella, **J.G. Lundgren** (Co-PI), R. Gesch, S. Weyers, J. Johnson, W. Riedell, S. Papiernik, and S. Osborne (2012-2015; \$500k).

**NIFA- Biotechnology Risk Assessment Program.** An adaptive framework for non-target risk assessment of RNAi-based, insect resistant GM crops. **J.G. Lundgren** (PI) (2012-2015; \$497k).

**USDA-ARS, National Program 304.** Ecologically based pest management in modern cropping systems. **J. G. Lundgren** (Lead scientist), R. Anderson, W. French, and L. Hesler (2011-2016; \$8.1 million awarded).

**South Dakota Soybean Research and Promotion Council.** Investigation of questionable pest management benefits resulting from seed treatments of soybeans. **J. G. Lundgren** and M. P. Seagraves (2010; \$15k awarded).

**Monsanto Company.** Development of a test system for the beneficial ground beetle, *Poecilus chalcites*. **J. G. Lundgren** (2010-13; \$85k awarded).

**USDA-ARS-Office of Technology Transfer.** Funding for the International Organization for Biological Control's Meeting "Biocontrol in the Americas". **J. G. Lundgren** (2010; \$3k awarded).

**BARD; Binational Agricultural Research and Development Fund.** Biological control of cereal aphids in wheat: implications of alternative foods and intraguild predation. **J. G. Lundgren**, M. Coll, M. Seagraves, and J. D. Harwood (2010-13; \$320k awarded).

**AFRI, Plant Biosecurity Program.** South Dakota county risk assessment model for corn insect pests. Fausti, S. (PI), Lundgren, J.G. (Co-PI), Catangui, M. (Co-PI). (2010-11; \$149k awarded).

**Czech Science Foundation.** Factors of seedling establishment in dandelion, *Taraxacum* sect. *ruderalia*. P. Saska (Lead PI), Z. Martinková (Co-PI), A. Honěk (Co-PI), V. Pavlů (Co-PI), L. Pavlů (Co-PI) and **J. G. Lundgren** (international collaborator) (2009-14; \$180k awarded).

**SD Agricultural Experiment Station.** Biological control of corn rootworm in long-term continuous corn and stacked corn at the Dakota Lakes Research Farm. B. Fuller, D. Beck, W. Riedell, **J. Lundgren**, and B. McManus (2008-9; \$47k awarded).

**NC IPM.** Predation of immature corn rootworms by subterranean mites. D. Prischmann and **J. G. Lundgren** (2008-9; \$10k awarded).

**USDA-ARS Postdoctoral Research Associate Program.** Biodiversity as a source of pest management in soybeans. **J. G. Lundgren** (2008-9; \$100k).

**USDA-ARS-Office of Technology Transfer.** 2006. Funding for the short course Natural History and Taxonomy of the Carabidae. **J. G. Lundgren** (\$2.1k)

**KAPTO Incorporated.** Product development for their capsaicin-based pesticide for use against soybean insect pests. **J. G. Lundgren** (2005; \$1.5 k)

**University of Illinois Research Board.** The influence of ground beetles on weed communities in organic-transition agroecosystems. Masiunas, J. B. (PI), and **J. G. Lundgren** (Co-PI). (2004; \$9k).

**USDA, CSREES. Integrated research, education, and extension competitive grants program- IPM.** Cropping intensity and organic amendments in transitional farming systems: effects on soil fertility, weeds, diseases, and insects. Eastman, C. E. (PD), M. Bazik, D. A. Cavanaugh-Grant, L. R. Cooperband, D. M. Eastburn, **J. G. Lundgren** (Co-PD), J. B. Masiunas, J. T. Shaw, M. M. Wander, and E. R. Zaborski. (2003-7; \$483k)

**Monsanto Company. Lundgren, J. G.** and R. N. Wiedenmann. Helped to negotiate \$90k+ in funds for research (2001-3)

**Minnesota Department of Agriculture: Biological Control Program.** Integration of biological control strategies for suppression of lepidopteran crucifer pests. **Lundgren, J. G.** (PI) and G. E. Heimpel. (2000; \$32k)

**North American Pesticide Impact and Assessment Program.** Biological control of cole crop pests. Heimpel, G. E., and **J. G. Lundgren** (Co-PI). (1999–2000; \$17k)

### INVITED PRESENTATIONS (63)

**Lundgren, J. G.** and M. P. Seagraves. 2012. Direct effects of systemic seed treatments on omnivorous natural enemies: When predators dine at the salad bar. Entomological Society of America, Knoxville, TN.

**Lundgren, J. G.** 2012. Combating pests with ecological approaches: conservation biological control of the corn rootworm. Entomology Seminar Series, NDSU, Fargo, ND.

**Lundgren, J. G.** 2012. The importance of biodiversity in pest management. USDA-ARS-NGPRL, Mandan, ND.

*Schmid, R.*, R. M. Lehman and **J. G. Lundgren**. 2012. The importance of symbiosis for defining insect diet and trophic position. Entomological Society of American- North Central Branch, Lincoln, NE.

**Lundgren, J. G.** 2012. Managing habitats to promote biological control in agroecosystems. USDA-ARS-NPARL, Sidney, MT.

**Lundgren, J. G.** 2012. IPM in modern crop production: what have we learned from the past? Plant Science Department/USDA-ARS-NCARL, Brookings, SD.

**Lundgren, J. G.** 2012. Rising insecticide use rates: What pests are we aiming at? No-Till on the Plains Winter Conference, Salina, KS.

**Lundgren, J. G.** 2012. Managing cropland for ecosystem services: A case study of generalist predators in corn. Department of Entomology, Pennsylvania State University, State College, PA.

**Lundgren, J. G.** 2011. Biodiversity and biological control from an omnivore's perspective. IOBC-NRS Symposium at the Entomological Society of America, Reno, NV.

**Lundgren, J. G.** 2011. Vegetational diversity and reproductive success of an omnivorous bug. Universidad del Valle, Calí, Colombia.

**Lundgren, J.G.** 2011. The value of ecosystem services in smallholder-based farming: biodiversity and pest management as a case study. International Center for Tropical Agriculture (CIAT), Calí, Colombia.

**Lundgren, J.G.** 2011. No-till and conserving natural enemies of pests. No-till on the Plains Winter Conference, Salina, KS.

**Lundgren, J.G.** 2010. Conserving beneficial insects in cropland. No-till Clinic, SD State University Extension Service, Mitchell, SD.

**Lundgren, J.G.** 2010. Managing generalist predator communities within agroecosystems. School of Animal Biology, University of Western Australia, Perth, AU.

**Lundgren, J.G.** 2010. Managing generalist predator communities within agroecosystems: corn as a model system. Department of Entomology Seminar Series, Purdue University, West Lafayette, IN.

**Lundgren, J.G.** 2010. The importance of omnivory in the ecology of generalist predators. IOBC Meeting, Niagara Falls, Ontario, Canada.

- Lundgren, J. G.** 2010. Managing generalist predator communities in agroecosystems. School of Biological Sciences, University of Canterbury, Christchurch, NZ.
- Lundgren, J.G.** 2010. Managing biodiversity to improve pest management: a case study involving biological control of corn rootworms. Department of Entomology Seminar Series, University of Delaware, Newark, DE.
- Lundgren, J.G.** 2010. Managing corn rootworms using generalist predators and winter cover crops. USDA-ARS, IIBBL Seminar Series, Beltsville, MD.
- Lundgren, J.G.** 2010. The ecology underlying insect management. Keynote speaker at the Zero-Tillage Conference, Minot, ND
- Lundgren, J.G.** 2010. Biological control of corn rootworms using vegetational diversity. USDA-ARS, ALARC Seminar Series, Maricopa, AZ
- Lundgren, J.G.** 2010. The importance of plant diversity in cropland in supporting biological control of insect pests. Sustainable Agriculture Seminar Series, Iowa State University, Ames, IA.
- Lundgren, J.G.** and R. M. Lehman. 2010. The role of facultative gut symbionts in extending the dietary breadth of generalist predators. IOBC-NRS Symposium at the Entomological Society of America, San Diego, CA
- Lundgren, J. G.** and R. M. Lehman. 2010. Seed feeding by ground beetles: new insights on related physiology and behavior. Entomological Society of America-NCB, Louisville, KY.
- Lundgren, J. G.** 2009. Ecological complexity in pest management: managing the corn rootworm using generalist predator communities. Department of Entomology, University of Kentucky, Lexington, KY.
- Lundgren, J. G.** 2009. Managing farms for biological control: generalist predators and corn rootworms. Department of Entomology Seminar Series, University of Arkansas, Fayetteville, AR.
- Lundgren, J. G.** 2009. The importance of non-prey foods to entomophagous insects: coccinellids as a case study. 1<sup>st</sup> International Entomophagous Insects Conference, Minneapolis, MN.
- Lundgren, J.G.** 2009. Managing insect pests ecologically: the importance of biodiversity in farmland. Drought Center, South Dakota State University, Brookings, SD.
- Lundgren, J. G.** and J. D. Harwood. 2009. Diverse consumption of insects and weed seeds by granivorous omnivores. Oral presentation, Weeds and Biodiversity Workshop of the European Weed Research Society, Lleida, Spain.
- Lundgren, J. G.** and D. C. Weber. 2009. Unraveling the nutritional ecology of an omnivorous coccinellid using molecular techniques. 3<sup>rd</sup> International Symposium for the Biological Control of Arthropods, Christchurch, NZ.
- Lundgren, J. G.,** D. C. Weber and M. Greenstone. 2009. Advancing PCR-based gut content analysis of predators under field conditions: new approaches to increase its relevancy to biological control. Oral Presentation, ESA Annual Meeting, Indianapolis, IN.
- Naranjo, S.N., J.J. Duan, **J.G. Lundgren,** M. Marvier. 2009. Meta-analysis and comparison of laboratory and field non-target studies in Bt crops. Oral presentation, ESA Annual Meeting, Indianapolis, IN.
- Weber, D. C., B. Pfannenstiel, and **J. G. Lundgren.** 2009. Diel predation pattern assessment and exploitation of sentinel prey: New interpretations of community and individual behaviours. 3<sup>rd</sup> International Symposium for the Biological Control of Arthropods, Christchurch, NZ.



- Seagraves, M. P. and J. G. Lundgren. 2009. Factors affecting Orius insidiosus oviposition decisions: plant quality and the presence of food resources. 1<sup>st</sup> International Entomophagous Insects Conference, Minneapolis, MN.*
- Lundgren, J. G.** 2008. Diel predation patterns of predator communities: Melding ecological and molecular tools. Oral presentation, ESA Annual Meeting, Reno, NV.
- Lundgren, J. G.** 2008. Pest management benefits of biodiversity. National Resource and Conservation Service Plant and Soil Science Workshop, Brookings, SD.
- Lundgren, J. G.** 2008. Vegetational diversity and biological control. South Dakota Weed and Pest Conference, Huron, SD.
- Lundgren, J. G.** 2008. Non-prey foods of carnivorous insects: insights into the evolution of herbivory. North Central Soil Conservation Research Laboratory, USDA-ARS, Morris, MN.
- Duan, J. J., R. Rose, **J. G. Lundgren**, S. Naranjo, and G. P. Dively. 2007. Design of laboratory Tier I studies for environmental risk assessment: learning from meta-analysis of published NTO studies of Bt crops. Oral Presentation, ESA Annual Meeting, San Diego, CA
- Lundgren, J. G.** 2007. The importance of non-prey foods to the life history of coccinellids. Oral Presentation, ESA Annual Meeting, San Diego, CA
- Weber, D. C., **J. G. Lundgren.** 2007. Using molecular techniques to help understand coccinellid feeding dynamics. Oral Presentation, ESA Annual Meeting, San Diego, CA
- Lundgren, J. G.** 2007. Herbicide-tolerant crops and biological control: the role of plant diversity in supporting natural enemies. Oral Presentation, IOBC-NRS Meeting, Merida, Mexico.
- Lundgren, J. G.** 2007. Pollinivory and the ecological risk assessment of GM corn. Agroscope Reckenholz, Zurich, Switzerland.
- Lundgren, J. G.** 2007. Seeing beneath the soil: predator-prey interactions involving *Diabrotica virgifera* immatures. CABI BioScience Swiss Center, Delemont, Switzerland.
- Lundgren, J. G.** 2007. Sticky, toxic blood: Predator interactions with western corn rootworm larvae. NCARL/Plant Science Department, SDSU, Brookings, SD.
- Lundgren, J. G.** 2006. The role of transitional foods in the evolution of herbivory in insects. Department of Biological Sciences, University of Maine, Orono, ME.
- Lundgren, J. G.** 2006. The evolution of herbivory in insects: Lessons from non-prey foods of entomophagous species. Department of Entomology, University of Nebraska, Lincoln, NE.
- Lundgren, J. G.** 2006. The evolution of herbivory in insects: Lessons from non-prey foods of entomophagous species. Insect Biological Control Laboratory Seminar Series, USDA-ARS, Beltsville, Maryland.
- Duan, J. J., M. S. Paradise, C. R. Brown, **J. G. Lundgren**, R. N. Wiedenmann. 2005. Evaluation of the impact of transgenic Bt corn expressing Cry3Bb1 protein on non-target ground beetles. Oral presentation, ESA Annual Meeting, Fort Lauderdale, FL.
- Lundgren, J. G., J. Chee-Sanford, M. Lehman.** 2005. The role of gut microfauna in ground beetle feeding habits. Oral presentation, ESA Annual Meeting, Fort Lauderdale, FL.
- Duan, J. J., M. S. Paradise, & **J. G. Lundgren.** 2005. Effects of E-64 proteinase inhibitor on larvae of the ground beetle *Poecilus chalcites*: implications for tier-I non-target organism testing for risk assessment of transgenic crops. ESA-NCB meeting, West Lafayette, IN.
- Lundgren, J. G.** 2005. Farm management intensity and biological control. ESA-NCB Meeting, West Lafayette, IN.
- Lundgren, J. G.** 2005. Farm management intensity and biological control. Plant Science Department, South Dakota State University, Brookings, SD.

- Lundgren, J. G.** 2005. Pollen-feeding by the predator, *Coleomegilla maculata*, and its implications for ecological risk assessments of transgenic crops. Department of Biology and Microbiology seminar series, South Dakota State University, Brookings, SD.
- Lundgren, J. G.** 2005. Pollen-feeding by the predator, *Coleomegilla maculata*, and its implications for ecological risk assessments of transgenic crops. Northern Crop Sciences Laboratory, USDA-ARS and Department of Entomology, North Dakota State University, Fargo, ND.
- Lundgren, J. G.** 2004. Pollen-feeding by the predator, *Coleomegilla maculata*, and its implications for ecological risk assessments of transgenic crops. Department of Entomology seminar series, University of Kentucky, Lexington, KY.
- Lundgren, J. G.** 2004. Biological Control of Insects and Weeds: Integrating Biological Control with Transgenics and Farm Management Practices. Center for Ecological Entomology, Illinois Natural History Survey, Champaign, IL.
- Lundgren, J. G.** 2004. Efforts in Incorporating Biological Control into IPM Systems. Northern Grains Insects Research Laboratory, USDA-ARS, Brookings, SD.
- Lundgren, J. G.** 2004. Pollen-feeding by the predator, *Coleomegilla maculata*, and its implications for ecological risk assessments of transgenic crops. Department of Entomology Seminar Series, Purdue University, West Lafayette, IN.
- Lundgren, J. G.** & R. N. Wiedenmann. 2004. Transgenic insecticidal corn pollen and *Coleomegilla maculata*. Monsanto Company Seminar Series, St Louis, MO.
- Lundgren, J. G.** and R. N. Wiedenmann. 2004. Assessing the risk of bi-trophic interactions between *Bt* crops and natural enemies: a case study involving pollen-feeding by *Coleomegilla maculata*. ESA-NCB Meeting; Kansas City, MO.
- Lundgren, J. G.**, and R. N. Wiedenmann. 2003. Assessing the risk of ingesting prey fed on insecticidal corn to *Coleomegilla maculata*. ESA-NCB Meeting; Madison, WI.
- Lundgren, J. G.**, and G. E. Heimpel. 2002. Augmentation of *Trichogramma brassicae* for control of cruciferous Lepidoptera. Invited Oral Presentation, 1<sup>st</sup> International Symposium on the Biological Control of Arthropods; Honolulu, HA.

#### CONTRIBUTED PRESENTATIONS AT RECENT PROFESSIONAL MEETINGS (32):

- Prager, S. M., X. Martini, **J. G. Lundgren**, C. Nansen. 2012. Spider mite (*Tetranychus cinnabarinus*) infestations reduce *Bt* toxin concentration in corn leaves and predators avoid spider mites that have fed on *Bt* corn. ESA Annual meeting, Knoxville, TN.
- Choate, B. A., **J. G. Lundgren**. 2012. How far do insects move? Understanding predator movement throughout agricultural fields using immunomarking. ESA Annual Meeting, Knoxville, TN.
- Schmid, R. B., **J. G. Lundgren**, and R. M. Lehman. 2012. Effect of the gut symbiont *Enterococcus faecalis* on seed consumption by *Harpalus pensylvanicus*. ESA Annual Meeting, Knoxville, TN.
- Choate, B. A., **J. G. Lundgren**. 2011. The influence of sugar availability on aphid consumption by *Coleomegilla maculata*. ESA Annual Meeting, Reno, NV.
- Weber, D.C., **J. G. Lundgren**. 2010. Lunch was great but what's for dinner? The effect of prior diet on ingestion and digestion by adult *Coleomegilla maculata* (Coleoptera: Coccinellidae). ESA Annual Meeting, San Diego, CA.

- Peterson, J.A., S.A. Romero, **J. G. Lundgren**, J.D. Harwood. 2009. Effect of anthesis on prey availability at linyphiid spider webs and implications for transgenic crop risk-assessment. ESA Annual Meeting, Indianapolis, IN.
- Seagraves, M. P. and **J. G. Lundgren**. 2008. Impact of non-crop patches on soybean aphid predation. Poster presentation, ESA Annual Meeting, Reno, NV.
- Prischmann, D., **J. G. Lundgren**, K. Dashiell. 2008. Mites as predators of immature corn rootworms (*Diabrotica* sp.). Poster presentation, ESA Annual Meeting, Reno, NV.
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