

Aaron J. Mullins
Sr. Biological Scientist
Department of Entomology and Nematology
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Education:

University of Florida 2008
Master of Science in Entomology Florida

Virginia Tech 1998
Bachelor of Science Virginia

- Major in Biology with concentration in Entomology
- Minor in Chemistry

Publications:

Messenger, M. T. and **A. J. Mullins** 2005. New flight distance recorded for *Coptotermes formosanus* (Isoptera: Rhinotermitidae). Florida Entomol. 88: 99-100.

Mullins, A. J. Succession ecology of *Coptotermes formosanus* (Shiraki) following area-wide colony elimination. 2009. Master's Thesis submitted to the Graduate School of the University of Florida.

Professional Experience:

Virginia Tech Department of Entomology 2008-2010
Research Faculty Virginia

- Research and Extension on honeybee disease and Pest Management. Research focuses on Varroa destructor management and distribution within the hive, as well as Nosema ceranae management and distribution in the State.
- Provide support for undergraduate education on bees and beekeeping
- Maintain approximately 60 hives for research and extension in Blacksburg, VA, and around the Commonwealth of Virginia.

New Orleans Mosquito & Termite Control Board 2002-2007
Entomologist Louisiana

- In cooperation with the USDA/ARS and researchers at the University of Florida, conducted field and laboratory research on biology and population ecology of the Formosan Subterranean Termite, in order to better understand the implications of area-wide management of this exotic, invasive species
- Tested new technologies for termite detection
- Gave educational presentations on the control of urban pests for recertification of Pest Management Professionals in Southeastern Louisiana

- Participated in large-scale mosquito control efforts for the city of New Orleans, before and after the impact of hurricane Katrina

Busch Agricultural Resources, Inc. 2001-2002
Research Technician Colorado

- Performed chemical analysis of experimental strains of malting barley
- Calibration and routine maintenance of spectrographic and other analytical instruments
- Created, organized and reported data sets to meet specific, time mandated deadlines

United States Government 1999-2001
U.S. Peace Corps Volunteer Ecuador

- Provided agricultural extension, outreach and technical assistance to small land holding farmers in a small Ecuadorian community
- Developed, organized and constructed a cooperative greenhouse and plant nursery
- Implemented Integrated Pest Management (IPM) techniques on family farms, and educated farmers on IPM strategies
- Identified insect pests and offered pest control strategies
- Introduced coffee and grafted citrus trees for establishment of new cash crops to the La Carolina region
- Assisted in the management of a nearby large-scale integrated demonstration farm
- Obtained Spanish language fluency

Virginia Tech Department of Entomology 1997-1999
Research Assistant Virginia

- Supported research on honeybee pest management (Varroa and Tracheal mites)
- Assisted research on development of a carpenter ant bait
- Managed colonies of dump fly larvae for an Integrated Pest Management program

Virginia Department of Agriculture 1995 & 1996
Plant Pest Inspector Assistant Virginia

- Designed and implemented a public education program on the gypsy moth threat in Southwest Virginia
- Worked with local businesses to develop strategies to minimize the risk of gypsy moth introduction into non-infested areas
- Performed spot-inspections on trucks and other vehicles from quarantined areas (In cooperation with USDA Animal and Plant Health Inspection Service)
- Performed egg mass surveys of infested areas to determine encroaching boundaries of Virginia and Federal gypsy moth quarantines
- Placed field traps, collected and plotted data to determine natural and introduced spread of the gypsy moth