

CURRICULUM VITAE

Matthew D. Aubuchon

Department of Entomology and Nematology
Building 970, Natural Area Drive
P.O. Box 110620
Gainesville, FL 32611-0620

Telephone: (352) 392-2326
email: aubuchon@ufl.edu

Education

1996: Bachelor of Science, Indiana University, GPA: 3.50

2001: Masters of Science, Auburn University, GPA: 3.80

2001 – present: PhD. Student at the University of Florida

Academic Advisor: Dr. Phil G. Koehler, Department of Entomology and Nematology

M.S. Thesis Title: “Efficacy of S-methoprene bait for control of the red imported fire ant (*Solenopsis invicta*) and treatment impact on non-target arthropods in grazed pastures”

Relevant Employment

Field Assistant. Weed Patrol Inc., Elkhart, IN. May-August 1995. Preliminary field training for aquatic applicator position; field assistant; posted public notice of lake treatments.

Research Assistant. Center for Policy Alternatives, Washington, DC. September-December 1995. Assisted with organizing campaigns and symposia on environmental issues.

Aquatic Applicator. Weed Patrol Inc., Elkhart, IN. May-August 1996; 1997. Licensed aquatic applicator in Michigan and Indiana; surveyed and mapped lakes infested with exotic plants; collected and identified samples of aquatic macrophytes and algae; conducted lake and pond treatments for management of pest plants; responsible for proper application of restricted-use aquatic herbicides; field-crew leader.

Laboratory Technician. Department of Entomology. Auburn University. August-December 1997. Maintained ant colonies; assisted with fieldwork for fire-ant research; conducted laboratory bait tests for argentine-ant research.

Non-degree Related Research and Extension

Collected, sorted, and classified samples of *Culicoides* spp. for research project on bluetongue disease in cattle and epizootic hemorrhagic disease in white-tailed deer. Supervisor: Gary Mullen.

Collected samples of *Culex* spp. for West Nile Virus project; built lab and field equipment. Supervisor: Gary Mullen.

Teaching Experience

E300: *Environmental Science*. School of Public and Environmental Affairs, Indiana University. January 12 – May 5, 1997. Designed and graded weekly writing assignments and exams; led discussion groups.

ENT 502: *Economic Entomology*. Department of Entomology and Plant Pathology, Auburn University. Spring 2000. Prepare and present lab materials and specimens for undergraduate students; graded insect collections.

Research Support

Graduate Teaching Assistantship, Department of Entomology and Nematology.

Publications (refereed)

Aubuchon, M.D., G.R. Mullen, and M.D. Perdue (in preparation). Efficacy of broadcast and perimeter applications of S-methoprene for control of the red imported fire ant (*Solenopsis invicta*) (for Journal of Economic Entomology)

Publications (non-refereed)

Oi, F.M. and M.D. Aubuchon. 1998. Yellow Jackets, Wasps, and Hornets. Alabama Cooperative Extension System. ANR-1134 (1-4): Contributed life history summary and treatment options for *Vespula* spp.

Aubuchon, M.D., G.R. Mullen, and M.D. Perdue. 2000. Efficacy of broadcast and perimeter applications for S-methoprene for control of the red imported fire ant. Proceedings of the 2000 Imported Fire Ant Conference; the University of Tennessee, April 5-7, 2000, Chattanooga, TN (pp: 97-102).

Aubuchon, M.D., G.R. Mullen, and M.D. Perdue. 2000. Keeping the mounds down; insect growth regulator may control fire ants in grazed pastures. Alabama Agricultural Experiment Station, Highlights of Agricultural Research, Vol. 47 (3): 3-4.

Presentations at Professional Meetings

Aubuchon, M.D., G. R. Mullen, M. D. Perdue. Efficacy of Broadcast and Perimeter Applications of S-methoprene for control of the Red Imported Fire Ant. Entomological Society of America, Annual Meeting, Atlanta, GA, Dec. 1999 [Poster].

Aubuchon, M.D., G. R. Mullen. Efficacy of Broadcast and Perimeter Applications of S-methoprene for the control of the Red Imported Fire Ant. Southeastern Branch of the Entomological Society of America. Mobile, AL, Mar. 2000 [10-minute paper].

Aubuchon, M.D., G. R. Mullen. (2000) Efficacy of Broadcast and Perimeter Applications of S-methoprene for the control of the Red Imported Fire Ant. Annual Red Imported Fire Ant Conference. Chattanooga, TN, Apr. 2000 [12-minute paper].

Aubuchon, M.D., G. R. Mullen. (2000) Efficacy of Broadcast and Perimeter Applications of S-methoprene for control of the Red Imported Fire Ant. Annual Graduate Student Research Forum. Auburn University, AL, May 2000 [15-minute paper].

Aubuchon, M. D., G. R. Mullen, M. D. Perdue, and A. E. Williams. Impact of Methoprene Treatments for Fire Ants in Grazed Pastures on the Associated Arthropod Community. Entomological Society of America, Annual Meeting, Montreal, Canada, Dec. 2000 [Poster].

Aubuchon, M. D., G. R. Mullen, M. D. Perdue, and A. E. Williams. Effects of Methoprene Treatments for Fire Ants on Non-Target Arthropods in Grazed Pastures. Southeastern Branch of the Entomological Society of America. Augusta, GA, Mar. 2001 [10-minute paper].

Professional Memberships

Entomological Society of America, 1997-present.

Gamma Sigma Delta, The Honor Society of Agriculture, Auburn University Chapter, 2000.

Professional Activities

Chair, Student Activities Committee Southeastern Branch of the Entomological Society of America, 1999-2000. Coordinated and oversaw committee activities and functions. Updated Southeastern Branch Guidelines for future SAC members.

Member of Student Activities Committee, Entomological Society of America (SAC ESA), December 1999-present. Assist with organizing the Student Debate and Student Survey.

Chair, SAC ESA Website Subcommittee, 2000-2002. Coordinated with ESA webmasters to make student survey accessible on the ESA website.

Student liaison to national ESA Fellows Committee, 2000-2002.

Student liaison to ESA Awards Committee, 2000-2002.

Captain, Auburn University Linnaean Team, SEB/ESA Competition, Mobile, AL (Feb. 1999; Feb. 2000). Team member 1999, 2000.

Team member, Auburn University Linnaean Team, SEB/ESA 2001 Champions, Augusta, GA.

Entomological Presentations in Local Schools

- Dean Road Elementary School. Auburn, AL. 12 April 1998. 60-minute presentation.
- Child Study Center. Auburn University. 28 April 1998. 60-minute presentation.
- Village School (Elementary). Auburn, AL. 4 June 1998. 45-minute presentation.
- Child Study Center. Auburn University. 28 April 1999. 45-minute presentation.
- First Baptist Church (Daycare). Auburn, AL. 4 May 1999. 60-minute presentation.
- Jeter Primary School. Opelika, AL. 14 May 1999. 75-minute presentation.
- Dean Road Elementary School. Auburn, AL. 17 May 1999. 90-minute presentation.
- Loachapoka Elementary School. Loachapoka, AL. 25 June 1999. 90-minute presentation.
- Mommy and Me (Daycare). Auburn, AL. 15 October 1999. 90-minute presentation & field trip.

- Alabama State Fair. Montgomery, AL. 15 October 1999. Maintained fire-ant education booth for 3 hours.
- Village School (Elementary). Auburn, AL. 22 October 1999. 45-minute presentation .
- Beauregard Elementary. Opelika, AL. 16 May 2000. 60-minute presentation.
- Children First Preschool. Auburn, AL. 18 July 2000. 60-minute presentation.
- Alabama State Fair. Montgomery, AL. 9 October 2000. Maintained fire-ant education booth for 6 hours.

Honors and Awards

Graduated with Distinction, Indiana University, School of Public and Environmental Affairs, December 1996.

F.S. Arant Entomology Scholarship, Auburn University, Department of Entomology, 1998-99; \$2,800.

2000 Outstanding M.S. Graduate Student Award, Auburn University, Department of Entomology & Plant Pathology, 2000; \$200.

Certificate of Excellence, 10th Annual Graduate Student Research Forum, Auburn University Graduate Student Council, 2000.

The National Geographic Society Award, British Cartographic Society Annual Symposium, Oxford-Brooks University, UK, 2000; Certificate, “National Geographic Satellite Atlas of the World”; \$500. [International award recognizing practical applications of mapping techniques and GPS/GIS in student research].

College of Agriculture Travel Award, Auburn University, College of Agriculture Experiment Station, 2000; \$600. [Award through the Office of International Agricultural Affairs supported travel to Oxford-Brooks University, UK].

Graduate Student Travel Award, Graduate School, Auburn University, 2000; \$350. [Award through Graduate School supported travel to Entomological Society of America annual meetings in Montreal, Canada].

Kirby L. Hays Award 2000, Southeastern Branch of the Entomological Society of America (SEB ESA), Augusta, GA, 2001; ESA Plaque; \$250. [Nominated and selected by SEB Student Awards Committee as most-outstanding MS Entomology student among nine departments].

2000-2001 List of Top 10 Master’s Students at Auburn University & Recipient of the Graduate Dean’s Award for Excellence; Graduate School, Auburn University, 2001; Plaque. [Nominated and selected by a special committee of the Auburn University Graduate Council recognizing ten distinguished masters students campus-wide].