

Kevin P. Durden

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INTERESTS

Cicadellidae vectoring viruses to rubric species, small fruit production, and plant based insecticides.

PROFESSIONAL PREPARATION

University of Arkansas, will complete PhD., Entomology, May, 2114

Missouri State University, Master of Science, Plant Science, IPM, December 2009

Drury University, Bachelor of Science, Biology, December 2007

Southwest Missouri State University, Bachelor of Science, Industrial Management, May 1997

PUBLICATIONS

Pszczolkowski, M., **Durden, K.**, Sellars, S., Cowell, C., & Brown, J. (2011) Effects of *Ginkgo biloba* Constituents on Fruit-Infesting Behavior of Codling Moth (*Cydia pomonella*) in Apples J. Agri. Food Chem. 59(20): 10879-10886.

Durden, K., Sellars, S., & Pszczolkowski, M. (2009). Preventing fruit infestation by codling moth neonates with Artemisia extracts Pestycydy/Pesticides 1(4): 51-56.

Pszczolkowski, M., **Durden, K.**, Marquis, J., Ramaswamy, S., & Brown, J., (2009) Pharmacological analysis of feeding in a caterpillar: different transduction pathways for umami and saccharin? Naturwissenschaften 96 (5): 621-624.

Durden, K., Brown, J., Pszczolkowski, M., (2008) Extracts of *Ginkgo biloba* or Artemisia species reduce feeding by neonates of codling moth, *Cydia pomonella* (Lepidoptera: Tortricidae), on apple in a laboratory bioassay. J. Entomol. Soc. British Columbia. 105: 83-88.

PRESENTATIONS

Durden, K., Avila C., Klee H., Tieman, D., & Goggin F. (2011) Comparison of the impact of lipoxygenase C and Fatty acid desaturase 7 on insect performance on tomato. Southeastern Branch Meeting of the Entomological Society of America, San Juan, Puerto Rico, March 18-22. (Poster presentation and Abstract)

Durden, K., Sellars, S., Cowell, B., & Pszczolkowski, M., (2009) Effects of extracts from *Artemisia absinthium* on fruit infestation by codling moth neonates. Entomological Society of America Annual Meeting, Indianapolis, IN, December, 13-16. (Oral presentation and Abstract)

Durden, K., Sellars, S., & Pszczolkowski, M., (2009) Preventing Fruit Infestation by codling moth neonates with Artemisia extracts. VI International Conference on Arthropods. Stefan Kopec Memorial Conference, Ochotnica Dolna, Poland, EU, June. (Poster presentation and Abstract)

Durden, K., Sellars, S., & Pszczolkowski, M., (2009) Effects of Artemisia extracts on feeding in *Cydia pomonella*, Entomological Society of America, North Central Branch Annual Meeting, St Louis, MO, March 15. (Poster presentation and Abstract)

Marquis, J., **Durden, K.**, & Pszczolkowski, M., (2007) Feeding in codling moth neonates exposed to enantiomers of aspartic acid, Entomological Society of America, Annual Meeting, San Diego, CA, December 9-12. (Poster presentation and Abstract)

Durden, K. *Juniperus virginiana*: variances of soil pH, in an abandoned quarry. Senior research presentation, Drury University, May, 2007. (Oral presentation)

WORK EXPERIENCE

University of Arkansas

319 Agriculture Building, Fayetteville, AR 72701; (479) 575-2451

Graduate Research Assistant: (7-11 to present) Conducted research into relationship of leafhopper (Cicadellidae) vectors to viruses associated with the Blackberry Yellow Vein Disease complex. Identified viruses, and vectors associated with BbYV. Developed control strategy for the prevention of spreading BbYV in blackberry. (7-10 to 7-11) Worked on Aphid response to various plant defense mechanisms.

Missouri State University

9740 Red Spring Road, Mountain Grove, MO 65711. (417) 926-7540

Graduate Research Assistant: Conducted research into feeding behavior of codling moth (*Cydia pomonella*) neonates. Designed bioassay, performed HPTLC to separate chemical constituents of extract for evaluation as feeding deterrents, procured new equipment, conducted annual inventory of laboratory chemicals, updated MSDS logs, supervised undergraduate and graduate students, communicated on differing levels the ongoing research programs of the lab. 2007-2009

MFA Feed and Fertilizer

8990 First Road, Mountain Grove MO 65711. (417) 926-5900

Safety Inspector: Conducted daily inspections of powered industrial trucks, monthly facilities inspections, performed maintenance, developed monthly maintenance logs, other tasks necessary to conduct business for our patrons, supervised night cleaning projects. 2007-2009.

Norwood R-1 School District

675 N. Hawk Ave., Norwood, MO 65717 (417) 746-4101

Health Teacher: Provided students with a framework of skills and information necessary to become healthy adults. 2005-2006.

Paraprofessional: Assisted in the instruction of students with special needs. Interacted with coworkers and parents to develop and implement curriculum allow students to achieve goals. 2001-2007.

Bus Driver: Transported students. Performed daily safety inspection. Cleaned Bus. 2001 – 2007.

AWARDS, GRANTS AND HONNORS

Graduate Research Assistantship, University of Arkansas, 2010 to present, tuition and stipends totaling approximately \$40,000.

Charles G. Lincoln Fellowship, 2010, \$5,000.

Graduate Research Assistantship, Missouri State University, 2008-2009, tuition, fees and stipends totaling approximately \$30,000.

Thesis Funding Award, Graduate College, \$500

PERSONAL INTERESTS

I am an avid photographer, enjoy spending time out of doors, riding bicycles, restoring and occasionally riding my classic BMW motorcycle.

REFERENCES

Donn T. Johnson, Professor, University of Arkansas, 319 Agriculture Building, Fayetteville AR 72701 (479) 575-2501

Rob Wiedenmann, Professor, Head of Department of Entomology, University of Arkansas, 319 Agriculture Building, Fayetteville AR 72701 (479) 575-2476
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Brad Hadley, Conservation Agent, Missouri Department of Conservation, Adjunct Professor, Drury University, Birch Tree, MO 65438-0181, (573) 292-8540
Brad.Hadley@mdc.mo.gov

Maciej Pszczolkowski, Integrated Pest Management, Assistant Research Professor, 9740 Red Spring Road, Mountain Grove, MO 65711 (417) 547-7507
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Anson Elliott, Head of Agriculture Department, Missouri State University, 9740 Red Spring Road, Mountain Grove, MO 65711 (417) 547-7501
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