

Curriculum Vitae Jason Bradley Oliver



1. CONTACT INFORMATION:

[Tennessee State University](#)

[College of Agriculture, Human, and Natural Sciences](#)

Otis L. Floyd Nursery Research Center

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2. EDUCATIONAL BACKGROUND

Ph.D. Entomology. August 13, 1999. Auburn University. Auburn, AL.

Dissertation Title: Weed host and parasitoid interactions of the bandedwinged whitefly (*Trialeurodes abutilonea* [Haldeman]) in the cotton agroecosystem. (225 pages).

GPA: 3.93/4.00.

M.S. Entomology. May 11, 1990. The University of Tennessee. Knoxville, TN.

Thesis Title: Effect of endophyte-infected tall fescue on the Japanese beetle and other selected soil insects. (87 pages). GPA: 3.96/4.00.

B.S. Wildlife and Fisheries Science (Minor Zoology). December 11, 1987. The University of Tennessee, Knoxville, TN. GPA: 3.37/4.00.

3. PROFESSIONAL WORK EXPERIENCE

February 1, 2010 to Present

RESEARCH / EXTENSION ASSOCIATE PROFESSOR (80/20%) - Tennessee State University, College of Agriculture, Human, and Natural Sciences, TSU Otis L. Floyd Nursery Research Center, McMinnville, TN. Supervisor: Dr. Nick Gawel

*Duties: Direction of the Entomology Program at the Nursery Res. Center, including supervision of a research technician and laboratory assistants, design and implementation of experimental field research, collection and analysis of data, summarization of results for publication, presentation, and reports, procurement of research funds, administration of project budgets, and extension technology transfer to stakeholders. My research focus has been the integrated management of fire ants and Japanese beetle by chemical, cultural, and biological methods with emphasis on developing effective nursery plant quarantine treatments. Other research areas include biology, chemical management, and trap development for flatheaded borers, Scolytinae borers, and leafhoppers.

October 1, 2008 to February 1, 2010

RESEARCH ASSOCIATE PROFESSOR - Tennessee State University, School of Agriculture and Consumer Sciences, TSU Otis L. Floyd Nursery Res. Center, McMinnville, TN.

Supervisor: Dr. Nick Gawel

*Duties: Same as Research / Extension Associate Professor, with the exception of less extension activity.

July 2002 to October 1, 2008

RESEARCH ASSISTANT PROFESSOR - Tennessee State University, School of Agriculture and Consumer Sciences (initially Institute Agric. Environ. Res.), TSU Otis L. Floyd Nursery Research Center, McMinnville, TN. Supervisor: Dr. Nick Gawel

*Duties: Same as Research / Extension Associate Professor described above.

Sept. 2013 to Present

ADJUNCT ASSOCIATE PROFESSOR - University of Tennessee, Institute of Agriculture, Department of Entomology and Plant Pathology, Knoxville, TN. (I was previously an Adjunct Assistant Professor in 2008, but my term expired in 2012 and was not renewed until Sept. 2013).

January 2001 to July 2002

ASSOCIATE INVESTIGATOR - Tennessee State University, Cooperative Agric. Res. Program, TSU Otis L. Floyd Nursery Research Center, McMinnville, TN. Supervisor: Dr. Nick Gawel.

*Duties: Same as Research / Extension Associate Professor described above.

March 1997- January 2001

RESEARCH ASSOCIATE - Tennessee State University, Cooperative Agric. Res. Program, TSU Otis L. Floyd Nursery Research Center, McMinnville, TN. Supervisor: Dr. Catharine Mannion.

*Duties: Research support for Entomology Program, including 1) management of the ambrosia beetle research program, 2) supervision of laboratory assistants, 3) execution, evaluation, analysis, and summarization of laboratory/field research trials directed against nursery pests, 4) propagation of Japanese beetle, parasitoids, entomopathogenic nematodes, and *Galleria mellonella*, 5) survey and taxonomic analysis of pitfall and trapping programs, and 6) damage assessments of nursery stock.

1992-1997

DOCTORAL GRADUATE RESEARCH ASSISTANT - Auburn Univ., Auburn, AL.
Department of Entomology. Major Professor: Dr. Michael J. Gaylor.

*Duties: Research on biological control of the bandedwinged whitefly and effects of weed hosts on whitefly bionomics and parasitoid interactions in field cotton. Research involved identification of whitefly weed hosts, rearing and identification of whitefly parasitoids, and evaluation of weed host influence on whitefly populations in cotton. The study found twenty-six weed hosts of bandedwinged whitefly in the cotton agro-ecosystem, whitefly development rates were greater on weeds like cocklebur than cotton, nine parasitoid species were identified, and parasitism rates varied depending on host plant. A technique was developed to identify parasitized whitefly nymphs and a novel genus and species of entomopathogenic fungus was collected during the study. Other responsibilities included supervision of research assistants, research planning, data collection, analysis, and summary, preparation of scientific results for publication and presentation, and coursework.

1991-1992

ASSOCIATE BIOLOGIST, Jaycor, Inc., Environmental Division/The Oak Ridge National Laboratory, Oak Ridge, TN. Supervisor: Dr. John Smith.

*Duties: Identification and enumeration of benthic macro-invertebrate samples for environmental stream assessment program of the U.S. Department of Energy. Training included proper handling of benthic specimens from radioactive and mercury contaminated stream sediment.

Fall 1990

RESEARCH ASSISTANT - The University of Tennessee, Knoxville, TN. Department of Entomology and Plant Pathology. Supervisor: Dr. Charles D. Pless.

*Duties: Interim position before starting Associate Biologist position. Duties included continuation and summarization of Master's research described below under Master's Graduate Research Assistant.

Summer 1990

PLANT PROTECTION QUARANTINE AID, GS-3 Step 1. USDA. Animal, Plant Health Inspection Service, Knoxville, TN.

*Duties: Placement and monitoring of gypsy moth traps in Sevier County, Tennessee.

1988-1990

MASTERS GRADUATE RESEARCH ASSISTANT - The University of Tennessee, Knoxville, TN. Department of Entomology and Plant Pathology. Major Professor: Dr. Charles D. Pless.

*Duties: Research on tall fescue/fungal endophyte symbiosis and the interaction with larval Japanese beetle and other soil-inhabiting arthropods. Duties included supervision of research assistants, research planning, data collection, analysis, and summary, preparation of scientific results for publication and presentation, and coursework. Studies found evidence of reduced first instar Japanese beetle survival in association with endophyte-infected fescue, as well as endophyte impacts on sminthurid springtails.

1986-1988

STUDENT ASSISTANT - The University of Tennessee, Knoxville, TN. Department of Zoology, Arachnology Laboratory. Supervisor: Dr. Susan Riechert

*Duties: Responsible for feeding and watering of experimental funnel-web spider colonies. During summer months, maintained research garden plots, performed insect/arachnid surveys, operated pitfall traps, and assisted with spider mark-recapture studies.

4. SERVICE ACTIVITIES AND PROFESSIONAL MEMBERSHIPS

[Tennessee State University](#)

Full Member, Tennessee State University Graduate Faculty, Term 31 May 2011 to Spring 2016. I became Associate Level 1 Graduate Faculty Member on 11 Apr. 2011.

Employment Search Committees: 8 Faculty, 5 Post-Doctoral (2 chair), 4 Research Associate (1 chair), 4 Farm Staff and Administrative Assistants, 3 Outside Member for USDA-ARS

Pest Management Sub-Committee organizer volunteer for the Disaster Education Resource Team (DERT). (Sept. 4, 2013 to present).

Faculty Awards Committee (3/5/2014 to present)

Productivity, Effectiveness and Quality Assurance Committee (2/21/2014 - Present)

Outstanding Research Faculty Evaluation Committee, School of Agriculture and Consumer Sciences, 2011.

Agricultural Research and Education Center Committee (Jan. 2009)

Tennessee State University Academic Master Plan Year One Implementation. Work Group for Enhancement of the Travel Procedures. (Apr. 2009 - June 2009)

Plant Science Team (2008 - present)

Environmental Protection and Enhancement Team (2002 – 2008)

Safety and Lab Space Utilization Committee Member (1/2008 – 1/2009)

Space Utilization Committee (1/2004 – 1/2007)

Technology Committee (1/2005 – 1/2007)

Public Affairs and Hospitality Committee (2004 – 2005)

Welcoming Committee (2003 – 2004)

Service Volunteer - TSU 4th Annual Community Service Day. 27 Aug. 2010.

USDA NIFA Grant Panel Peer Review Member. Critical and Emerging Pests and Diseases Program. Virtual Panel on Aug. 29, 2011.

eXtension Imported Fire Ant Community of Practice (IFA-COP). Invited to membership May 4, 2010. Added to Community Leadership May 11, 2011. Service has included assistance with development of "how to identify fire ants web page", multiple reviews of web page content, data contributions for fire ant maps from Tennessee, and two webinars given in 2011 and 2012. I was also invited to attend the eXtension National COP Workshop, Louisville, KY (28-30 June 2011) at the expense of the IFA-COP.

Imported Fire Ant Annual Research Conference. Chair of Local Arrangements Committee. April 2012 Meeting, Nashville, TN.

[National Plant Board - U.S. Domestic Japanese Beetle Harmonization Plan Japanese Beetle Regulatory Treatment Review Committee](#) - Research Representative (2004 – present)

Member, Japanese Beetle Harmonization Plan Revision Committee. Appointed to serve by President of National Plant Board (Jan. 2013 - present)

Invitation Member, Tennessee Department of Agriculture Plant Certification Advisory Committee (5 June 2013 to present).

Member, Tennessee Master Nursery Program (TMNP) Planning Committee (2012 - present). I presented during the 18 Dec. 2012 class. The TMNP allows Tennessee nursery growers to qualify for a 50% cost share with the Tenn. Dept. Agric. The Committee submitted a grant to TDA that was funded to cover meeting costs for \$47,000.

Member, Tennessee Thousand Cankers Disease and Emerald Ash Borer Technical Advisory Committee (2011 - present).

Technical Consultant, Emerald ash borer (EAB) trapping for Delta-21 Resources, Inc. on their funded USDA-APHIS proposal to monitor EAB in Tennessee (5 Jan. 2011). I was also subsequently listed as a Technical Expert for EAB trapping surveys in Georgia contracted through Delta-21 (23 Mar. 2012).

[Southern Nursery Association](#)

Entomology Proceeding Editor and Section Moderator (2002 – 2004)

[Tennessee Fire Ant Research and Education Team \(FARET\) - Core Team Member \(2004 - 2008\)](#)

[Tennessee Entomological Society](#)

President (2003 – 2004) / President Elect (2002 – 2003)
Constitution Committee (2003 - 2004)
Prediction and Evaluation Committee (2003 – 2004, 2011 - 2014)
Publication and Editorial Committee (2013-2014)
Program Committee (2002 – 2004; Chair 2003)

[Association of Research Directors, Inc. - Biennial Research Symposium, Atlanta, GA](#)

Moderator: New and Emerging Technologies Session (2003)
Student Poster Judge (2006 and 2009 Meetings)

[Member, Entomological Society of America](#)

Student poster judge: National Meeting, Indianapolis, IN (2009)
Auburn University Linnaean Team (1993 – 1996)
Registration and audio-visual volunteer: National Meeting, Nashville, TN (1997)
Moderator: Southeastern Branch Contributed Papers Session, Mobile, AL (2000)
Southeastern Branch program preparation assistant (1999 and 2000)
Journal Reviewer: Journal of Economic Entomology, Environmental Entomology

[Member, Georgia Entomological Society](#)

[Member, Middle Tennessee Nursery Association](#)

[Member, Tennessee Nursery and Landscape Association](#)

Education Committee (2004 – 2005)

Auburn Entomology Student Newsletter (Editor, Spring 1995)

Alpha Gamma Rho Agriculture Fraternity - Alpha Kappa Chapter
Scholarship Chairman (1986, 1987)

Entomology and Plant Pathology Club, The University of Tennessee (Treasurer, 1988)

Entomology Representative to Auburn University Ag-Roundup (1992, 1995, 1996)

F.S. Arant Entomology Club, Auburn University (Acting Vice President, Fall 1995)

Other Reviewer Service: Bulletin of Entomological Research, Canadian Journal of Forest Research, Florida Entomologist, Journal of Agriculture and Urban Entomology, Journal of Entomological Science, The Great Lakes Entomologist, eXtension Imported Fire Ant Community of Practice Web Content, pesticide labels for various chemical companies, and outside peer reviews for both USDA-APHIS, USDA-ARS, and USDA Forest Service colleagues.

USDA-ARS Colleague Promotion Case File Review and Reference: Dr. Chris Ranger (4 Feb. 2014), Dr. Donna Fare (14 June 2012), Dr. Blair Sampson (16 July 2012), and Dr. Michael Reding (25 Oct. 2010).

5. HONORS, AWARDS, AND HONOR SOCIETIES

Oliver, J.B. 15-Year Service Award. Tennessee State University. 2012. Nashville, TN.

Outstanding Research Faculty Award, Tennessee State University, School of Agriculture and Consumer Sciences, 9 April 2010.

Oliver, J.B. Nominated Southeastern Branch of Entomological Society of America Distinguished Achievement Award in Regulatory Entomology. (by Dr. Jerome Grant and Dr. Kevin Moulton, University of Tennessee). 2008.

Oliver, J.B. Nominated Southeastern Branch of Entomological Society of America Distinguished Achievement Award in Regulatory Entomology. (by Dr. Karen Vail, University of Tennessee). 27 August 2007.

Oliver, J.B. 10-Year Service Award. Tennessee State University 15th Annual Awards Celebration. 17 April 2007. Nashville, TN.

Tennessee State University Blue & White All Star Academy Awards. Certificate of Recognition Excellence in University Service. IAGER Fire Ant Research Program. 6 May 2006. Nashville, TN.

Invited Speaker Honorarium (\$200). Oliver, J.B. 2002. Quarantine pests: Fire ants, Japanese beetle, and the nursery industry. Presentation: Bayer Professional Care, Centers of Influence for Turf and Ornamental Entomologists, 4-7 June 2002. Atlanta, GA.

ALCOA Merit Scholarship - The University of Tennessee (1985 – 1987)

[Alpha Zeta Agriculture Honor Society - Morgan Chapter \(Vice President, 1986\)](#)

[Gamma Sigma Delta Honor Society of Agriculture](#)

The Honor Society of Phi Kappa Phi

Xi Sigma Pi Forestry Honor Society

National Honor Society of Secondary Schools

Best Student Paper (\$50). Oliver, J.B. and C.D. Pless. 1988. Endophyte presence in tall fescue and its effects on Japanese beetle and other grub and wireworm species. 16th Annual Meeting Tennessee Entomol. Soc. Nashville, TN.

6. REFEREED PUBLICATIONS

Published Manuscripts

Oliver, J.B., P.J. Landolt, N.N. Youssef, J.P. Basham, K.M. Vail, and K.M. Adesso.
Trapping social wasps (Hymenoptera: Vespidae) in nurseries with acetic acid and isobutanol.
Journal of Entomological Science. Accepted Feb. 24, 2014. *In Press* .

Ranger, C., A. Gorzlancyk, K. Adesso, **J. Oliver**, M. Reding, P. Schultz, and D. Held. 2014. Conophthorin enhances the electroantennogram and field behavioral response of *Xylosandrus germanus* (Coleoptera: Curculionidae) to ethanol. *Agricultural and Forest Entomology*. Accepted for Publication Jan. 17, 2014.

Reding, M.E., C.M. Ranger, **J.B. Oliver**, and P.B. Schultz. 2013. Monitoring attack and flight activity of *Xylosandrus* spp. (Coleoptera: Curculionidae: Scolytinae): the influence temperature on activity. *J. Econ. Entomol.* 106(4): 1780-1787. ([Online PDF](#))

Oliver, J.B., C.M. Ranger, M.E. Reding, J.J. Moyseenko, N.N. Youssef, and A.M. Bray. 2013. Pre-harvest quarantine treatments of chlorantraniliprole, clothianidin, and imidacloprid-based insecticides for control of Japanese beetle (Coleoptera: Scarabaeidae) and other scarab larvae in the root zone of field-grown nursery trees. *J. Econ. Entomol.* 106(3): 1190-1199. ([Online PDF](#))

Ranger, C.M., P.C. Tobin, M.E. Reding, A.M. Bray, **J.B. Oliver**, P.B. Schultz, S.D. Frank, and A.B. Persad. 2013. Interruption of the semiochemical-based attraction of ambrosia beetles to ethanol-baited traps and ethanol-injected traps trees by verbenone. *Environ. Entomol.* 42(3): 539-547.

Ranger, C.M., M.E. Reding, **J.B. Oliver**, J.J. Moyseenko, N. Youssef, and C.R. Krause. 2013. Acute toxicity of plant essential oils to scarab larvae (Coleoptera: Scarabaeidae) and their analysis by gas chromatography-mass spectrometry. *J. Econ. Entomol.* 106: 159-167.

Reding, M.E., **J.B. Oliver**, P.B. Schultz, C.M. Ranger, and N.N. Youssef. 2013. Ethanol injection of ornamental trees facilitates testing insecticide efficacy against ambrosia beetles (Coleoptera: Curculionidae: Scolytinae). *J. Econ. Entomol.* 106(1): 289-298. ([Online PDF](#))

Ranger, C.M., M.E. Reding, P.B. Schultz, and **J.B. Oliver**. 2013. Influence of flood-stress on ambrosia beetle host-selection and implications for their management in a changing climate. *Agric. and Forest Entomol.* 15: 56-64. ([Online PDF](#))

Hansen, J.A., J.P. Basham, **J.B. Oliver**, N.N. Youssef, W.E. Klingeman, J.K. Moulton, and D.C. Fare. 2012. New state and host plant records for metallic woodboring beetles (Coleoptera: Buprestidae) in Tennessee, U.S.A. *Coleopterist Bull.* 66(4): 337-343. ([Online PDF](#)).

Ranger, C.M., M.E. Reding, P.B. Schultz, and **J.B. Oliver**. 2012. Ambrosia beetle (Coleoptera: Curculionidae) responses to volatile emissions associated with ethanol-injected *Magnolia virginiana*. *Environ. Entomol.* 41(3): 636-647.

Werle, C.T., B.J. Sampson, and **J.B. Oliver**. 2012. Diversity, abundance and seasonality of ambrosia beetles (Coleoptera: Curculionidae) in southern Mississippi. *Midsouth Entomol.* 5: 1-5. ([Online PDF](#))

- Hansen, J.A., W.E. Klingeman, J.K. Moulton, **J.B. Oliver**, M.T. Windham, A. Zhang, and R.N. Trigiano. 2012. Molecular identification of Synanthedonini members (Lepidoptera: Sesiidae) using cytochrome oxidase I. *Ann. Entomol. Soc. Am.* 105(4): 520-528. ([Online PDF](#)).
- Reding, M.E., P.B. Schultz, C.M. Ranger, and **J.B. Oliver**. 2011. Optimizing ethanol-baited traps for monitoring damaging ambrosia beetles (Coleoptera: Curculionidae, Scolytinae) in ornamental nurseries. *J. Econ. Entomol.* 104 (6): 2017-2024. ([Online PDF](#))
- Ranger, C.M., M.E. Reding, **J.B. Oliver**, P.B. Schultz, J.J. Moyseenko, and N. Youssef. 2011. Comparative efficacy of plant-derived essential oils for managing ambrosia beetles (Coleoptera: Curculionidae, Scolytinae) and their corresponding mass spectral characterization. *J. Econ. Entomol.* 104 (5): 1665-1674.
- Ranger, C.M., M.E. Reding, K.J. Gandhi, **J.B. Oliver**, P.B. Schultz, L. Canas, and D.A. Herms. 2011. Species dependent influence of (-)-alpha-pinene on attraction of ambrosia beetles to ethanol-baited traps. *J. Econ. Ent.* 104 (2): 574-579.
- Oliver, J.B.**, D.C. Fare, N. Youssef, S.S. Scholl, M.E. Reding, C.M. Ranger, J.J. Moyseenko, and M.A. Halcomb. 2010. Evaluation of a single application of neonicotinoid and multi-application contact insecticides for flatheaded borer management in field grown red maple cultivars. *J. Environ. Hort.* 28(3): 135-149. ([Online PDF](#)).
- Reding, M., **J. Oliver**, P. Schultz, and C. Ranger. 2010. Monitoring ambrosia beetles in ornamental nurseries in Ohio, Tennessee, and Virginia: Influence of trap height. *J. Environ. Hort.* 28 (2): 85-90. ([Online PDF](#)).
- Youssef, N.N., **J.B. Oliver**, M.E. Reding, C.M. Ranger, J.J. Moyseenko, and M.G. Klein. 2009. Field evaluation of plant-derived essential oils as potential repellents of adult Japanese beetle (Coleoptera: Scarabaeidae). *J. Econ. Entomol.* 102(4): 1551-1558. ([Online PDF](#))
- Oliver, J.B.**, R.K. Vander Meer, S.A. Ochieng, N.N. Youssef, E. Pantaleoni, F.A. Mrema, K.M. Vail, P.J. Parkman, S.M. Valles, W.G. Haun, and S. Powell. 2009. Survey of imported fire ant populations in Tennessee. *J. Entomol. Science.* 44(2): 1-9. ([Online PDF](#)).
- Oliver, J.B.**, M.E. Reding, N.N. Youssef, M.G. Klein, B. Bishop, and P. Lewis. 2009. Surface-applied insecticide treatments for elimination of larval Japanese beetle (Coleoptera: Scarabaeidae) from field-grown nursery plants. *Pest Management Science.* 65(4): 381-390. ([Online PDF](#)).
- Ranger, C.M., M.E. Reding, **J.B. Oliver**, J.J. Moyseenko, and N.N. Youssef. 2009. Toxicity of botanical formulations to nursery-infesting white grubs (Coleoptera: Scarabaeidae). *J. Econ. Entomol.* 102(1): 304-308.

- Oliver, J.B.**, D.C. Fare, N. Youssef, M.A. Halcomb, M.E. Reding, and C.M. Ranger. 2009. Evaluation of systemic insecticides for potato leafhopper control in field-grown red maple. *J. Environ. Hort.* 27: 17-23. ([Online PDF](#))
- Francese, J.A., **J.B. Oliver**, I. Fraser, D.R. Lance, N. Youssef, A.J. Sawyer, and V.C. Mastro. 2008. Influence of trap placement and design on capture of the emerald ash borer (Coleoptera: Buprestidae). *J. Econ. Entomol.* 101 (6): 1831-1837. ([Online PDF](#))
- Oliver, J.B.**, M.E. Reding, S.O. Dennis, J.J. Moyseenko, N.N. Youssef, M.G. Klein, A.A. Callcott, S.S. James, L.R. McAnally, and B.L. Bishop. 2008. Drench treatments for management of larval Japanese beetle (Coleoptera: Scarabaeidae) in field-grown balled and burlapped nursery plants. *J. Econ. Entomol.* 101 (4): 1158-1166. ([Online PDF](#))
- Oliver, J.B.**, M.E. Reding, M.G. Klein, N.N. Youssef, C.M. Mannion, B. Bishop, S.S. James, and A. Callcott. 2007. Chlorpyrifos immersion to eliminate third instars of Japanese beetle (Coleoptera: Scarabaeidae) in balled and burlapped trees and subsequent treatment effects on red maple. *J. Econ. Entomol.* 100 (2): 307-314. ([Online PDF](#))
- Mmbaga, M.T. and **J.B. Oliver**. 2007. Effect of biopesticides on foliar diseases and Japanese beetle (*Popillia japonica*) in roses (*Rosa* spp.), oakleaf hydrangea (*Hydrangea quercifolia*) and crape myrtle (*Lagerstroemia indica*) *Arboriculture and Urban Forestry.* 33: 210-219. ([Online PDF](#))
- Valles, S.M., C.A. Strong, D.H. Oi, S.D. Porter, R.M. Pereira, R.K. Vander Meer, Y. Hashimoto, L.M. Hooper-Bùi, H. Sánchez-Arroyo, T. Davis, V. Karpakakunjaram, K.M. Vail, L.C. “Fudd” Graham, J.A. Briano, L.A. Calcaterra, L.E. Gilbert, R. Ward, K. Ward, **J.B. Oliver**, G. Taniguchi, and D.C. Thompson. 2007. Phenology, distribution, and host specificity of *Solenopsis invicta* virus. *J. Invert. Path.* 96: 18-27. ([Online PDF](#))
- Oliver, J.B.**, M.E. Reding, J.J. Moyseenko, M.G. Klein, C.M. Mannion, B. Bishop. 2006. Survival of adult *Tiphia vernalis* (Hymenoptera: Tiphidae) after insecticide, fungicide, and herbicide exposure in laboratory bioassays. *J. Econ Entomol.* 99 (2): 288-294. ([Online PDF](#))
- Vogt, J.T. and **J.B. Oliver**. 2006. Distribution and size of imported fire ant (Hymenoptera: Formicidae) mounds in recently invaded ball-and-burlap nurseries in Tennessee. *J. Entomol. Sci.* 41: 385-393.
- Oliver, J.B.**, C. Mannion, M. Klein, and J. Moyseenko. 2005. Effect of insecticides on *Tiphia vernalis* (Hymenoptera: Tiphidae) oviposition and survival of progeny to cocoon stage when parasitizing *Popillia japonica* (Coleoptera: Scarabaeidae) larvae. *J. Econ. Entomol.* 98 (3): 694-703. ([Online PDF](#))
- Francese, J.A., V.C. Mastro, **J.B. Oliver**, D.R. Lance, S.G. Lavalley, and N. Youssef. 2005. Evaluation of colors for trapping *Agilus planipennis* (Coleoptera: Buprestidae). *J. Entomol. Sci. Note.* 40: 93-95.

Oliver, J.B. and C.M. Mannion. 2001. Ambrosia beetle (Coleoptera: Scolytidae) species attacking chestnut and captured in ethanol-baited traps in Middle Tennessee. *Environ. Entomol.* 30 (5): 909-918. ([Online PDF](#))

Oliver, J.B. and M.J. Gaylor. 2001. Technique for the collection of adult parasitoids and detection of parasitoids in fourth-instar bandedwinged whitefly (Homoptera: Aleyrodidae). *J. Entomol. Sci. Note.* 36: 97-100.

Mannion, C.M., W. McLane, M.G. Klein, J. Moyseenko, **J.B. Oliver**, and D. Cowan. 2001. Management of early-instar Japanese beetle (Coleoptera: Scarabaeidae) in field-grown nursery crops. *J. Econ. Entomol.* 94 (5): 1151-1161. ([Online PDF](#))

Steinkraus, D.C., **J.B. Oliver**, R.A. Humber, and M.J. Gaylor. 1998. Mycosis of bandedwinged whitefly (*Trialeurodes abutilonea*) (Homoptera: Aleyrodidae) caused by *Orthomyces aleyrodis* gen. & sp. nov. (Entomophthorales: Entomophthoraceae). *J. Invert. Path.* 72: 1-8. (Selected as feature cover article). ([Online PDF](#)).

Submitted / In Preparation Manuscripts

Oliver, J.B., M.E. Reding, C.M. Ranger, M.G. Klein, N.N. Youssef, J.J. Moyseenko, and S.O. Dennis. Insecticides evaluated as immersion treatments to eliminate larval Japanese beetle (Coleoptera: Scarabaeidae) from small diameter field-grown nursery plants. *Journal Entomological Science.*

Werle, C.T., A. Bray, **J.B. Oliver**, E.K. Blythe, and B.J. Sampson. 2014. Effects of trap color on ambrosia beetle (Coleoptera: Curculionidae: Scolytinae) capture in southeast Tennessee and south Mississippi. *J. Entomol. Science.* (In Outside USDA Peer Review).

Reding, M., C. Ranger, **J. Oliver**, P.B. Schultz, N. Youssef, and A. Bray. 2014. Attraction of ambrosia beetles (Coleoptera: Curculionidae: Scolytinae) to different tree species injected with ethanol. *J. Econ. Ent.* (Co-author reviews completed. In final stages for submission).

Bray, A., **J. Oliver**, W.E. Klingeman, N. Youssef, and D. Eskandarnia. 2014. Seasonal flight activity and trapping efficacy for monitoring camphor shot borer (Coleoptera: Curculionidae) in Tennessee landscapes and nurseries. *J. Econ. Entomol.* (In Preparation).

Bray, A., W. Klingeman, **J. Oliver**, J. Juzwik, N. Youssef, D. Eskandarnia, and S. Reed. 2014. Walnut twig beetle (Coleoptera: Curculionidae) seasonal flight response to wounding in walnut trees in urban landscapes in eastern Tennessee. *Environ. Entomol.* (In Preparation).

7. NON-REFEREED PUBLICATIONS

Extension, Industry and Other Publications

Oliver, J., A. Blalock, K. Adesso, and N. Youssef. 2013. Adding or changing a blocking plate on a Herd GT-77 spreader. TSU-14-0073(A)-15-83007.

Oliver, J., A. Blalock, K. Adesso, and N. Youssef. 2013. Baiting nursery blocks with a Herd GT-77 spreader. TSU-14-0072(A)-15-83007.

Oliver, J., K. Vail, N. Youssef, W. Haun, and S. Powell. 2013. Post-harvest drenching to certify container-grown or balled and burlapped nursery plants in the Federal Imported Fire Ant Quarantine. TSU-14-0071(A)-15-83007 and Univ. Tenn. PB1818.

Oliver, J., K. Adesso, N. Youssef, A. Blalock, and K. Vail. 2013. Calibrating a fire ant bait spreader. Tennessee State Univ. Publication Number TSU-14-0055(A)-9h-83007 and Univ. Tenn. PB 1817.

Adesso, K., and **J. Oliver.** 2013. Spotted wing drosophila. Tennessee State University College of Agriculture, Human, and Natural Sciences. Disaster Education Response Team Publication. ([Online PDF](#)).

Ranger, C.M., M.E. Reding, P.B. Schultz, and **J.B. Oliver.** 2012. Biology, behavior, and management of ambrosia beetles attacking ornamental nursery stock. OFA - The Assoc. of Horticultural Professionals Bulletin. No. 937: 20-23.

Adesso, K. and **J. Oliver.** 2012. Hemlock wooly adelgid. Tennessee State University College of Agriculture, Human, and Natural Sciences. Disaster Education Response Team Publication. TSU-12-0043(A)-15c-13515. ([Free PDF](#)).

Oliver, J.B., N. Youssef, J. Basham, A. Bray, K. Copley, F. Hale, W. Klingeman, M. Halcomb, and W. Haun. 2012. Camphor shot borer a new nursery and landscape pest in Tennessee. Tennessee State University (TSU-13-0005(A)-6a-17090) and University of Tennessee (SP742) extension publication. ([Free PDF](#)).

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8. PRESENTATIONS (INCLUDES PROCEEDINGS / ABSTRACTS)

Conferences, Workshops, and Grower Meetings

- Invited **Oliver, J.** and K. Adesso. 2014. Fire ants and other crops pests. Tennessee State University Cooperative Extension Program Third Tuesday Field Days & Educational Workshops. 21 Jan. 2014. Nashville, TN. (Invited Oral Presentation and Website Handout - 20 attendees).
- Invited Adesso, K. and **J. Oliver**. 2014. Spotted wing drosophila and kudzu bug. Tennessee State University Cooperative Extension Program Third Tuesday Field Days & Educational Workshops. 21 Jan. 2014. Nashville, TN. (Invited Oral Presentation and Website Handout - 20 attendees).
- Invited **Oliver, J.** and K. Adesso. 2014. Fire ants and their control. Middle Tennessee Landscape Short Course. Hosted by Tennessee State University, University of Tennessee, and Tennessee Department of Agriculture. 15 Jan. 2014. Ag Expo Park, Franklin, TN (Invited Oral Presentation - 150 attendees).
- Bray, A., **J. Oliver**, W. Klingeman, N. Youssef, S. Reed, and J. Juzwik. 2013. Walnut twig beetle (*Pityophthorus juglandis*) trapping in east Tennessee: Experimental summaries. 3rd Annual Conference on Thousand Cankers Disease and Emerald Ash Borer in the Eastern United States. 11-12 Dec. 2013. Knoxville, TN. (Poster Presentation).
- Oliver, J.**, K. Adesso, C. Ranger, B. Sampson, M. Reding, N. Youssef, J. Moyseenko, and A. Callcott. 2013. Reduced-risk biopesticides evaluated for ambrosia beetle and Japanese beetle control. TSU Extension Workshop: Disease and Pest Management - How to Make It Safe? 4 Dec. 2013. TSU Otis L. Floyd Nursery Research Center, McMinnville, TN. (Oral Presentation). Dr. Margaret Mmbaga and I co-organized this workshop.
- Adesso, K. and **J. Oliver**. 2013. Systemics, organics, and alternative methods for pest control. TSU Extension Workshop: Disease and Pest Management - How to Make It Safe? 4 Dec. 2013. TSU Otis L. Floyd Nursery Research Center, McMinnville, TN. (Oral Presentation).
- Werle, C., A. Bray, **J. Oliver**, B. Sampson, C. Ranger, P. Schultz, M. Reding, and J. Kuehny. 2013. Trapped in a prism: effects of trap color on ambrosia beetle (Coleoptera: Curculionidae: Scolytinae) capture. 61st Annual Meeting of the Entomol. Soc. Amer. 10-13 Nov. 2013. Austin, TX. (Poster Presentation).
- Bray, A., **J. Oliver**, W. Klingeman, N. Youssef, S. Reed, and J. Juzwik. 2013. Trapping for walnut twig beetle, *Pityophthorus juglandis*, in east Tennessee: What worked and what failed. 61st Annual Meeting of the Entomol. Soc. Amer. 10-13 Nov. 2013. Austin, TX. (Poster Presentation).
- Bray, A., K. Adesso, and **J. Oliver**. 2013. Evaluation of tree bolt baits with attractants for wood-boring insects. 61st Annual Meeting of the Entomol. Soc. Amer. 10-13 Nov. 2013. Austin, TX. (Poster Presentation).

Reding, M., C. Ranger, **J. Oliver**, P. Schultz, C. Werle, and B. Sampson. 2013. Movement of *Xylosandrus germanus* (Coleoptera: Scolytinae) from woodlots into nurseries in Ohio. 61st Annual Meeting of the Entomol. Soc. Amer. 10-13 Nov. 2013. Austin, TX. (Poster Presentation).

Schultz, P., C. Ragner, M. Reding, and **J. Oliver**. 2013. Utilizing artificially flood-stressed trees to manage ambrosia beetles in commercial nurseries. 61st Annual Meeting of the Entomol. Soc. Amer. 10-13 Nov. 2013. Austin, TX. (Poster Presentation).

Addesso, K., G. Roper, P. O'Neal, and **J. Oliver**. 2013. Survey for spotted wing drosophila, *Drosophila suzukii* (Matsumura), in the five-county nursery production region of Tennessee. 61st Annual Meeting of the Entomol. Soc. Amer. 10-13 Nov. 2013. Austin, TX. (Poster Presentation).

Youssef, N., **J. Oliver**, J. Basham, and J. Lampley. 2013. Comparison of purple vs. clear sticky traps for the capture of buprestid and cerambycid beetles. 61st Annual Meeting of the Entomol. Soc. Amer. 10-13 Nov. 2013. Austin, TX. (Poster Presentation).

Oliver, J., A. Callcott, N. Youssef, K. Vail, K. Addesso, D. Oi, and B. Sampson. 2013. Development of effective and practical nursery treatments for the Federal Imported Fire Ant Quarantine. Tennessee Entomological Society 40th Annual Meeting. Nashville, TN. (Oral Presentation and Abstract).

Addesso, K., G. Roper, and **J. Oliver**. 2013. Spotted wing drosophila in middle Tennessee. Tennessee Entomological Society 40th Annual Meeting. Nashville, TN. (Oral Presentation and Abstract).

Hale, F., J. Grant, **J. Oliver**, and S. Powell. 2013. An update on select invasive pests in Tennessee. Tennessee Entomological Society 40th Annual Meeting. Nashville, TN. (Oral Presentation and Abstract).

Oliver, J. 2013. Cumberland County High School Ag Day. Cumberland County Fair Grounds, Aug. 30, 2013. Spoke to about 300 high school Juniors and Seniors on insects and career opportunities at TSU. Paul Oneal was also present. There were also teachers and other adults present at this event with the youth attendees.

Hale, F., A. Windham, J. Grant, D. Hensley, **J. Oliver**, and S. Powell. 2013. The escalating cost of high impact invasive pests, pp. 108-112. 58th Annual Southern Nursery Assoc. Res. Conf. 5-7 Aug. 2013. Atlanta, GA. (Oral Presentation and Proceeding).

Oliver, J., A. Bray, and N. Youssef. 2013. Native and invasive insects in Tennessee. 2013 Small Farm Expo and Recognition Program, 18 July 2013. Nashville, TN. (Educational Extension Display).

Oliver, J., A. Callcott, D. Oi, N. Youssef, A. Bray, K. Vail, M. Halcomb, X. Wei, C. Ranger, M. Reding, J. Moyseenko, and B. Sampson. 2013. Potential of pre-harvest bifenthrin band treatments in conjunction with targeted mound injections for the Federal Imported Fire Ant Quarantine. Imported Fire Ant Conference, Apr. 8-11, 2013. Virginia Beach, VA. (Oral Presentation and Proceeding).

Callcott, A., L.C. “Fudd” Graham, K. Loftin, **J. Oliver**, and D. Oi. 2013. Potential new quarantine treatments for the Federal IFA Quarantine. Imported Fire Ant Conference, Apr. 8-11, 2013. Virginia Beach, VA. (Oral Presentation and Proceeding).

Invited **Oliver, J.** 2013. Fire ants, Japanese beetles, and other nursery pest issues. Tenn. Green Industry Field Day, June 4, 2013. Otis L. Floyd Nursery Research Center, McMinnville, TN. (Oral Presentation).

Oliver, J.B., C. Ranger, N. Youssef, A. Bray, P. Schultz, M. Reding, and V. Mastro. 2013. Diversity of wood-boring beetles for tree bolt bait preparations used as trap attractants for wood-boring insects. Tennessee State University 35th Annual University-Wide Research Sympos. 1-5 Apr. 2013. Nashville, TN (Poster Presentation and Abstract).

Bray, A., **Oliver, J.**, N. Youssef, and V. Mastro. 2013. Assessment of storage methods for tree bolt bait preparations used as trap attractants for wood-boring insects. Tennessee State University 35th Annual University-Wide Research Sympos. 1-5 Apr. 2013. Nashville, TN (Poster Presentation and Abstract).

Oliver, J.B. 2013. Entomology research at the TSU Otis L. Floyd Nursery Research Center. Group presentation given to Dr. Justin Stefanski's Nursery Management class from Middle Tennessee State University. There were 7 male and 4 female undergraduate students that toured the laboratory displays while I explained our programs. Dr. Stefanski and another professor (Dr. Phillips) were also present. 20 March 2013. McMinnville, TN.

Werle, C.T., A.M. Bray, B.J. Sampson, **J. Oliver**, and J.S. Kuehny. 2013. Effects of trap color on ambrosia beetle (Coleoptera: Curculionidae: Scolytinae) capture. 87th Annual Meeting of the Southeastern Branch Entomol. Soc. Am. 3-5 Mar. 2013. Baton Rouge, LA. (Poster Presentation)

Invited Bray, A., and **J. Oliver**. 2013. The time is right: trapping pests to increase spray timing accuracy. Tenn. Nursery & Landscape Assoc. Winter Education Workshop. 18 Feb. 2013. Pigeon Forge, TN. (Invited Oral Presentation).

Invited **Oliver, J.B.**, A. Bray, N. Youssef, K. Adesso, C. Ranger, M. Reding, D. Fare, A. Callcott, M. Halcomb, B. Klingeman, J. Moyseenko, K. Vail, J. Francese, A. Blalock, D. Oi, S. Seybold, P. Dallara, X. Wei, V. Mastro, M. Rietz, and W. Haun. 2013. Pest concerns for nursery industry and relevant research updates. Tennessee Department of Agriculture Inspector Training Meeting. 23 Jan. 2013. McMinnville, TN. (Invited Oral Presentation).

- Invited **Oliver, J.B.**, A. Callcott, M. Halcomb, N. Youssef, K. Vail, A. Bray, K. Adesso, S. Ochieng, F. Mrema, C. Kimbro, J. Chandler, X. Wei, L. McAnally, C. Ranger, M. Reding, J. Moyseenko, B. Sampson, T. Rinehart, C. Werle, W. Haun, and S. Powell. 2013. Research to develop new treatments for imported fire ant quarantine certification of nursery stock. Tennessee Department of Agriculture Inspector Training Meeting. 23 Jan. 2013. McMinnville, TN. (Invited Oral Presentation).
- Invited **Oliver, J.B.** and K. Adesso. 2012. Dealing with pest quarantines. Tennessee Master Nursery Program. 18 Dec. 2012. Otis L. Floyd Nursery Research Center, McMinnville, TN. (Oral Presentation)
- Invited Adesso, K. and **J. Oliver**. 2012. How systemics work, best use of systemics for multiple pests, and effect of systemics on pollinators. Tennessee Master Nursery Program. 18 Dec. 2012. Otis L. Floyd Nursery Research Center, McMinnville, TN. (Oral Presentation)
- Invited Bray, A., **J. Oliver**, and W. Klingeman. 2012. Walnut twig beetle trap and lure development research update. 2nd Annual Conference on Thousand Cankers Disease and Emerald Ash Borer in the Eastern United States. 15-16 Nov. 2012. Knoxville, TN. (Oral Presentation)
- Oliver, J.B.**, C.M. Ranger, N. Youssef, A.M. Bray, P.B. Schultz, M.E. Reding, and V.C. Mastro. 2012. Attraction of Buprestidae, Cerambycidae, and Scolytinae to sticky traps baited with varying combinations of ethanol-injected red maple, Virginia pine, or white oak tree bolts. 60th Annual National Meeting of the Entomol. Soc. Amer. 11-14 Nov. 2012. Knoxville, TN. (Poster Presentation)
- Bray, A.M., **J.B. Oliver**, N. Youssef, V.C. Mastro, C.M. Ranger, P.B. Schultz, and M.E. Reding. 2012. Evaluation of storage methods for tree bolt bait preparations used as trap attractants for wood-boring insects. 60th Annual National Meeting of the Entomol. Soc. Amer. 11-14 Nov. 2012. Knoxville, TN. (Poster Presentation)
- Bray, A.M., W. Klingeman, J. Juzwik, S.E. Reed, **J.B. Oliver**, N. Youssef, P.L. Lambdin, and K. Nix. 2012. Evaluation of trapping methods for walnut twig beetle (*Pityophthorus juglandis*) in east Tennessee. 60th Annual National Meeting of the Entomol. Soc. Amer. 11-14 Nov. 2012. Knoxville, TN. (Oral Presentation)
- Schultz, P.B., **J.B. Oliver**, C.M. Ranger, and M.E. Reding. 2012. Using ethanol-infused maple logs in an ambrosia beetle interception strategy in commercial nurseries. 60th Annual National Meeting of the Entomol. Soc. Amer. 11-14 Nov. 2012. Knoxville, TN. (Poster Presentation)
- Reding, M.E., C.M. Ranger, P.B. Schultz, and **J.B. Oliver**. 2012. The relationship between temperature and *Xylosandrus germanus* flight and attack activity. 60th Annual National Meeting of the Entomol. Soc. Amer. 11-14 Nov. 2012. Knoxville, TN. (Poster Presentation)

Dallara, P.L., A.M. Bray, L.J. Nelson, W. Klingeman, **J.B. Oliver**, and S.J. Seybold. 2012. Comparative flight responses of the walnut twig beetle, *Pityophthorus juglandis*, and associated insects to varying release rates of aggregation pheromone and host volatiles in California and Tennessee. 60th Annual National Meeting of the Entomol. Soc. Amer. 11-14 Nov. 2012. Knoxville, TN. (Poster Presentation)

Ranger, C.M., A. Gorzlaneyk, D.W. Held, M.E. Reding, P.B. Schultz, and **J.B. Oliver**. 2012. Electrophysiological and field responses of *Xylosandrus germanus* to heterospecific pheromones. 60th Annual National Meeting of the Entomol. Soc. Amer. 11-14 Nov. 2012. Knoxville, TN. (Poster Presentation)

Oliver, J.B., C.M. Ranger, A. Callcott, J. Moyseenko, N.N. Youssef, A.M. Bray, X. Wei, and D. Oi. 2012. Using tree rings or buckets to chemigate field-grown nursery stock for Japanese beetle and imported fire ant quarantine certification. 39th Annual Meeting of the Tennessee Entomol. Soc. 11-12 Oct. 2012. Nashville, TN. (Oral Presentation and Abstract)

Bray, A.M., **J.B. Oliver**, W. Klingeman, S. Seybold, N. Youssef, J. Juzwik, and S. Reed. 2012. Save the nuts: black walnut under attack. 39th Annual Meeting of the Tennessee Entomol. Soc. 11-12 Oct. 2012. Nashville, TN. (Oral Presentation and Abstract)

Oliver, J., C. Ranger, N. Youssef, J. Moyseenko, A. Bray, A. Callcott, X. Wei, and D. Oi. 2012. New treatment application methods being tested that may reduce pesticide exposure (under the "Reducing accidental exposure to pesticides" session). Disease and Pest Management Extension Workshop, Organized by M. Mmbaga and J. Oliver and hosted by Tennessee State University, University of Tennessee, and Tennessee Department of Agriculture (TDA Pesticide Point School Number 20949). 12 Sept. 2012, Otis L. Floyd Nursery Research Center, McMinnville, TN (Oral Presentation).

Oliver, J., A. Callcott, M. Halcomb, N. Youssef, K. Vail, A. Bray, C. Kimbro, J. Chandler, X. Wei, L. McAnally, C. Ranger, J. Moyseenko, T. Rinehart, G. Kirker, C. Werle, S. Ochieng, F. Mrema, W. Haun, and S. Powell. 2012. Imported fire ants - research to develop quarantine certification treatments. Disease and Pest Management Extension Workshop, Organized by M. Mmbaga and J. Oliver and hosted by Tennessee State University, University of Tennessee, and Tennessee Department of Agriculture (TDA Pesticide Point School Number 20949). 12 Sept. 2012, Otis L. Floyd Nursery Research Center, McMinnville, TN (Oral Presentation).

Oliver, J., N. Youssef, J. Lampley, and J. Basham. 2012. Pesticide safety movie. Disease and Pest Management Extension Workshop, Organized by M. Mmbaga and J. Oliver and hosted by Tennessee State University, University of Tennessee, and Tennessee Department of Agriculture (TDA Pesticide Point School Number 20949). 12 Sept. 2012, Otis L. Floyd Nursery Research Center, McMinnville, TN (Movie Produced by Our Group and Shown to Meeting Participants).

Addesso, K., A. Bray, **J. Oliver**, C. Ranger, N. Youssef, M. Reding, P. Schultz, and J. Moyseenko. 2012. Ambrosia beetles in Tennessee nurseries (under "Ambrosia beetles - biology, management, and latest research" session). Disease and Pest Management Extension Workshop, Organized by M. Mmbaga and J. Oliver and hosted by Tennessee State University, University of Tennessee, and Tennessee Department of Agriculture (TDA Pesticide Point School Number 20949). 12 Sept. 2012, Otis L. Floyd Nursery Research Center, McMinnville, TN (Oral Presentation).

Oliver, J. and A. Bray. 2012. Native and invasive insects in Tennessee. Display presentation at the 2012 Cumberland County Fair Ag Day for Cumberland County High School Students. Approximately 300 students passed our display exhibit. Dr. Bray and I discussed insects with the students, talked about insect agricultural concerns, and let the students handle Madagascar hissing cockroaches. Cumberland County Fair Grounds. 31 Aug. 2012. Crossville, TN. (Display / Oral Presentation).

Oliver, J. and K. Addesso. 2012. Invasive insect threats to Tennessee. Display presentation at the 2012 Small Farm Expo and Small Farmer Recognition Program. Tennessee State University Main Campus Agric. Res. & Education Center. 30 Aug. 2012. Nashville, TN. (Display / Oral Presentation).

Oliver, J.B. 2012. Imported fire ant biology and management. White County Garden Club. 14 Aug. 2012. Otis L. Floyd Nursery Research Center, McMinnville, TN. (Oral Presentation).

Invited Bray, A. and **J. Oliver**. 2012. Insects and their life cycle: you had better understand them. Joint Annual Meeting of the Southern Forest Nursery Association and the Northeast Forest & Conservation Nursery Association. 16 July 2012. Chattanooga, TN. (Oral Presentation).

Invited Bray, A., **J. Oliver**, B. Klingeman, S. Reed, N. Youssef, G. Haun, J. Keener, C. Ranger, and J. Basham. 2012. Evaluation of tree injections and other methods to attract walnut twig beetle to traps. Presentation given to the Tennessee Thousand Cankers Disease and Emerald Ash Borer - Technical Committee. 27 Mar. 2012. (Invited Oral Presentation).

Bray, A., N. Youssef, W. Klingeman, and **J. Oliver**. 2012. Walnut twig beetle trap development: can it sniff out the tree? Tennessee State University 34th Annual University-Wide Research Symposium, 26-30 Mar. 2012, Nashville, TN. (Poster and Abstract)

Oliver, J., M. Reding, C. Ranger, P. Schultz, N. Youssef, J. Moyseenko, and A. Bray. 2012. Ambrosia beetle insecticide and biopesticide trials. Tennessee State University 34th Annual University-Wide Research Symposium, 26-30 Mar. 2012, Nashville, TN. (Poster and Abstract)

Youssef, N., **J. Oliver**, J. Basham, and W. Klingeman. 2012. The long-horned beetles (Cerambycids) of Tennessee. Tennessee State University 34th Annual University-Wide Research Symposium, 26-30 Mar. 2012, Nashville, TN. (Poster and Abstract)

Bray, A., B. Klingeman, **J.B. Oliver**, S. Reed, C. Ranger, N. Youssef, J. Grant, P. Lambdin, K. Nix, G. Haun, J. Keener, V. Mastro, M. Reding, P. Schultz, J. Moyseenko, and J. Basham. 2012. Walnut twig beetle trap development and treatments designed to liberate host volatiles. 23rd USDA Interagency Research Forum on Invasive Species. Jan. 10-13, 2012. Annapolis, MD. (Invited Oral Presentation and Proceeding)

Invited Bray, A., B. Klingeman, **J.B. Oliver**, S. Reed, C. Ranger, N. Youssef, J. Grant, P. Lambdin, G. Haun, J. Keener, S. Ochieng, V. Mastro, M. Reding, P. Schultz, J. Moyseenko, and J. Basham. 2011. Walnut twig beetle trap and lure development. Conference on Thousand Cankers Disease and Emerald Ash Borer in the Eastern United States. Nov. 30 - Dec. 2, 2011. Knoxville, TN.

Oliver, J.B., M.E. Reding, C.M. Ranger, P.B. Schultz, N. Youssef, J. Moyseenko, and A. Bray. 2011. Evaluation of chemical treatments for the management of granulate ambrosia beetle and camphor shot borer in nursery trees. The 59th Annual Meeting of the Entomological Society of America. Reno, NV. (Poster Presentation).

Youssef, N.N., **J.B. Oliver**, J.P. Basham, and W.E. Klingeman. 2011. The cerambycids (Coleoptera) of middle and eastern Tennessee from trapping, rearing, net and hand collecting. The 59th Annual Meeting of the Entomological Society of America. Reno, NV. (Poster Presentation).

Reding, M.E., C. Ranger, **J. Oliver**, and P.B. Schultz. 2011. Differential response of ambrosia beetles to various tree species injected with ethanol. The 59th Annual Meeting of the Entomological Society of America. Reno, NV. (Poster Presentation).

Schultz, P.B., C.M. Ranger, M.E. Reding, and **J. Oliver**. 2011. Using trap trees for minimizing risk of ambrosia beetle attacks in commercial nurseries. The 59th Annual Meeting of the Entomological Society of America. Reno, NV. (Poster Presentation).

Ranger, C.M., P.B. Schultz, S.D. Frank, **J.B. Oliver**, and M.E. Reding. 2011. Significance of water stress on the host-selection behavior and management of *Xylosandrus germanus* and other ambrosia beetles. The 59th Annual Meeting of the Entomological Society of America. Reno, NV. (Poster Presentation).

Bray, A.M., N. Youssef, W. Klingeman, P. Lambdin, K. Nix, and **J. Oliver**. 2011. Walnut twig beetle (*Pityophthorus juglandis*) in east Tennessee: testing trap types, height, and baits. The 59th Annual Meeting of the Entomological Society of America. Reno, NV. (Poster Presentation).

Invited Bray, A., B. Klingeman, **J.B. Oliver**, S. Reed, C. Ranger, N. Youssef, J. Grant, P. Lambdin, G. Haun, J. Keener, S. Ochieng, V. Mastro, M. Reding, P. Schultz, J. Moyseenko, and J. Basham. 2011. Efforts to develop traps and lures for walnut twig beetle. Thousand Cankers Disease - Technical Committee. 4 Oct. 2011. Knoxville, TN. (Presentation given by Oliver)

- Invited **Oliver, J.B.**, D. Fare, C. Ranger, N. Youssef, A. Bray, M. Halcomb, M. Reding, S. Ochieng, and J. Basham. 2011. Wood boring insect management in landscapes / nurseries and new invasive insects in Tennessee. Middle Tennessee Nursery Assoc. 30 Sept. 2011. McMinnville, TN.
- Invited **Oliver, J.B.**, A. Bray, W. Klingeman, S. Reed, C. Ranger, N. Youssef, G. Haun, J. Keener, J. Grant, P. Lambdin, S. Ochieng, V. Mastro, M. Reding, P. Schultz, J. Moyseenko, and J. Basham. 2011. Efforts to develop traps and lures for walnut twig beetle. USDA Forest Service Southern Region Forest Inventory and Analysis Unit. 21 Sept. 2011. Knoxville, TN.
- Invited Bray, A., **J.B. Oliver**, B. Klingeman, S. Reed, N. Youssef, G. Haun, J. Keener, C. Ranger, and J. Basham. 2011. Walnut twig beetle trap and lure development. Horticultural Inspection Society - Southern Chapter. 14 Sept. 2011. Knoxville, TN.
- Invited **Oliver, J.B.**, S. Ochieng, A. Callcott, M. Halcomb, N. Youssef, K. Vail, F. Mrema, A. Bray, C. Kimbro, J. Chandler, X. Wei, L. McAnally, C. Ranger, J. Moyseenko, T. Rinehart, G. Kirker, C. Werle, W. Haun, and S. Powell. 2011. Research to develop new treatments for imported fire ant quarantine certification of nursery stock. Horticultural Inspection Society - Southern Chapter. 14 Sept. 2011. Knoxville, TN.
- Oliver, J.B.** 2011. Bug out! Invasive insects to watch for. 2011 Small Farm Expo and Small Farmer Recognition Program. 8 Sept. 2011. TSU Otis Floyd Nursery Research Center, McMinnville, TN.
- Invited Bray, A., **J.B. Oliver**, W. Klingeman, S. Reed, N. Youssef, P. Lambdin, J. Grant, W. Haun, J. Keener, C. Ranger, and J. Basham. 2011. Evaluation of tree injection and other methods to attract walnut twig beetle to traps. Thousand Cankers Disease Workshop. 13 July 2011. Knoxville, TN. (Both Bray and Oliver presented)
- Wei, X., A. Callcott, C. Hinton, L. McAnally, **J. Oliver**, and N. Youssef. 2011. Promising insecticides and application techniques for quarantine level imported fire ant control of balled-and-burlapped nursery stock. 2011 Imported Fire Ant Conference, Galveston, TX. (April 4-7, 2011). (Poster Presentation and Abstract).
- Schultz, P.B., C.M. Ranger, M.E. Reding, and **J.B. Oliver**. 2011. Evaluating use of ethanol-baited traps and ethanol-injected trees as a trap crop strategy against ambrosia beetles. Pacific Branch of the Entomological Society of America. 27-30 Mar. 2011. Waikoloa, Hawaii. (Oral Presentation and Abstract).
- Werle, C.T., B.J. Sampson, **J.B. Oliver**, and C.I. Dilling. 2011. Diversity, abundance, and seasonality of ambrosia beetles in south Mississippi. Entomological Society of America Southeastern Branch, 19-22 Mar. 2011. San Juan, Puerto Rico. (Oral Presentation).

Oliver, J.B., V. Eschenbacher, and N.N. Youssef. 2011. Techniques to measure ambrosia beetle seasonal incidence and diurnal flight timing around nurseries. TSU 33rd Annual University-Wide Research Symposium. 14-18 Mar. 2011. Nashville, TN (Poster Presentation and Abstract).

Youssef, N.N., **J.B. Oliver**, and J.P. Basham. 2011. Evaluation of manuka and phoebe oil baited purple sticky traps for the capture of buprestids and cerambycids (Coleoptera) in middle Tennessee. TSU 33rd Annual University-Wide Research Symposium. 14-18 Mar. 2011. Nashville, TN (Poster Presentation and Abstract).

Invited

Oliver, J.B., A. Bray, N.N. Youssef, D.C. Fare, C.M. Ranger, M. Reding, S. Ochieng, M. Halcomb, S. Scholl, S. Cox, J. Moyseenko, and J. Basham. 2011. Borer management for nurseries and landscapes and new invasive species threats to Tennessee. Tennessee Nursery & Landscape Association. 14-15 February 2011. Pigeon Forge, TN (Oral Presentation)

Oliver, J.B., A. Bray, C.M. Ranger, S. Ochieng, N. Youssef, V. Mastro, M.E. Reding, P.B. Schultz, B. Klingeman, J. Moyseenko, and J. Basham. 2011. Evaluation of tree injections and other methods to attract wood borers and scolytid beetles to traps. USDA Research Forum on Invasive Species, 11-14 January 2011. Annapolis, MD (Invited Oral Presentation and Abstract)

Oliver, J.B., C.M. Ranger, M.E. Reding, P.B. Schultz, N.N. Youssef, and S.A. Ochieng. 2010. Comparison of different methods to assess seasonal and diurnal activity of ambrosia beetles (Coleoptera: Scolytinae). 2010 National Entomological Society Meeting. 12-15 Dec. 2010. San Diego, CA. (Poster Presentation)

Youssef, N.N., **J.B. Oliver**, and J.P. Basham. 2010. Evaluation of manuka and phoebe oil baited purple sticky traps for the capture of buprestids and cerambycids (Coleoptera) in middle Tennessee. 2010 National Entomological Society Meeting. 12-15 Dec. 2010. San Diego, CA. (Poster Presentation)

Reding, M., C. Ranger, **J. Oliver**, P. Schultz. 2010. Timing of ambrosia beetle attack activity monitored by ethanol-injected trees. 2010 National Entomological Society Meeting. 12-15 Dec. 2010. San Diego, CA. (Poster Presentation)

Schultz, P.B., **J. Oliver**, C. Ranger, and M. Reding. 2010. Evaluating crop methodologies for ambrosia beetle management in nurseries. 2010 National Entomological Society Meeting. 12-15 Dec. 2010. San Diego, CA. (Poster Presentation)

Ranger, C.M., M.E. Reding, P.B. Schultz, **J. Oliver**, J. Meneley, A. Persad, and S. Ochieng. 2010. Towards developing a push-pull management strategy for ambrosia beetles in ornamental nurseries. 2010 National Entomological Society Meeting. 12-15 Dec. 2010. San Diego, CA. (Poster Presentation)

Ranger, C.M., S. Ochieng, M.E. Reding, **J. Oliver**, and P.B. Schultz. 2010. Volatile emissions from ethanol-injected trap trees used for inducing attacks by ambrosia beetles. 2010 National Entomological Society Meeting. 12-15 Dec. 2010. San Diego, CA. (Poster Presentation)

Oliver, J.B., C.M. Ranger, M.E. Reding, P. Schultz, N. Youssef, and J. Moyseenko. 2010. Efficacy of insecticides and biopesticides against ambrosia beetle species in Tennessee nurseries and evaluation of plant stress factors related to tree attacks. 17th Ornamental Workshop on Diseases and Pests, Kanuga Conference Center, 20-24 Sept. 2010. Hendersonville, NC. (Poster Presentation)

Youssef, N., **J.B. Oliver**, and J.P. Basham. 2010. Evaluation of manuka oil baited purple sticky traps for the capture of buprestids and cerambycids (Coleoptera) in middle Tennessee. 17th Ornamental Workshop on Diseases and Pests, Kanuga Conference Center, 20-24 Sept. 2010. Hendersonville, NC. (Poster Presentation)

Oliver, J.B., S. Ochieng, N. Gawel, N. Youssef, F. Mrema, K. Vail, M. Halcomb, A. Callcott, X. Wei, L. McAnally, W.G. Haun, and S. Powell. 2010. Development of imported fire ant quarantine treatments for field-grown nursery stock. 17th Ornamental Workshop on Diseases and Pests, Kanuga Conference Center, 20-24 Sept. 2010. Hendersonville, NC. (Poster Presentation)

Oliver, J., K. Copley, N. Youssef, J. Basham, M. Halcomb, and W. Haun. 2010. The camphor shot borer - a new invasive ambrosia beetle in Tennessee with potential to affect the nursery industry. 17th Ornamental Workshop on Diseases and Pests, Kanuga Conference Center, 20-24 Sept. 2010. Hendersonville, NC. (Poster Presentation)

Hansen, J., W.E. Klingeman, J.K. Moulton, **J.B. Oliver**, N. Youssef, J. Basham, M.T. Windham, and R.N. Trigiano. 2010. Trap data reveal seasonal flight activities of buprestid beetle species in Tennessee. 17th Ornamental Workshop on Diseases and Pests, Kanuga Conference Center, 20-24 Sept. 2010. Hendersonville, NC. (Poster Presentation)

Youssef, N., **J. Oliver**, S. Ochieng, A. Callcott, K. Vail, M. Halcomb, F. Mrema, C. Kimbro, J. Chandler, X. Wei, L. McAnally, C. Ranger, J. Moyseenko, T. Rinehart, G. Kirker, C. Werle, W. Haun, and S. Powell. 2010. Fire ant management in nurseries. 17th Ornamental Workshop on Diseases and Pests, Kanuga Conference Center, 20-24 Sept. 2010. Hendersonville, NC. (Oral Presentation).

Oliver, J.B. 2010. Fire ant quarantine demonstration tent - how to properly drench a balled and burlapped nursery plant, estimate a 20% container volume on a container of unknown volume, and use a tractor-mounted Vicon spreader to apply fire ant baits. Tennessee Green Industry Field Day, 10 August 2010. McMinnville, TN (~ 10 growers in attendance).

Oliver, J.B., S. Ochieng, D. Fare, C. Ranger, M. Reding, N. Youssef, J. Moyseenko, M. Halcomb, and P. Schultz. 2010. Research to improve management of borers in Tennessee nurseries. Tennessee Green Industry Field Day, 10 August 2010. McMinnville, TN (Invited Oral Presentation - ~ 50 growers in attendance).

Oliver, J.B. 2010. Wood-boring insects in Tennessee. 2010 Small Farm Expo and Small Farmer Recognition Program. School of Agriculture and Consumer Sciences, Otis L. Floyd Nursery Research Center, 15 July 2010. McMinnville, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2010. Environmentally friendly delivery of bait attractant and toxicants to fire ants. Tennessee Innovation Conference and Venture Showcase. 10-11 May 2010. Loews Vanderbilt Hotel. Nashville, TN. (Oral Presentation and Summary Abstract). [Invited to be a Tennessee State University representative by Lou Svendsen, University Counsel, Tennessee Board of Regents]

Oliver, J.B., S. Ochieng, A. Callcott, K. Vail, N. Youssef, M. Halcomb, F. Mrema, C. Kimbro, J. Chandler, X. Wei, L. McAnally, C. Ranger, J. Moyseenko, T. Rinehart, G. Kirker, C. Werle, W. Haun, and S. Powell. 2010. Efforts to develop pre-harvest treatments for imported fire ant quarantine certification of field-grown nursery stock in Tennessee. 2010 Imported Fire Ant and Invasive Ant Conf. 19-22 Apr. 2010. Little Rock AR. (Oral Presentation and [Proceeding](#))

X. Wei, A. Callcott, C. Hinton, L. McAnally, **J. Oliver**, and N. Youssef. 2010. Various individual tree drench methods coupled with post-harvest burlap treatment as IFA quarantine treatment method for field grown B&B nursery stock. 2010 Imported Fire Ant and Invasive Ant Conf. 19-22 Apr. 2010. Little Rock AR. (Poster Presentation and [Proceeding](#))

Oliver, J.B., C.M. Ranger, M.E. Reding, P.B. Schultz, N.N. Youssef, and J.J. Moyseenko. 2010. Evaluation of insecticides, biopesticides, and stress treatments on tree attacks by ambrosia beetles. 32nd Annual University-Wide Research Sympos. Tenn. State Univ., 15-19 March 2010, Nashville, TN. (Poster Presentation and Abstract)

Youssef, N.N., **J.B. Oliver**, and J.P. Basham. 2010. Comparison of manuka oil baited and unbaited traps for the capture of buprestids and cerambycids. 32nd Annual University-Wide Research Sympos. Tenn. State Univ., 15-19 March 2010, Nashville, TN. (Poster Presentation and Abstract)

Invited **Oliver, J.B.**, D. Fare, C.M. Ranger, S. Ochieng, N. Youssef, S. Scholl, M.E. Reding, J. Moyseenko, M. Halcomb, P. Schultz, L. Castrillo, and J. Vandenberg. 2010. Update on research to manage imported fire ants, Japanese beetle, and other nursery-impacting pests. Tennessee Nursery & Landscape Association Winter Educational Workshop, 1-2 Feb. 2010. Pigeon Forge, TN. (Oral Presentation)

Oliver, J.B., D.C. Fare, N.N. Youssef, S.S. Scholl, M.E. Reding, C.M. Ranger, J.J. Moyseenko, and M.A. Halcomb. 2010. Evaluation of insecticides for flatheaded borer management in field grown red maples, pp. 253-258. In W. Klingeman (ed.), Proc. 55th Annual Southern Nursery Assoc. Research Conf. 21-22 Jan. 2010. ([Proceeding](#) and Oral Presentation).

Hansen, J., W. Klingeman, **J. Oliver**, K. Moulton, N. Youssef, and J. Basham. 2010. Seasonal flight activities of economically and aesthetically important buprestid beetle species in Tennessee, pp. 259-262. In W. Klingeman (ed.), Proc. 55th Annual Southern Nursery Assoc. Research Conf. 21-22 Jan. 2010. Mobile, AL. ([Proceeding](#) and Poster Presentation).

Oliver, J.B., C.M. Ranger, M.E. Reding, P. Schultz, N. Youssef, and J. Moyseenko. 2009. Efficacy of insecticides and biopesticides against ambrosia beetle species in Tennessee nurseries and evaluation of plant stress factors related to tree attacks. The 57th Annual Meeting of the Entomological Society of America. 13-16 Dec. 2009. Indianapolis, IN. (Poster Presentation)

Ranger, C.M., M.E. Reding, **J.B. Oliver**, J. Moyseenko, and N. Youssef. 2009. Acute toxicity of essential oils to Japanese beetle larvae and their corresponding mass spectral analysis. The 57th Annual Meeting of the Entomological Society of America. 13-16 Dec. 2009. Indianapolis, IN. (Poster Presentation)

Ranger, C.M., M.E. Reding, **J.B. Oliver**, and P. Schultz. 2009. Electrophysiological and behavioral responses of the ambrosia beetle, *Xylosandrus germanus*, to repellent formulations. The 57th Annual Meeting of the Entomological Society of America. 13-16 Dec. 2009. Indianapolis, IN. (Poster Presentation)

Ranger, C.M., M.E. Reding, **J.B. Oliver**, and P. Schultz. 2009. Development of an odor-based trap tree strategy for ambrosia beetles infesting ornamental nurseries. The 57th Annual Meeting of the Entomological Society of America. 13-16 Dec. 2009. Indianapolis, IN. (Poster Presentation)

Reding, M.E., C.M. Ranger, P.B. Schultz, and **J.B. Oliver**. 2009. Monitoring ambrosia beetles with ethanol injected sentinel trees and ethanol baited bottle traps in ornamental nurseries. The 57th Annual Meeting of the Entomological Society of America. 13-16 Dec. 2009. Indianapolis, IN. (Poster Presentation)

Schultz, P.B., C.M. Ranger, M.E. Reding, and **J.B. Oliver**. 2009. Efficacy of conventional and bio-pesticides against ambrosia beetle species in Virginia and Ohio nurseries. The 57th Annual Meeting of the Entomological Society of America. 13-16 Dec. 2009. Indianapolis, IN. (Poster Presentation)

Youssef, N., **J.B. Oliver**, and J.P. Basham. 2009. Evaluation of manuka oil baited purple sticky traps for the capture of buprestids and cerambycids (Coleoptera) in middle Tennessee. The 57th Annual Meeting of the Entomological Society of America. 13-16 Dec. 2009. Indianapolis, IN. (Poster Presentation)

Oliver, J.B., C.M. Ranger, M.E. Reding, and P. Schultz. 2009. Advances in understanding ambrosia beetle chemical ecology and utilizing the findings to improve insecticide management. Thousand Cankers Black Walnut National Conference. 3-4 November 2009. St. Louis, MO. (Oral Presentation)

Invited

- Invited Ranger, C.M., **J.B. Oliver**, M.E. Reding, P. Schultz, L. Castrillo, and J. Vandenberg. 2009. Advances in understanding ambrosia beetle chemical ecology and utilizing the findings to improve insecticide management. Thousand Cankers Black Walnut National Conference. 3-4 November 2009. St. Louis, MO. (Oral Presentation)
- Invited **Oliver, J.B.**, S. Ochieng, N. Gawel, N. Youssef, F. Mrema, K. Vail, M. Halcomb, A. Callcott, X. Wei, L. McAnally, W.G. Haun, and S. Powell. 2009. Development of imported fire ant quarantine treatments for field-grown nursery stock. USDA-ARS Floriculture and Nursery Research Initiative Meeting. 14-17 October 2009. Cleveland, OH. (Poster Presentation, Proceeding Summary, and Concept Paper).
- Invited **Oliver, J.B.** 2009. Recognizing and managing borers. Tennessee State University Cooperative Extension Program, Ornamental and Turfgrass Pest Management Workshop. 9 September 2009. Nashville, TN. (Oral Presentation).
- Oliver, J.B.** 2009. Current research and extension activities. Tennessee State University School of Agriculture & Consumer Sciences Faculty Retreat. 20-21 July 2009. Nashville, TN. (Oral Presentation and 2 Page Research Summary).
- Invited **Oliver, J.B.** and S.A. Ochieng. 2009. Update on the development of new quarantine treatments to manage imported fire ants in commercial field nurseries. Tennessee Green Industry Field Day. Tennessee State University Otis L. Floyd Nursery Research Center, 4 Aug. 2009. McMinnville, TN. (Oral Presentation - 220+ growers)
- Invited **Oliver, J.B.** 2009. Imported fire ants: nursery research. Tennessee Association of Agricultural Agents and Specialists (University of Tennessee and Tennessee State University) as part of tour of Otis L. Floyd Nursery Research Center. 16 April 2009. McMinnville, TN. (Oral Presentation - 19 participants)
- Invited **Oliver, J.B.** and S. Ochieng. 2009. Update on fire ant research results. Nursery grower stakeholder meeting with Jerry Blankenship, Jon Flanders, Tim Gallagher, Jack Odom, Nathan Scott, and Eric Walker. Also attending were Dr. Nick Gawel and Mark Halcomb (Univ. Tenn. Nursery Extension Specialist). Otis L. Floyd Nursery Research Center Conf. Room. 27 May 2009. McMinnville, TN. (6 page summary handout and also short PowerPoint)
- Oliver, J.B.**, C. Ranger, M.E. Reding, J.J. Moyseenko, and N.N. Youssef. 2009. Treating field-grown nursery stock for Japanese beetle quarantine certification using conventional and biorational insecticides applied by a grower irrigation technique, pp. 189-190. *In* 1890 Research: Sustainable Solutions for the 21st Century. Association of Research Directors, Inc. 28 March - 1 April 2009. Atlanta, GA. (Poster Presentation and Abstract)
- Oliver, J.B.**, C. Ranger, M.E. Reding, J.J. Moyseenko, and N.N. Youssef. 2009. Pre-harvest irrigation: opportunity to apply biorational and conventional insecticides against Japanese beetle larvae in nurseries. Tennessee State University 31st Annual University-Wide Research Symposium. 30-31 March 2009. Nashville, TN. (Poster Presentation and Abstract)

Oliver, J.B., M. Mmbaga, S. Ochieng, E. Ekanem, A. Callcott, and M. Halcomb. 2009. Development of biopesticides to enhance safety of pesticide handlers. NIOSH Grant Panel Site Review of the Southern Coastal Agromedicine Center. East Carolina University. 26 Feb. 2009. Greenville, NC. (Oral Presentation)

Invited **Oliver, J.B.** 2009. Fire ant research update. Middle Tennessee Nursery Association Monthly Meeting. 19 Feb. 2009. McMinnville, TN. (Oral Presentation)

Oliver, J.B., D.C. Fare, C.M. Ranger, N.N. Youssef, S. Scholl, M.A. Halcomb, M.E. Reding, and J.J. Moyseenko. 2009. Leafhopper control in field-grown red maples with systemic insecticides, pp. 158-162. In W.F. Klingeman (ed.), Proc. of Southern Nursery Association Annual Research Conference. 12-13 Feb. 2009. Atlanta, GA. (Poster Presentation and [Proceeding](#)).

Invited **Oliver, J.B.**, N. Youssef, D. Fare, M. Reding, C. Ranger, S. Scholl, J. Moyseenko, and M. Halcomb. 2009. Borers: general information and management for the nursery and landscape. Tennessee Nursery and Landscape Association Winter Educational Workshop. 2 Feb. 2009. Pigeon Forge, TN. (Oral Presentation)

Invited **Oliver, J.**, N. Youssef, D. Fare, M. Reding, C. Ranger, S. Scholl, J. Moyseenko, and M. Halcomb. 2008. Potential techniques for changing flatheaded borer management in field production nurseries. National Entomological Society of America Annual Meeting Ornamentals Symposium. 16-19 Nov. 2008. Reno, NV. (Oral Presentation Prepared by Oliver and Given by Youssef)

Invited **Oliver, J.B.** 2008. Imported fire ants - general information, issues, and management in turfgrass and landscapes. Tennessee State University Cooperative Extension Program, Ornamental and Turfgrass Pest Management Workshop. 16 September 2008. Nashville, TN. (Oral Presentation).

Oliver, J.B., R.K. Vander Meer, S.A. Ochieng, N.N. Youssef, E. Pantaleoni, M.Y. Hosack, F.A. Mrema, K.M. Vail, J. Parkman, S.M. Valles, W.G. Haun, and S. Powell. 2008. Survey of imported fire ant populations in Tennessee and implications for biological control. 30th Annual University-Wide Research Sympos. Tenn. State Univ., 31 March - 3 April 2008, Nashville, TN. (Poster Presentation and Abstract)

Youssef, N.N., **J. Oliver**, M. Reding, C. Ranger, and J. Moyseenko. 2008. Plant repellency of essential oils to Japanese beetle (*Popillia japonica* Newman). 30th Annual University-Wide Research Sympos. Tenn. State Univ., 31 March - 3 April 2008, Nashville, TN. (Poster Presentation and Abstract)

Oliver, J.B., R.K. Vander Meer, S.A. Ochieng, N.N. Youssef, E. Pantaleoni, M.Y. Hosack, F.A. Mrema, K.M. Vail, J. Parkman, S.M. Valles, W.G. Haun, and S. Powell. 2008. Statewide survey of imported fire ant species in Tennessee. Proc. Imported Fire Ant and Invasive Ant Conference. 24-26 March 2008. Charleston, SC. (Poster Presentation and [Abstract](#))

- Invited **Oliver, J.B.** 2008. Tennessee Fire Ant Research and Education Team (FARET). Tennessee General Assembly House Agriculture Committee for presentation given to Committee. State Capitol Building. 29 Jan. 2008. Nashville, TN. (Oral Presentation and Summary Handout - Note: Second author on written summary given to House Ag. Committee, but first author on my part of oral presentation).
- Youssef, N., **J. Oliver**, M. Reding, C. Ranger, and J. Moysenko. 2007. Plant repellency of essential oils to Japanese beetles (*Popillia japonica* Newman). The 55th Annual Meeting of the Entomol. Soc. Amer. 9-12 December 2007. San Diego, CA. (Poster Presentation)
- Reding, M., **J. Oliver**, and P.B. Schultz. 2007. Monitoring the ambrosia beetle complex in ornamental nurseries in Ohio, Tennessee, and Virginia: influences of trap height. The 55th Annual Meeting of the Entomol. Soc. Amer. 9-12 December 2007. San Diego, CA. (Poster Presentation and Abstract)
- Hansen, J., W. Klingeman, K. Moulton, M. Windham, and **J. Oliver**. 2007. Phylogenetic analysis of the *Chrysobothris femorata* complex (Coleoptera: Buprestidae). The 55th Annual Meeting of the Entomol. Soc. Amer. 9-12 December 2007. San Diego, CA. (Oral Presentation)
- Invited **Oliver, J.B.** 2007. Field demonstration of dipping, drenching, floodjet, and flatfan spray technologies for applying Japanese beetle and imported fire ant quarantine treatments. International Plant Propagators Society touring the TSU Otis L. Floyd Nursery Research Center. 30 Oct. 2007. McMinnville, TN. (Oral Presentation - 400 participants)
- Invited **Oliver, J.B.** 2007. Update on entomology program powerpoint presentation and a field demonstration on root ball dipping, drenching, and floodjet and flatfan spary technologies for applying Japanese beetle and imported fire ant quarantine treatments. Given to scientists and extension professionals as part of The IR-4 Project (for minor use crops) touring the TSU Otis L. Floyd Nursery Research Center. 17 Oct. 2007. McMinnville, TN.
- Invited **Oliver, J.B.** 2007. Fire ant management and other information for commercial nurseries and landscape settings. Tennessee Green Industry Field Day. Williamson County Ag Expo Park, 21 August 2007. Franklin, TN. (Oral Presentation)
- Mizell, R.F. and **J.B. Oliver**. 2007. Biology, prevention, and management of woodboring insects in woody landscape plants. Integrated Pest Management Update for 2007. 22 May 2007. University of Florida. Four separate talks presented at West Palm Beach, Homestead, Central Florida Research Center, and Mid-Florida Research Center. Subsequently telecast to other sites around Florida. (Oral Presentation)
- Invited **Oliver, J.B.** 2007. Imported fire ant issues: Tennessee Department of Agriculture nursery grower stakeholder meeting. Tennessee State University Otis L. Floyd Nursery Research Center, 12 April 2007. McMinnville, TN. (Oral Presentation)

Oliver, J.B., S. James, S. Ochieng, N. Youssef, K. Vail, M. Halcomb, T. Rashid, J. Parkman, W. Haun, and A. Callcott. 2007. Evaluation of USDA Insecticide band treatment protocols for quarantine control of imported fire ant in Tennessee. 29th Annual University-Wide Research Sympos. Tenn. State Univ., 27-29 March 2007, Nashville, TN. (Poster Presentation and Abstract)

Youssef, N., **J.B. Oliver**, D.C. Fare, S. Scholl, J. Francese, I. Fraser, V. Mastro, W. Klingeman, and D. Boyd. 2007. The development of a flat-headed borer trap: a six year process. 29th Annual University-Wide Research Sympos. Tenn. State Univ., 27-29 March 2007, Nashville, TN. (Poster Presentation and Abstract)

Dennis, S.O. and **J. Oliver**. 2007. Persistence of an insecticide used in dip treatment of Japanese beetle grubs and imported fire ants in nursery soils. 2007 Annual Meeting of the American Society of Agronomy Southern Branch. 4-6 February 2007. Mobile, AL. (Oral Presentation and Abstract)

Invited **Oliver, J.B.** 2007. Imported fire ants and the Tennessee nursery industry. BWI and Syngenta Crop Protection, Inc. sponsored Nursery Grower Workshop. Tennessee State University Otis L. Floyd Nursery Research Center, 12 February 2007. McMinnville, TN. (Oral Presentation)

Mizell, R.F. and **J.B. Oliver**. 2007. Outlook on boring insect problems in field and container production. Central Florida Nursery Production School. 20 Feb. 2007. Bushnell, FL. (Oral Presentation)

Invited **Oliver, J.B.** 2007. Managing borers in the landscape and nursery. McMinnville Master Gardner's Meeting. McMinnville City County Building. 18 January 2007. McMinnville, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2007. Fire ant identification and management in turfgrass and ornamentals. Tennessee State University, Cooperative Extension Program. Ornamental and Turfgrass Workshop. 16 January 2007. Nashville, TN. (Oral Presentation)

Francese, J., I. Fraser, **J. Oliver**, N. Youssef, D.R. Lance, and V.C. Mastro. 2006. Effects of trap placement and design on capture of *Agrilus planipennis*. 2006 National Entomol. Soc. America Meeting, 10-13 December 2006. Indianapolis, IN. (Poster Presentation)

Youssef, N., **J. Oliver**, D. Fare, S. Scholl, J. Francese, I. Fraser, V. Mastro, B. Klingeman, and D. Boyd. 2006. Multi-state buprestid collections resulting from the development of a purple-colored sticky trap. 2006 National Entomol. Soc. America Meeting, 10-13 December 2006. Indianapolis, IN. (Poster Presentation)

Dennis, S.O., **J. Oliver**, and E.K. Dzantor. 2006. Degradation of an insecticide used in the quarantine treatment of Japanese beetle in soils. 70th Soil Science Society of America Annual Meeting, 12-16 November 2006. Indianapolis, IN. (Oral Presentation and Abstract)

- Invited **Oliver, J.B.**, D. Fare, N. Youssef, S. Scholl, M. Halcomb, F. Hale, M. Reding, and J. Moysenko. 2006. Managing borers in the landscape and nursery. Middle Tennessee Nursery Association Tradeshow and Educational Workshop. 6 October 2006. McMinnville, TN. (Oral Presentation)
- Oliver, J.B.**, S. James, S. Ochieng, N.N. Youssef, K. Vail, M.A. Halcomb, T. Rashid, J. Parkman, W.G. Haun, and A. Callcott. 2006. Evaluation of USDA-APHIS-PPQ band treatment protocols for management of hybrid imported fire ant in Tennessee field nursery stock, pp. 159-164. In D. Held [Ed.], Proc. 51st Ann. Southern Nurs. Assoc. Res. Conf. 9-10 Aug. 2006. Atlanta, GA. (Poster Presentation and [Proceeding](#))
- Dennis, S.O., **J. Oliver**, E.K. Dzantor, and P. Nveawiah-Yoho. 2006. Persistence of chlorpyrifos used in dip treatment of Japanese beetle grubs, pp. 549-551. In M. Taylor [Ed.], Proc. 51st Ann. Southern Nurs. Assoc. Res. Conf. 9-10 Aug. 2006. Atlanta, GA. ([Proceeding Only](#)).
- Invited Vogt, J.T. and **J.B. Oliver**. 2006. Fire ants – how to protect your employees and your business. Tennessee Green Industry Field Day. Tennessee State University Otis L. Floyd Nursery Research Center. 22 August 2006. McMinnville, TN. (Joint oral presentation with J.T. Vogt)
- Wang, M., **J. Oliver**, and N. Youssef. 2006. Potential fire ant repellents from plant oils. Proceedings XV Congress International Union for the Study of Social Insects. 30 July – 4 August 2006. Washington, D.C. (Poster Presentation and Abstract)
- Invited **Oliver, J.B.** 2006. Imported fire ants: Tennessee Department of Agriculture nursery grower stakeholder meeting. Tennessee State University Otis L. Floyd Nursery Research Center. 6 June 2006. McMinnville, TN. (Oral Presentation)
- Youssef, N.N. and **J.B. Oliver**. 2006. Comparison of four different trap types for the collection of Asian and other species of ambrosia beetles. 28th Ann. University-Wide Research Symposium. 3-6 April 2006. Nashville, TN. (Poster Presentation and Abstract)
- Oliver, J.B.**, R. Vander Meer, N.N. Youssef, S.A. Ochieng, W.G. Haun, M. Hosack, and S.D. Powell. 2006. Species composition of imported fire ants in the state of Tennessee and implications for future biological control programs, pp. 123. *In* Association of Research Directors, Inc. 14th Biennial Research Symposium, 1-5 April 2006, Atlanta, GA. (Oral Presentation and Abstract).
- Dennis, S.O., **J. Oliver**, K. Dzantor, and P.N. Yoho. 2006. Degradation of chlorpyrifos in nursery soils in middle Tennessee, pp. 135. *In* Association of Research Directors, Inc. 14th Biennial Research Symposium, 1-5 April 2006, Atlanta, GA. (Oral Presentation and Abstract)
- Ochieng, S. and **J. Oliver**. 2006. Controlling red imported fire ant using repellent essential oils, pp. 137. *In* Association of Research Directors, Inc. 14th Biennial Research Symposium, 1-5 April 2006, Atlanta, GA. (Oral Presentation and Abstract).

Youssef, N.N. and **J.B. Oliver**. 2006 Comparison of four different trap types for the collection of Asian and other species of ambrosia beetles, pp. 276-277. *In* Association of Research Directors, Inc. 14th Biennial Research Symposium, 1-5 April 2006, Atlanta, GA. (Poster Presentation and Abstract).

Rashid, T., P. Parkman, **J. Oliver**, and K. Vail. 2006. Mortality response of red, black and hybrid imported fire ants to insecticide treated soil in laboratory bioassays, pp. 31-33. *In* L.C. Graham [ed.], Proc. 2006 Ann. Red Imported Fire Ant Conf., 28-30 March 2006. Mobile, AL. (Oral Presentation and [Proceeding](#))

Wang, M., **J. Oliver**, and D. Fare. 2006. Fire ant repellents from plant extracts, pp. 52-53. *In* L.C. Graham [ed.], Proc. 2006 Ann. Red Imported Fire Ant Conf., 28-30 March 2006. Mobile, AL. (Oral Presentation and [Proceeding](#))

Rashid, T., P. Parkman, **J. Oliver**, and K. Vail. 2006. Using population index and foraging activity to evaluate broadcast applications of baits and granular insecticides for imported fire ants, pp. 122-124. *In* L.C. Graham [ed.], Proc. 2006 Ann. Red Imported Fire Ant Conf., 28-30 March 2006. Mobile, AL. (Oral Presentation and [Proceeding](#))

Invited **Oliver, J.B.** 2006. Review of Japanese beetle biology and the Domestic Harmonization Plan. University of Kentucky, Nursery Winter Workshop: Invasive Insects and Weed Management. 8 Feb. 2006. Lexington, KY. (Oral Presentation)

Invited **Oliver, J.B.** 2006. Fire ant update: identification, distribution, and prevention. University of Kentucky, Nursery Winter Workshop: Invasive Insects and Weed Management. 8 Feb. 2006. Lexington, KY. (Oral Presentation)

Invited **Oliver, J.B.** 2006. Asian ambrosia beetle: damage, trapping, identification, and control. University of Kentucky, Nursery Winter Workshop: Invasive Insects and Weed Management. 8 Feb. 2006. Lexington, KY. (Oral Presentation)

Invited **Oliver, J.B.** 2006. Trapping and controlling borer pests of nursery crops. University of Kentucky, Nursery Winter Workshop: Invasive Insects and Weed Management. 8 Feb. 2006. Lexington, KY. (Oral Presentation)

Invited **Oliver, J.B.** 2006. Managing borers in the landscape and nursery. Tennessee Nursery and Landscape Association Winter Education and Exhibits. 6 Feb. 2006. Pigeon Forge, TN. (Oral Presentation)

Dennis, S.O., **J. Oliver**, D. Duseja, and P. Nveawiah-Yoho. 2006. Persistence of bifenthrin and chlorpyrifos in nursery soils. American Society of Agronomy Southern Branch. 5 Feb. 2006. Orlando, FL. (Poster Presentation and Abstract)

Francesse, J.A., **J.B. Oliver**, I. Fraser, N. Youssef, D.R. Lance, D.J. Crook, and V.C. Mastro. 2006. Effects of trap design and placement on capture of emerald ash borer, *Agrilus planipennis*, pp. 41. In K.W. Gottschalk [ed.], Proceedings 17th USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species. 10-13 Jan. 2006. Annapolis, MD. (Poster Presentation and Abstract).

Poland, T., D. Crook, J. Francesse, **J. Oliver**, G. Otis, P. de Groot, G. Grant, L. MacDonald, D. McCullough, I. Fraser, D. Lance, V. Mastro, N. Youssef, T. Turk, and M. Youngs. 2006. Toward the development of survey trapping technology for the emerald ash borer, pp. 4-5. In K.W. Gottschalk [ed.], Proceedings 17th USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species. 10-13 Jan. 2006. Annapolis, MD. (Oral Presentation and Abstract).

Invited **Oliver, J.B.** 2005. Ecological approaches to the management of wood-borers in the nursery and landscape. 53rd National Entomol. Soc. Am. Ann. Meeting, 15-18 Dec. 2005. Fort Lauderdale, FL. (Symposium Presentation and [Abstract](#))

Youssef, N.N. and **J.B. Oliver**. 2005. Comparison of four different trap types for the collection of Asian and other species of ambrosia beetles. 53rd National Entomol. Soc. Am. Ann. Meeting, 15-18 Dec. 2005. Fort Lauderdale, FL. (Poster Presentation)

Invited **Oliver, J.B.**, S. Ochieng, and M.T. Mmbaga. 2005. Entomology research related to agromedicine at the Tennessee State University Otis L. Floyd Nursery Research Center. Southern Coastal Agromedicine Center, 25 Oct. 2005. Greenville, NC. (Oral Research Forum Presentation)

Ochieng, S.A. and **J.B. Oliver**. 2005. Control of red imported fire ants using plant-produced repellents. In W.G. Haun. [Ed.]. Proc 32nd Ann. Meeting Tennessee Entomol. Soc. 13-14 Oct. 2005. Nashville, TN. (Oral Presentation and Abstract)

Francesse, J.A., **J. Oliver**, I. Fraser, N. Youssef, D.R. Lance, D.J. Crook, and V.C. Mastro. 2005. Effects of trap design and placement on capture of emerald ash borer, *Agrilus planipennis*, pp. 57-58. In V. Mastro, R. Reardon, and G. Parra [eds.], Emerald Ash Borer Research and Technology Development Meeting. 26-27 September 2005. Pittsburgh, PA. (Oral Presentation and [Abstract](#))

Fraser, I., J.A. Francesse, D.R. Lance, D. Crook, **J.B. Oliver**, N. Youssef, and V.C. Mastro. 2005. Effects of tree wounding and banding on emerald ash borer capture, pp. 59-60. In V. Mastro, R. Reardon, and G. Parra [eds.], Emerald Ash Borer Research and Technology Development Meeting. 26-27 September 2005. Pittsburgh, PA. (Oral Presentation and [Abstract](#))

Invited **Oliver, J.B.** 2005. Fire ant issues and problems: TSU & CPHST (Gulfport, MS) perspective. (presentation made on behalf of CPHST Gulfport, MS Lab). National Plant Board Imported Fire Ant Committee and PPQ IFA Program, 13 Sep. 2005. Nashville, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2005. Fire ant treatments under development. National Plant Board Imported Fire Ant Committee and PPQ IFA Program, 14 Sep. 2005. Nashville, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2005. Update on phorid fly and other biocontrol agents. National Plant Board Imported Fire Ant Committee and PPQ IFA Program, 14 Sept. 2005. Nashville, TN. (Oral Presentation)

Oliver, J.B., F.A. Hale, N.N. Youssef, and M.A. Halcomb. 2005. Management strategies for Asian ambrosia beetle in commercial nurseries, pp. 205-209. In D. Held [Ed.]. Proc. 50th Ann. Southern Nursery Assoc. Res. Conf. 10-11 Aug. 2005. Atlanta, GA. (Poster Presentation and [Proceeding](#)).

Dennis, S.O., **J.B. Oliver**, N.N. Youssef, and P. N. Yoho. 2005. Degradation of chlorpyrifos in soil: influence of water application rate and soil organic carbon. In M. Taylor [ed.], Proc. Southern Nursery Assoc. 50th Ann. Res. Conf., 10-11 Aug. 2005. Atlanta, GA. ([Proceeding](#)).

Rashid, T., K. Vail, and **J. Oliver**. 2005. Cool season applications of baits and/or chemical drenches to individual mounds of imported fire ants, 210-212. In D. Held [Ed.]. Proc. 50th Ann. Southern Nursery Assoc. Res. Conf. 10-11 Aug. 2005. Atlanta, GA. (Oral Presentation and [Proceeding](#)).

Oliver, J.B. 2005. Key “take home points” I got from the Association of Research Directors / Association of Extension Administrators Conference, New Orleans, LA. 24 Jun. 2005. Tennessee State University, Departmental Presentation. Nashville, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2005. Managing fire ants in home lawns (and nurseries). Franklin County Dogwood Arts Festival. 15 Apr. 2005. Winchester, TN. (Oral Presentation)

Oliver, J., J. Francese, N. Youssef, V. Mastro, D. Lance, I. Fraser, and D. Fare. 2005. Evaluation of the design and site placement of various traps for the collection of emerald ash borer. In M.E. Lewis [ed.], Proc. 27th Ann. University-Wide Res. Sympos. Tennessee State University. 29-31 March 2005. Nashville, TN. Poster Presentation. (Poster Presentation and Abstract)

Youssef, N., **J.B. Oliver**, D.C. Fare, and S. Scholl. 2005. Diurnal activity of buprestids as indicated by purple sticky trap collection. In M.E. Lewis [ed.], Proc. 27th Ann. University-Wide Res. Sympos. Tennessee State University, 29-31 March 2005. Nashville, TN. (Poster Presentation and Abstract)

James, S., **J. Oliver**, A.M. Callcott, M. Klein, J. Moyseenko, N. Youssef, and L. McAnally. 2005. Immersion treatments for imported fire ant quarantine with consideration for Japanese beetle grubs, pp. 49-52. In A. Callcott [ed.], Proc. Ann. Red Imported Fire Ant Conf. 22-24 March 2005. Gulfport, MS. (Oral Presentation and [Proceeding](#))

Rashid, T., K. Vail, P. Parkman, and **J. Oliver**. 2005. Cool-season applications of baits and/or chemical drenches to individual mounds, pp. 37-40. *In* A. Callcott [ed.], Proc. Ann. Red Imported Fire Ant Conf. 22-24 March 2005. Gulfport, MS. (Oral Presentation and [Proceeding](#))

Parkman, P., K. Vail, T. Rashid, **J. Oliver**, R. Pereira, S.D. Porter, M. Shires, G. Haun, S. Powell, L. Thead, and J. T. Vogt. 2005. Establishment and spread of *Pseudacteon curvatus* in Tennessee, pp. 111-112. *In* A. Callcott [ed.], Proc. Ann. Red Imported Fire Ant Conf. 22-24 March 2005. Gulfport, MS. (Oral Presentation and [Proceeding](#))

Invited **Oliver, J.B.** and N. Youssef. 2005. Using traps to monitor Asian ambrosia beetle around your nurseries. Middle Tennessee Nursery Association Monthly Meeting, 17 Mar. 2005. McMinnville, TN. (Oral Presentation)

Francese, J.A., **J.B. Oliver**, I. Fraser, N. Youssef, D.R. Lance, D.J. Crook, and V.C. Mastro. 2005. Effects of trap design and placement on capture of emerald ash borer, *Agrilus planipennis* Fairmaire (Coleoptera: Buprestidae). *In* K.W. Gottschalk [ed.], Proc. 16th USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species, 2005. 18-21 January 2005. Annapolis, MD. (Poster Presentation Only). (**Note: Authorship order and title changed on actual poster presented at meeting**).

Oliver, J.B., N.N. Youssef, J.A. Francese, V.C. Mastro, D.R. Lance, I. Fraser, and D. Fare. 2004. Field studies to develop an emerald ash borer regulatory survey trap by capitalizing on color preferences in the family Buprestidae. 52nd National Entomol. Soc. Am. Ann. Meeting, 14-17 Nov. 2004. Salt Lake City, UT. (Poster Presentation)

Youssef, N.N., **J.B. Oliver**, D.C. Fare, and S. Scholl. 2004. Diurnal activity of buprestids as indicated by purple sticky trap collection. 52nd National Entomol. Soc. Am. Ann. Meeting, 14-17 Nov. 2004. Salt Lake City, UT. (Poster Presentation)

Francese, J.A., V.C. Mastro, **J.B. Oliver**, N. Youssef, D.R. Lance, I. Fraser, and S.G. Lavallee. 2004. Influence of color on capture of *Agrilus planipennis* in Michigan. 52nd National Entomol. Soc. Am. Ann. Meeting, 14-17 Nov. 2004. Salt Lake City, UT. (Poster Presentation and [Abstract](#))

Fraser, I., J.A. Francese, D.R. Lance, V.C. Mastro, **J.B. Oliver**, and N.N. Youssef. 2004. Effectiveness of colored tree bands to trap emerald ash borer (*Agrilus planipennis*). 52nd National Entomol. Soc. Am. Ann. Meeting, 14-17 Nov. 2004. Salt Lake City, UT. (Poster Presentation)

James, S., **J.B. Oliver**, A.-M. Callocott, M. Klein, J. Moyseenko, and N. Youssef 2004. Potential imported fire ant quarantine dips for balled and burlapped plants with consideration for Japanese beetle grubs. 52nd National Entomol. Soc. Am. Ann. Meeting, 14-17 Nov. 2004. Salt Lake City, UT. (Oral Presentation and [Abstract](#))

Invited **Oliver, J.B.** 2004. Insect borers affecting nursery and landscape plants and minor fruit crops. Southern Region Pest Management Center, Southern Region IPM Center, and USDA-CSREES Insect Borer Workshop, 4-5 Nov. 2004. Orlando, FL. (Oral Presentation and Abstract).

Oliver, J.B., N.N. Youssef, and M.A. Halcomb. 2004. Evaluation of multiple traps for monitoring ambrosia beetles near Tennessee production nurseries. *In* G. Haun [ed.], Tennessee Entomological Society, 14-15 October 2004, Nashville, TN. (Oral Presentation and Abstract)

Vogt, J.T. and **J.B. Oliver**. 2004. Trends in imported fire ant (*Solenopsis richteri* Forel and *S. richteri x invicta*) infestation in recently invaded Tennessee ball and burlap nurseries. *In* G. Haun [ed.], Tennessee Entomological Society Firefly, 14-15 October 2004, Nashville, TN. (Oral Presentation)

Vail, K., T. Rashid, J. Parkman, R. Pereira, **J. Oliver**, M. Shires, S. Porter, G. Haun, S. Powell, L. Thead, J.T. Vogt, and A-M. Callcott. 2004. Phenomenal fire ant decapitating fly recovery in Tennessee. *In* G. Haun [ed.], Tennessee Entomological Society Firefly, 14-15 October 2004, Nashville, TN. (Oral Presentation)

Oliver, J.B., J.A. Francese, I. Fraser, D.R. Lance, V.C. Mastro, and N. Youssef. 2004. Studies to develop an emerald ash borer survey trap: I. Trap design, trap location, and tree damage, pp. 60-61. *In* V. Mastro and R. Reardon [eds.], Emerald Ash Borer Research and Technology Development Meeting, 5-6 October 2004. Romulus, MI. (Oral Presentation and [Abstract](#))

Francese, J.A., I. Fraser, D.R. Lance, V.C. Mastro, **J.B. Oliver**, and N. Youssef. 2004. Studies to develop an emerald ash borer survey trap: II. Comparison of colors, p. 62. *In* V. Mastro and R. Reardon [eds.], Emerald Ash Borer Research and Technology Development Meeting, 5-6 October 2004. Romulus, MI. (Oral Presentation and [Abstract](#))

Fraser, I., J.A. Francese, D.R. Lance, V.C. Mastro, **J.B. Oliver**, and N. Youssef. 2004. Studies to develop an emerald ash borer survey trap: III. Tree banding, p. 63. *In* V. Mastro and R. Reardon [eds.], Emerald Ash Borer Research and Technology Development Meeting, 5-6 October 2004. Romulus, MI. (Oral Presentation and [Abstract](#))

Invited **Oliver, J.B.** 2004. Current research on fire ant. Education Session of Middle Tennessee Nursery Association, 1 Oct. 2004. McMinnville, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2004. Container insect pests: soil-borne and trunk attacking. Presented to the USDA Commodity Profile and Pest Management Strategic Plan for the Southern Region Pest Management Center – Assessment of Pest Management Practices for Container Tree Production in USDA Hardiness Zones 6 – 8, 27-28 Sep. 2004. Biloxi, MS. (Oral Presentation and Written Crop Commodity Profile)

Oliver, J.B., N.N. Youssef, and M.A. Halcomb. 2004. Comparison of different trap types for collection of Asian ambrosia beetle, pp. 158-163. In J.B. Oliver [ed.], Proc. 49th Ann. Southern Nursery Assoc. Res. Conf. 11-12 Aug. 2004. Atlanta, GA. (Oral Presentation and [Proceeding](#)).

Youssef, N.N., **J.B. Oliver**, M.G. Klein, and J.J. Moyseenko. 2004. Botanical extracts as potential Japanese beetle repellants, pp. 164-167. In J.B. Oliver [ed.], Proc. 49th Ann. Southern Nursery Assoc. Res. Conf. 11-12 Aug. 2004. Atlanta, GA. (Oral Presentation and [Proceeding](#)).

Dennis, S.O., **J. Oliver**, P. Nveawiah-Yoho, and B. Sheshahala. 2004. Soil pH and organic carbon under rain-fed condition in nursery stock quarantine treatment of Japanese beetle, pp. 526-529. In S.O. Dennis [ed.], Proc. 49th Ann. Southern Nurs. Assoc. Res. Conf. 11-12 Aug. 2004. Atlanta, GA. ([Proceeding](#)).

Mmbaga, M.T., **J. Oliver**, M. Keri, and N. Youssef. 2004. The potential of biorational products in the management of insect and foliage diseases, pp. 224-230. In S.N. Jeffers [ed.], Proc. 49th Ann. Southern Nurs. Assoc. Res. Conf. 11-12 Aug. 2004. Atlanta, GA. (Poster Presentation and [Proceeding](#)).

Dobbs, J.H. 2004. Imidacloprid, cyfluthrin; nursery insecticide (Discus), pp. 207-211. In J.B. Oliver [ed.], Proc 49th Ann. Southern Nursery Assoc. Res. Conf. 11-12 Aug. 2004. Atlanta, GA. **Oliver, J.B.** and M. Klein cited as source of Japanese beetle data in Proceeding. (Oral Presentation and [Proceeding](#))

Oliver, J.B., D. Fare, N. Youssef, and W. Klingeman. 2004. A survey trap to monitor adult flatheaded borer activity in nurseries, pp. H-1. In M.E. Lewis [ed.], Proc. 26th Ann. University-Wide Res. Sympos. Tennessee State University, 6-8 April, 2004. Nashville, TN. (Oral Presentation and Abstract)

Oliver, J.B., S.S. James, A.-M. Callcott, N.N. Youssef, and K.M. Vail. 2004. Pesticides applied to individual fire ant mounds during winter months as potential treatments for certifying nursery stock – 2003 Tennessee trial, pp. 36-38. Proc. Red Imported Fire Ant Conf. 21-23 Mar. 2004. Baton Rouge, LA. (Oral Presentation and [Proceeding](#))

James, S.S., A.-M. Callcott, **J.B. Oliver**, N.N. Youssef, and K.M. Vail. 2004. Contact insecticide treatments applied to fire ant mounds during winter months as potential nursery quarantine treatments – 2003 Mississippi, pp. 28-35. Proc. Red Imported Fire Ant Conf. 21-23 Mar. 2004. Baton Rouge, LA. (Oral Presentation and [Proceeding](#))

Ward, K.E., L.C. Graham, L.G. Thead, **J.B. Oliver**, R.N. Ward, and J.T. Vogt. 2004. Release of *Pseudacteon curvatus* into black and hybrid imported fire ant populations in northern Alabama, southern Tennessee, and eastern Mississippi, pp. 158-160. Proc. Red Imported Fire Ant Conf. 21-23 Mar. 2004. Baton Rouge, LA. (Poster Presentation and [Proceeding](#))

Vail, K., **J. Oliver**, C. Kimbro, D. Bailey, J. Morton, N. Youssef, P. Parkman, S. James, and A.-M. Callcott. 2004. Pesticide surface treatments applied to fire ant mounds during April as potential nursery quarantine treatments – 2003 Tennessee trials, pp. 137-138. Proc. Red Imported Fire Ant Conf. 21-23 Mar. 2004. Baton Rouge, LA. (Poster Presentation and [Proceeding](#))

Invited **Oliver, J.B.** 2004. **Two presentations:** 1) Emerald ash borer research and 2) Imported fire ant information and research. Tenn. Dept. Agric. Plant Certification Inspector's Meeting. 3-5 Feb. 2004. Nashville, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2004. Fire ant update for Tennessee. 2004 Educational Seminar. Tennessee Nursery & Landscape Association. 15-16 Jan. 2004. Chattanooga, TN. (Oral Presentation)

Francese, J.A., V.C. Mastro, D.R. Lance, S.G. Lavalley, **J.B. Oliver**, and N. Youssef. 2004. Development of survey tools for the emerald ash borer. In K.W. Gottschalk [ed.], Proc. XV USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species 2004. 13-16 January 2004. Annapolis, MD. (Poster Presentation and Abstract)

Oliver, J.B. 2003. Update on phorid research at Tennessee. USDA-ARS Regional Management Program. 3 Nov. 2003. Starkville, MS. (Oral Presentation)

Oliver, J.B., D.C. Fare, N.N. Youssef, S.S. Scholl, and W.E. Klingeman. 2003. Color influences collection of buprestid borers with tree silhouette traps. 51st National Entomol. Soc. Am. Ann. Meeting, Turf and Ornamentals Symposium. 26-29 Oct. 2003. Cincinnati, OH. (Poster Presentation).

Youssef, N.N., **J.B. Oliver**, M. Klein, and J. Moyseenko. 2003. Botanical extracts and other organic compounds as potential Japanese beetle repellents. 51st National Entomol. Soc. Am. Ann. Meeting, Turf and Ornamentals Symposium. 26-29 Oct. 2003. Cincinnati, OH. (Oral Presentation)

Oliver, J.B., V. Mastro, D. Lance, J. Francese, N. Youssef, S. Lavalley, and D. Fare. 2003. Development of traps to survey emerald ash borer, pp.17-18. *In* V. Mastro and R. Reardon [eds.], Proc. Emerald Ash Borer Research and Technology Development Meeting, 30 Sep.- 1 Oct. 2003. Port Huron, MI. (Oral Presentation and [Proceeding Abstract](#))

Francese, J.A., V.C. Mastro, D.R. Lance, S.G. Lavalley, **J.B. Oliver**, and N. Youssef. 2003. Development of survey tools for emerald ash borer, pp. 22. *In* V. Mastro and R. Reardon [eds.], Proc. Emerald Ash Borer Research and Technology Development Meeting, 30 Sep.- 1 Oct. 2003. Port Huron, MI. (Oral Presentation and [Proceeding Abstract](#))

Oliver, J.B. 2003. Fire ant management for nursery production. Tennessee Green Industry Field Day, Otis L. Floyd Nursery Res. Center. 12 Aug. 2003. McMinnville, TN. (Oral Presentation)

Oliver, J.B., D.C. Fare, N. Youssef, S. Scholl, and W. Klingeman. 2003. Collection of adult flatheaded borers using multicolored traps, pp. 193-198. In J.B. Oliver [ed.], Proc. 48th Ann. Southern Nursery Assoc. Res. Conf., 30-31 Jul. 2003. Atlanta, GA. (Poster Presentation and [Proceeding](#)).

Oliver, J.B. 2003. Tour Otis L. Floyd Nursery Research Center to Leadership McMinnville for Infrastructure/Agriculture Day. 9 July 2003. McMinnville, TN. (Oral Presentation)

Oliver, J.B., N.N. Youssef, P. Landolt, and M.A. Halcomb. 2003. Trapping European hornet queens to prevent bark-feeding damage to nursery stock, pp. 170. *In* Proc. 13th Biennial Res. Sympos. Assoc. Res. Directors, Inc., 29 Mar. – 2 Apr. 2003, Atlanta, GA. (Poster Presentation and Proceeding Abstract).

Invited **Oliver, J.B.** 2003. Fire ants: their biology and management. Co-Presentation with John Ferrell to Franklin County Community, Franklin County Extension Office, 13 March 2003. Winchester, TN. (Oral Presentation)

Oliver, J.B., D.C. Fare, N. Youssef, S. Scholl, M.A. Halcomb, W. Klingeman, and P. Flanagan. 2003. A method to monitor buprestid borers in nurseries and preliminary results of a regional damage survey. 77th Ann. Meeting Southeastern Branch Entomol. Soc. Am., 9-12 Mar. 2003, Baton Rouge, LA. (Oral Presentation)

Invited **Oliver, J.B.** 2003. Managing Asian ambrosia beetle. Grower talk at monthly Middle Tennessee Nursery Association Meeting, Ryan's Restaurant at request of Mark Halcomb (UT Extension). 20 February 2003. McMinnville, TN. (Oral Presentation)

Oliver, J.B., N. Youssef, and M. Halcomb. 2003. How to manage ambrosia beetles in your nursery. Tenn. Flower Growers Assoc. and Tenn. Nursery and Landscape Assoc. 18-20 Jan. 2003. Chattanooga, TN. (Poster Presentation)

Invited **Oliver, J.B.** 2003. General entomology and fire ant update. Tennessee Nursery & Landscape Assoc./Tennessee Flower Growers Assoc. 18-20 Jan. 2003. Chattanooga, TN. (Oral Presentation)

Invited **Oliver, J.B.**, P.J. Landolt, M. Halcomb, K.M. Vail, and N. Youssef. 2002. Trapping European hornet queens in spring to protect Tennessee nursery stock. Symposium: Behavioral Modification: A Critical Component of Social Insect IPM. 51st Ann. Meeting National Entomol. Soc. Am., 17-20 Nov. 2002. Ft. Lauderdale, FL. (Oral Presentation)

Oliver, J.B., N. Youssef, D.C. Fare, M.A. Halcomb, S. Scholl, W. Klingeman, and P. Flanagan. 2002. Monitoring buprestid borers in production nursery areas, pp. 12-13. *In* G. Haun [ed.], Proc. 29th Ann. Meeting Tenn. Entomol. Soc., 10-11 Oct. 2002, Nashville, TN. (Oral Presentation and Abstract)

Oliver, J.B. 2002. Fire ants in Tennessee. Tennessee Green Industry Field Day, Otis L. Floyd Nursery Res. Center, 12 Aug. 2002. McMinnville, TN. (Oral Presentation)

Klein, M.J., **J.B. Oliver**, J. Moyseenko, and M. Reding. 2002. Insecticide dips and other strategies for elimination of Japanese beetle from balled and burlapped nursery stock, pp. 176-182. In J.B. Oliver [ed.], Proc. 47th Ann. Southern Nursery Assoc. Res. Conf. 1-2 Aug. 2002. Atlanta, GA. (Oral Presentation and [Proceeding](#)).

Invited **Oliver, J.B.** 2002. Quarantine pests: Fire ants, Japanese beetle, and the nursery industry. Presentation: Bayer Professional Care, Centers of Influence Meeting for Turf and Ornamental Entomologists, 4-7 Jun. 2002. Atlanta, GA. (Oral Presentation)

Oliver, J.B., D. Bailey, K. Vail, and A.M. Callcott. 2002. Summary of insecticide tests directed at managing imported fire ants in field nurseries, pp. 152-158. In D. Suiter and S. Diffie [eds.], Proc. 2002 Red Imported Fire Ant Conf. Georgia Center for Continuing Education, 24-26 March 2002. Athens, GA. (Poster Presentation and [Abstract](#))

Oliver, J. and D. Fare. 2002. Monitoring of flatheaded appletree borer populations to predict timing of pesticide treatments. In M.E. Lewis [ed.], Proc. 24th Ann. University-Wide Res. Sympos. Tennessee State University, Nashville, TN. 6-8 Apr. 2002. (Oral Presentation and Abstract)

Oliver, J.B., P. Landolt, M. Halcomb, and K. Vail. 2002. Trapping as a potential tool for the management of European hornet damage to susceptible nursery stock. 76th Ann. Meeting Southeastern Branch Entomol. Soc. Am., 3-6 Mar. 2002. Little Rock, AR. (Oral Presentation)

Invited **Oliver, J.B.** 2002. Fire ant management in nurseries. Presentation: Tennessee Nursery and Landscape Assoc., 20th Ann. Convention and Trade Show, 19 Jan. 2002. Chattanooga, TN. (Oral Presentation)

Invited **Oliver, J.B.** 2002. General entomology. Presentation: Tennessee Nursery and Landscape Assoc., 20th Ann. Convention and Trade Show, 20 Jan. 2002. Chattanooga, TN. (Oral Presentation)

Oliver, J.B. 2001. Overview of Entomology Research Program at Otis L. Floyd Nursery Res. Center. Presented to Southern Nursery Assoc. Board of Directors, Univ. Tenn. Representatives, USDA-ARS, and other green industry representatives. 4 April 2001. McMinnville, TN. (Oral Presentation)

Oliver, J.B. 2001. Update on fire ants – new movement and latest pesticide products and applications. Tenn. Green Industry Field Day, TSU Otis L. Floyd Nursery Res. Center, 14 Aug. 2001. McMinnville, TN. (Oral Presentation)

Oliver, J.B. and C.M. Mannion. 2001. Ambrosia beetles collected from ethanol-baited traps and Chinese chestnut in middle Tennessee, pp. 213-218. In C.P. Hesselein [ed.], Proc. 46th Ann. Southern Nursery Assoc. Res. Conf., 2-3 Aug. 2001. Atlanta, GA. (Poster Presentation and [Proceeding](#)).

Invited

Oliver, J.B. 2001. **Two presentations:** 1) Overview of flatheaded appletree borer and European hornet research and 2) Overview of Japanese beetle and fire ant research. Tennessee Department of Agriculture Plant Inspectors' Meeting, TSU Nursery Res. Center, 21 May 2001. McMinnville, TN. (Oral Presentations)

Oliver, J.B., M. Klein, J. Moyseenko, W. McLane, D. Cowan, and C.M. Mannion. 2001. Management of Japanese beetle in commercial nurseries. Scarab Workshop, University of Arizona Maricopa Agriculture Center, 29-30 Mar. 2001. Phoenix, AZ. (Oral Presentation)

Oliver, J. B. 2001. Summary of imported fire ant impact on Tennessee nurseries, p. 38. *In* E.L. Myles [ed.], Proc. 23rd Ann. University-Wide Research Symp., Tennessee State University, 20-21 Mar. 2001. Nashville, TN. (Poster Presentation and Abstract)

Oliver, J.B., and C.M. Mannion. 2000. Ambrosia beetle species attacking chestnut and captured in ethanol-baited traps in Middle Tennessee. 48th Ann. Meeting Nat. Entomol. Soc. Amer. 4 Dec. 2000. Montreal, Canada. (Poster Presentation)

Oliver, J.B. 2000. Update on scarab biological control in Tennessee. Scarab Parasitoid Workshop, Tennessee State University Otis L. Floyd Nursery Res. Center. 6-7 Sep. 2000. McMinnville, TN. (Oral Presentation)

Oliver, J.B. 2000. **Four separate poster presentations** on: 1) Biological control of fire ants, 2) Biology and management of wood-boring beetles, 3) Japanese beetle research, and 4) Update on fire ants - new movement and latest pesticide products and applications. Tennessee Green Industry Field Day, Tennessee State University Nursery Res. Center. 15 Aug. 2000. McMinnville, TN. (Poster Presentations)

Oliver, J.B. 2000. Fire ant research. Tennessee Green Industry Field Day Walking Tour, Tennessee State University Nursery Res. Center. 15 Aug. 2000. McMinnville, TN. (Oral Presentation)

Fare, D.C., C. Mannion, **J. Oliver**, and S. Mullican. 2000. Flatheaded appletree borer infestations on newly planted maple liners, pp. 153-157. *In* C.P. Hesselein [ed.], Proc. 45th Ann. Southern Nursery Assoc. Res. Conf., 3-4 Aug. 2000. Atlanta, GA. (Poster Presentation and [Proceeding](#)).

Oliver, J.B., and C.M. Mannion. 2000. Species composition and seasonal incidence of ambrosia beetles attacking chestnut in middle Tennessee and comparison with trapping studies. 75th Ann. Meeting Southeastern Branch Entomol. Soc. Am. 27 Feb. – 1 Mar. 2000. Mobile, AL. (Served as moderator for same session). (Oral Presentation)

Hale, F.A., **J. Oliver**, and C. Mannion. 1999. Insecticide evaluation for control of the Asian ambrosia beetle, *Xylosandrus crassiusculus*, in vitro, pp. 160-162. *In* C.P. Hesselein [ed.], Proc. 44th Ann. Southern Nursery Assoc. Res. Conf., 29-30 July 1999. Atlanta, GA. (Oral Presentation and [Proceeding](#)).

- Mannion, C. and **J. Oliver**. 1999. Rearing *Tiphia vernalis*, a parasitoid of Japanese beetle, p. 35. In N.C. Martin and L. Wiggins-Azimi [eds.], Proc. 21st Ann. University-Wide Res. Sympos. Tennessee State University, 22-23 Mar. 1999. Nashville, TN. (Oral Presentation and Abstract)
- Mannion, C.M. and **J.B. Oliver**. 1998. Management of Japanese beetle in nursery crops, p. 47. In N.C. Martin and L. Wiggins-Azimi [eds.], Proc. 20th Ann. University-Wide Res. Sympos. Tennessee State University, 23-24 Mar. 1998. Nashville, TN. (Oral Presentation and Abstract)
- Oliver, J.B.** and M.J. Gaylor. 1996. Seasonal incidence of banded-winged whitefly on weed hosts near cotton and whitefly movement from cocklebur into cotton. Southeastern Branch of the Entomological Society of America, Biloxi, MS. (Ph.D. Student Paper Contest). (Oral Presentation)
- Oliver, J.B.** and M.J. Gaylor. 1995. Movement of adult banded-winged whitefly into cotton, nymphal (4th instar) population size, and parasitism. Southeastern Branch of the Entomological Society of America. Charleston, SC. (Oral Presentation)
- Oliver, J.B.**, C.D. Pless, and K.D. Gwinn. 1990. Effect of endophyte, *Acremonium coenophialum* in 'Kentucky 31' tall fescue, *Festuca arundinaceae*, on survival of *Popillia japonica*, pp. 173-175. In S.S. Quisenberry and R.E. Joost [eds.], Proc. Internat. Sympos. *Acremonium*/Grass Interactions. 5-7 Nov. 1990. New Orleans, LA. (Poster Presentation and Abstract)
- Bernard, E.C., A.M. Cole, **J.B. Oliver**, and K.D. Gwinn. 1990. Survival and fecundity of *Folsomia candida* (Collembola) fed tall fescue tissues and ergot peptide-amended yeast, pp. 125-127. In S.S. Quisenberry and R.E. Joost [Eds.], Proc. Internat. Sympos. *Acremonium*/Grass Interactions. 5-7 November 1990. New Orleans, LA. (Poster Presentation and Abstract)
- Oliver, J.B.**, C.D. Pless, and K.D. Gwinn. 1990. Effect of *Acremonium coenophialum* in Ky-31 tall fescue on immature stages of selected soil insects. Proc. 17th Ann. Meeting Tennessee Entomol. Soc. Nashville, TN. (Oral Presentation and Abstract)
- Oliver, J.B.** and C.D. Pless. 1990. Effect of endophyte, *Acremonium coenophialum* Morgan-Jones and Gams, in Kentucky-31 tall fescue, *Festuca arundinacea* Schreb., on immature stages of *Popillia japonica* Newman. Southeastern Branch of the Entomological Society of America, Orlando, FL. (Oral Presentation)
- Oliver, J.B.** and C.D. Pless. 1989. Endophyte presence in tall fescue and its effects on Japanese beetle soil life stages and other grub and wireworm species. Proc. Tennessee Entomol. Soc. Nashville, TN. (Oral Presentation and Abstract)

Oliver, J.B. and C.D. Pless. 1988. Endophyte presence in tall fescue and its effects on Japanese beetle and other grub and wireworm species. 16th Annual Meeting Tennessee Entomol. Soc., Nashville, TN. (Awarded Best Student Oral Presentation).

Fribourg, H.A., A.B. Chestnut, J.B. McLaren, **J.B. Oliver**, and K.D. Gwinn. 1988. State reports of recent progress, pp. 59-63. *In Proc.*, Tall Fescue Toxicosis Workshop, SRIEG-37, Atlanta, GA. (Oral Presentation and Proceeding)

Seminars and Webinars

Oliver, J.B. 2013. Imported fire ants - general information and management for residential areas. Tennessee State University College of Agriculture, Human & Natural Sciences Virtual Coffee Shop Webinar. 10 July 2013. McMinnville, TN (via Wimba Virtual Classroom).

Invited Bray, A., **J. Oliver**, and W. Klingeman. 2013. Black walnut under attack: walnut twig beetle and thousand cankers disease in the eastern United States. 1 Mar. 2013. Lexington, KY. (Invited Departmental Seminar)

Oliver, J.B., K. Adesso, N. Youssef, A. Bray, and J. Basham. 2013. Research to manage imported fire ants in nurseries. Seminar given to Dr. John Ricketts' TSU AGSC 5620 Graduate Seminar Class using the TSU Wimba system. 1 March 2013. Given in McMinnville to Nashville, TN.

Invited **Oliver, J.B.** 2012. Fire ant control made easy. Webinar presented on National eXtension site for the Imported Fire Ant Community of Practice. 10 May 2012. Other national speakers on the webinar were Dr. Vicky Bertagnolli (Clemson Univ.), Dr. Bart Drees (Texas A&M Univ), and Lawrence Graham (Auburn Univ.) - 126 people participated directly, but there were also schools with groups of kids watching. (Oral Presentation). ([Archived presentation](#))

Oliver, J.B., J. Basham, and N. Youssef. 2011. Invasive insects with potential to impact agriculture, the environment, and human health in Tennessee. Tennessee State University, School of Agric. & Consumer Sciences. Cooperative Extension Virtual Coffee Shop Webinar. 9 Nov. 2011. AITC Building, Nashville, TN.

Oliver, J.B., A. Bray, S. Ochieng, N. Youssef, C. Ranger, M. Reding, P. Schultz, B. Klingeman, J. Moysenko, and J. Basham. 2011. New wood boring insect threats to Tennessee and techniques under evaluation to enhance their detection with traps. Tennessee State University, School of Agric. & Consumer Sciences. 17 Feb. 2011. AITC Building, Nashville, TN.

Oliver, J.B. 2011. How can you tell if you have fire ants? 21 Apr. 2011. eXtension Imported Fire Ant Community of Practice Webinar. (78 attendees).

Oliver, J.B., N. Youssef, C. Ranger, M. Reding, J. Moyseenko, P. Schultz, S. Ochieng, L. Castrillo, and J. Vandenberg. 2010. Granulate and other ambrosia beetles - research to improve management in Tennessee nurseries. Tennessee State University, School of Agric. & Consumer Sciences. 16 June 2010. TSU Otis L. Floyd Nursery Research Center, McMinnville, TN.

Oliver, J.B., S. Ochieng, M. Halcomb, K. Vail, N. Youssef, F. Mrema, J. Chandler, A. Callcott, X. Wei, and W. Haun. 2009. Status of efforts to develop a new cost effective pre-harvest imported fire ant treatment for field-grown nurseries. Tennessee State University, School of Agric. and Consumer Science. 1 May 2009. TSU Otis L. Floyd Nursery Research Center, McMinnville, TN.

Oliver, J.B., D.C. Fare, M.E. Reding, C.M. Ranger, N.N. Youssef, S.S. Scholl, J.J. Moyseenko, and M.A. Halcomb. 2008. Insecticide management of flatheaded borers in field-grown nurseries. Tennessee State University, Institute of Agric. and Environmental Res. 5 Mar. 2008. TSU Otis L. Floyd Nursery Research Center, McMinnville, TN.

Invited

Oliver, J.B., D. Fare, M. Reding, B. Klingeman, N. Youssef, S. Scholl, J. Moyseenko, and M. Halcomb. 2007. Field studies on the biology and management of flatheaded borers in commercial nurseries of middle Tennessee. University of Tennessee, 30 November 2007. Knoxville, TN. (Seminar for consideration as Adjunct Faculty. Subsequently approved March 2008).

Oliver, J.B., M. Reding, S. Ochieng, S. James, A. Callcott, M. Halcomb, N. Youssef, C. Ranger, J. Moyseenko, and K. Vail. 2007. Insecticide band treatments for imported fire ants and Japanese beetle. Tennessee State University, Institute of Agric. and Environmental Res. 27 Feb. 2007. TSU Otis L. Floyd Nursery Research Center, McMinnville, TN. (Abstract)

Oliver, J.B., D.C. Fare, N.N. Youssef, S. Scholl, M.A. Halcomb, M.E. Reding, and J.J. Moyseenko. 2006. Ecology of flatheaded borers: implications for successful management in the nursery and landscape. Tennessee State University, Institute of Agric. and Environmental Res. 22 Feb. 2006. Nashville, TN. (Abstract)

Invited

Oliver, J.B., S. Ochieng, and M.T. Mmbaga. 2005. Entomology research related to agromedicine at the Tennessee State University Otis L. Floyd Nursery Research Center. North Carolina A&T and 1890 Agromedicine Alliance. 26 Oct. 2005. Greensboro, NC.

Oliver, J.B. and Nadeer N. Youssef. 2005. Evaluation of multiple traps and ethanol lures for effectiveness at monitoring Asian and other species of ambrosia beetle near commercial nurseries. Spring 2005 Seminar Series. Tennessee State University, Institute of Agric. and Environmental Res. 9 Mar. 2005. McMinnville, TN. (Abstract)

Mmbaga, M.T. and **J. Oliver**. 2004. Evaluation of biorational products for foliage diseases and insect pest management in roses and photinia. Fall 2004 Seminar Series. Tennessee State University, Institute of Agric. and Environmental Res. 4 Nov. 2004. Nashville, TN.

(Abstract)

Oliver, J.B. 2004. Update on entomology research at the TSU Nursery Research Center. Spring Semester 2004 Seminar Series. Tennessee State University, Institute of Agric. and Environmental Res. 17 Mar. 2004. McMinnville, TN.

Oliver, J.B. 2001. Management of Japanese beetle and fire ants in commercial nurseries. Presentation: CARP Seminar Series, Tennessee State University Nursery Res. Center. 4 Apr. 2001. McMinnville, TN.

Oliver, J.B. 2001. Entomology component of Environmental Protection and Enhancement Team. CARP Seminar Series. Tennessee State University, 5 Dec. 2001. Nashville, TN.

Oliver, J.B., and C. M. Mannion. 2000. Management of Japanese beetle in nursery crops. Presentation: CARP Seminar Series, Tennessee State University Nursery Res. Center. 15 Mar. 2000. McMinnville, TN.

Oliver, J.B., and C. M. Mannion. 2000. Species composition and seasonal abundance of ambrosia beetles attacking chestnut in middle Tennessee and comparison with trapping studies. CARP Seminar Showcase, 13-14 Dec. 2000. Nashville, TN.

Oliver, J.B. 2000. Weed species utilization, parasitism, and management of banded-winged whitefly. CARP Seminar Series, Tennessee State University Nursery Res. Center. 15 Mar. 2000. McMinnville, TN.

Mannion, C. and **J. Oliver.** 1999. Entomology program and Japanese beetle research. CARP Seminar Series, Tennessee State University Nursery Res. Center, 10 Mar. 1999. McMinnville, TN. (Abstract)

Oliver, J.B. and M.J. Gaylor 1999. Weed host and parasitoid interactions of *Trialeurodes abutilonea* (Haldeman) in the cotton agroecosystem. Department of Entomology, Auburn University, Auburn, AL. (Doctoral Defense Seminar)

Oliver, J.B. and C.M. Mannion. 1999. Management of Japanese beetle in nursery crops. Tennessee State University, Cooperative Agricultural Research Program, Nashville, TN.

Oliver, J.B. 1997. Research with the bandedwinged whitefly and Japanese beetle. TSU Nursery Research Center, McMinnville, TN. (Interview Seminar for Research Associate Position at TSU)

Oliver, J.B. and M.J. Gaylor. 1995. Weed hosts and parasitoids of the bandedwinged whitefly (*Trialeurodes abutilonea* [Haldeman]) and their effects on whitefly populations in and around cotton. Department of Entomology, Auburn University, Auburn, AL.

Oliver, J.B. and C.D. Pless. 1993. Effect of endophyte-infected tall fescue on the Japanese beetle and other selected soil insects. Department of Entomology, Auburn University, Auburn, AL.

Oliver, J.B. and C.D. Pless. 1990. Effect of endophyte-infected tall fescue on the Japanese beetle and other selected soil insects. Department of Entomology and Plant Pathology, The University of Tennessee, Knoxville, TN. (Master's Defense Seminar)

Oliver, J.B. 1989. Influence of selected allelochemicals on the pathogenicity of *Bacillus thuringiensis* Berliner against *Manduca sexta* (L). Department of Entomology and Plant Pathology, The University of Tennessee, Knoxville, TN.

Oliver, J.B. 1988. Resistance of soil insects to insecticides: western corn rootworm, *Diabrotica virgifera*, as a model. Department of Entomology and Plant Pathology, The University of Tennessee, Knoxville, TN.

Youth and Other Presentations / Demonstrations

Entomology Program hosted a Warren County Centertown Middle School job shadow student interested in agriculture. 20 Feb. 2014.

Entomology Program set up insect displays for the Warren County Chamber of Commerce Youth Leadership class touring the Nursery Research Center. 16 Jan. 2014.

Entomology Program set up insect displays for the ~200 FFA and 4-H high school students visiting the Nursery Research Center for a soil judging competition. Displays were set up in the Conference Room to provide educational opportunity and entertainment for students between soil judging events. 24 Sept. 2013.

Entomology Program set up insect displays for Lanco Nursery Group and LanTenn Nursery touring the Nursery Research Center. 7 Aug. 2012. (Oral Demonstration - about 10 growers).

Entomology Program set up insect displays for two tour groups visiting the Nursery Research Center, including a Plant Inspector group (25-27 June 2012) and a middle school group (27 June 2012).

Entomology insect displays and demonstration for high school student recruitment - Tennessee State University School of Agric. & Consumer Sci. Food, Agric. & Consumer Sci. Week. 5 Apr. 2010. Nashville, TN.

Nursery Research Center Tour given to an international horticulture group, John Pelham (Warren County Executive), and several middle Tennessee nursery growers. The international group was considering locating part of their business enterprise in middle Tennessee and wanted to see the research / educational capability of our grower support facility. Tour was given by me on Saturday 22 Jan. 2010 on behalf of Dr. Nick Gawel who

Oliver, J.B. and N.N. Youssef. 2009. How to pin insects, develop a personal insect collection, and prepare a butterfly garden. Junior Master Gardner's Day Camp. 3 June 2009. Warren County Fair Grounds. McMinnville, TN. (Oral Presentations to about 40 children ages 9-14)

Invited

Oliver, J.B. 1999, 2000, 2003, 2004, 2005. Entomology and agriculture. Warren County Farm Day, Warren County Farm Bureau. Presentations to all Warren County 3rd grade students.

Oliver, J.B. 2001, 2002, 2003, 2006. Ask the experts exhibit area. Tennessee Green Industry Field Day. Otis L. Floyd Nursery Res. Center, McMinnville, TN.

Oliver, J.B. 2004 (1 Dec.), 2005 (1 Dec.), 2006 (5 Dec.), and 2008 (Oct. 20). Report for Entomology Program research at the Otis L. Floyd Nursery Research Center. Tennessee Nursery Advisory Group. McMinnville, TN. (Oral Presentation and Research Summary Report)

9. TEACHING EXPERIENCE

Master Thesis Committee Member, Aminul Chowdhury. Student graduated Dec. 2013.

Statistical support to Master's graduate students: Aminul Chowdhury (Apr. 17, 2013 - 3 hours; Apr. 19, 2013 - 3 hours; May 3, 2013 - 2.5 hours) and Jacque Joshua (Apr. 27, 2012 - 5 hours; May 7, 2012 - 7 hours).

Oliver, J.B. and K. Adesso. 2012. Data manipulation using SAS for Windows. Workshop for TSU graduate students and faculty. June 28-29, 2012. Nashville, TN.

Adesso, K. and **J. Oliver**. 2012. Data analysis using SAS for Windows. Workshop for TSU graduate students and faculty. June 28-29, 2012. Nashville, TN.

Master Thesis Committee Member, Richard Link. 2011-2012. Served as Chair of the Committee starting July 2012. Student graduated December 2012.

Curriculum Development: Course outline for entomology portion of AGSC 3330 Integrated Pest Management provided to Dr. Margaret Mmbaga to allow completion of Course Action Request Form (CARF) for new Plant Science Concentration. 12 Feb. 2012.

Guest lecture on Forest Insect Pests. Dr. Solomon Haile's Introduction to Forestry class. Nov. 21, 2011.

Ph.D. Thesis Committee Member, Jason Hansen, University of Tennessee. 2006-2010.

Master Thesis Committee Member, Peter Nveawiah-Yoho, Tennessee State University. 2005 – 2006.

High School Teacher Host: The TSU Entomology Program hosted a White County High School Horticulture Teacher - Charles Cooper) for several weeks during the summer of 2010, which allowed Mr. Cooper to meet his Career & Technical Education (CTE) professional development requirements.

Student Poster Judge. 2009 Meeting of the Association of Research Directors, Inc. - Biennial Research Symposium, Atlanta, GA.

Student Poster Judge. 2009 National Entomological Society of America Annual Meeting, Indianapolis, IN.

Mentoring of Warren County High School Summer Interns. Maya Denning and Alex DeLane (2013), Elizabeth Oxley, Lauren Wilson, and Austin Shay (2012), Ben Wilson and Robert Eschenbacher (2011), Victoria Eschenbacher (2010), and Jacob Weddington (2009).

Teaching Assistant, 1996, ENT 502 (Economic Entomology), Auburn University, Responsibilities included laboratory instruction; test and project grading.

Teaching Assistant, 1994, 1995, ENT 204 (Insects), Auburn University; Responsibilities included test and project grading. Guest lecture on integrated pest management.

Teaching Assistant, 1993, ENT 304 (General Entomology), Auburn University; Responsibilities included laboratory assistance.

Teaching Intern, 1989, ENT 512 (Field Crops & Vegetable Insects), The University of Tennessee, Knoxville; Responsibilities included laboratory assistance.

10. POSTDOCTORAL SCIENTISTS MENTORED

Dr. Alicia Bray. Nov. 2010 to Aug. 2013. Project development of trapping techniques for wood-boring insects.

Dr. Minsheng Wang. 2005 to 30 June 2007. Project: Development of treatments to manage imported fire ants in field-grown nursery stock. Project was supported by Tenn. Dept. of Agriculture.

Dr. Tahir Rashid. University of Tennessee postdoctoral scientist based at the Nursery Research Center. I provided mentoring guidance during his tenure at the Center. (2003 to 2005).

11. PROFESSIONAL TRAINING AND WORKSHOPS

Ethics Related to Grant Funding by Tennessee State University Office of Internal Audit. Mike Batson. One hour presentation at the end of the Monthly Extension and Research Faculty Meeting. 5 Feb. 2014. Nashville, TN (attended by phone conference link to McMinnville, TN).

Systems-Based Pest Management Training for Tennessee Nursery Owners, Employees, and Hispanic Work Force. Hosted by University of Tennessee, USDA-ARS, and Southern Risk Management Education Center. 25 Sept. 2013. McMinnville, TN.

Faculty Workshop on Student Advisement. Tennessee State University, College of Agriculture, Human, and Natural Sciences. 30 July 2013. Nashville, TN.

Equal Opportunity & Affirmative Action Preventing Harassment and Discrimination Training. Tiffany Cox and Bobbie Porter. 17 July 2013. McMinnville, TN (via AITC Conference Link).

Extension reporting system - SUPER hands-on training and writing effective impact statements. Joseph Donaldson (Univ. Tenn.). 9 Jan. 2013. Nashville, TN.

Training session on safe operation of a John Deere skid steer loader. Training and video provided by John Deere representative. 7 Dec. 2012. McMinnville, TN.

eXtension Web Conference on Ask an Expert 2.0 and Content Appraisal. Attended via webinar on 30 April 2012.

Tennessee State University Diversity Training Workshops. a) Search Committee Guidelines for Recruiting an Inclusive Workforce, b) Care and Candor – Making Performance Appraisals Work, c) Everyday Ethics – Good People, Bad Choices, and d) Harassment Hurts: It's Personal. 14-15 Aug. 2012. McMinnville, TN (via AITC Conference Link).

Tennessee State University Office of Judicial Affairs faculty training presentation. 16 Mar. 2012.

USDA-NIFA Presentation on Improving Grant Funding Success and Other Opportunities. Mark Mirando and Adele Turzillo. Tennessee State University. 2 Feb. 2012. Nashville, TN (attended by video conference link to McMinnville, TN).

Tennessee State University Laboratory Safety Training. Tommi Smith. 18 Jan. 2012. Nashville, TN (attended by video conference link to McMinnville, TN).

Ethics Presentation by Tennessee State University Office of Internal Audit. Paul Coleman and Mike Batson. 27 Oct. 2011. Nashville, TN (attended by video conference link to McMinnville, TN)

eXtension National Community of Practice Workshop. 28-30 June 2011. Louisville, KY.

Air blast sprayer workshop. Hosted by Amy Fulcher and Mark Halcomb (Univ. Tenn.), Randy Zondag (Ohio State Univ.), and Heping Zhu (USDA-ARS). 4 May 2011. Pro-Gro Nursery, McMinnville, TN.

Dealing with the hard to control insects: white peach tree scale, Japanese maple scale, flatheaded apple tree borers and the Asian ambrosia beetle (and the camphor shot borer). Dr. Frank Hale. Univ. of Tenn. Warren County Extension Office, McMinnville, TN. Mar. 1, 2011.

Utilizing video in extension programming. Michael Shirley and Jonell Hinsey. Univ. of Tenn. and Tenn. State Univ. Rutherford County Extension Office, Murfreesboro, TN. Dec. 10, 2010.

The art of growing dogwoods in containers. Sponsored by Univ. Tennessee and USDA-ARS National Arboretum. Otis L. Floyd Nursery Research Center, McMinnville, TN. Nov. 18, 2010.

Graduate Student Handbook, Student Responsibilities and Accountability, and Welcoming Session for Returning Graduate Students. Tennessee State Univ. School of Agric. & Consumer Sciences. Nashville, TN. Sept. 2, 2010.

Incident Command System for Single Resource and Initial Action Incidents. Emergency Management Institute. FEMA. U.S. Dept. of Homeland Security. Independent Study Online Course ICS-200. June 18, 2010.

Introduction to the Incident Command System. Emergency Management Institute. FEMA. U.S. Dept. of Homeland Security. Independent Study Online Course ICS-100 for Higher Education. June 14, 2010.

Planning and Managing Systems Based Trans-Disciplinary Projects for USDA/NIFA Programs. 10 Dec. 2009. Ithaca, NY (Attended by webcast).

Tennessee State University Preventing Sexual Harassment. Office of Equity, Diversity, and Compliance. Online Training Module. Sept. 1, 2009.

Responsible Conduct of Research / RSP Policies and Procedures. Tennessee State University Division of Research and Sponsored Programs Workshop. Faculty / Staff Institute Fall 2009. Aug. 24, 2009. Nashville, TN.

Legal Aspects of Classroom Management. Lisa Atkins. Tennessee State University Faculty / Staff Institute Fall 2009. Aug. 24, 2009.

Tennessee State University, School of Agriculture and Consumer Sciences, Small Farm Expo / Small Farmer Recognition Program. July 31, 2009. Ashland City, TN. Attendee.

Grant Proposal Submission Workshop. Tennessee State University Division of Research and Sponsored Programs. April 17, 2009. McMinnville, TN (via conference link).

Exceptional Customer Service with a Smile Training - "I am TSU". Tennessee State University, Office of Human Resources. Apr. 3, 2009. McMinnville, TN.

Effective Management of Student Conduct. Tennessee Board of Regents Online Training Module. Dec. 5, 2008. McMinnville, TN.

Strategic Planning Workshop. Tennessee State University. School of Agriculture and Consumer Sciences. Nov. 17, 2008. Nashville, TN.

Introduction to SAS 9.2 Statistical Graphics SGProcs, Part I. Biometrical Consulting Service. 30 September 2008. Beltsville, MD. Attended via video conference link at McMinnville, TN.

Tennessee State University, Cooperative Extension Program, Tennessee Small Farms Expo & Small Farmer Recognition Program. 8 Aug. 2008. Ashland City, TN.

Hazard Communication / Right-to-Know Training. Tennessee State University. 26 June 2008. Nashville, TN

Attended and participated in USDA-APHIS and Tennessee Department of Agriculture meeting with Tennessee Nursery Advisory Group (1 Aug. 2007) and all day inspector training and grower stakeholder meeting (2 Aug. 2007)

U.S. Department of Homeland Security. Workshop for Minority Serving Institutions: Awareness Access Opportunity. Tennessee State University. 6 Dec. 2007. Nashville, TN.

Tennessee State University, Research and Sponsored Programs Grants.gov Workshop. 8 June 2007. Nashville, TN.

Tennessee State University, Research and Sponsored Programs Developing Grant Proposal Budgets Workshop. 20 July 2007. Nashville, TN.

American Heart Association Heartsaver AED Training. Multi-Regional LifeGuard Medical Solutions, 19 Jan. 2007. Otis L. Floyd Nursery Research Center, McMinnville, TN.

Workshop on Spatial Statistics for Agricultural and Environmental Research Applications. USDA-ARS Beltsville, MD (participated via internet conference connection). 15-16 March 2006

Federal Framework for Balancing Agriculture and the Environment. Opportunities for Collaboration. EPA Region 4, Natural Resources Conservation Service, and USDA CSREES. 6 Dec. 2005. Atlanta, GA.

Bayer Environmental Science Lawn & Ornamental Insect Summit. 15-17 Sep. 2005. Traverse City, MI.

Hiring Manager Training. Tennessee State University Human Resources. 24 Aug. 2005. Nashville, TN.

Short Course: Getting to know ArcGIS Desktop: Basics of ArcView, ArcEditor, and ArcInfo. Tennessee State University. 6-7 Jul. 2005. Nashville, TN.

National Pink Hibiscus Mealybug Survey Distance Education Teleconference. National Plant Diagnostic Network, North Central IPM Center, and USDA-APHIS. 15 Jun. 2005. McMinnville, TN.

The Empowered User Team Effectiveness. Tennessee State University. Management Solutions Group, LLC. 9 Sep. 2004. Nashville, TN.

Supervising the Empowered User. Tennessee State University. Management Solutions Group, LLC. 10 Aug. 2004. Nashville, TN.

Introduction to Research and Sponsored Programs Policies and Procedures. Division of Research and Sponsored Programs. 23 Jun. 2004. Nashville, TN.

Introduction to ARCGIS I (for ArcView 8, ArcEditor 8, and ArcInfo 8). ESRI 10-11 Mar. 2004. Mississippi State University, Starkville, MS.

Introduction to Global Positioning Systems Training Course. LandMark Systems Inc., Warner Robbins, GA. 9 Dec. 2003.

Accessibility, Accountability, Responsibility, and Time Management, Professional Ethics, and Working Effectively as a Team Member. Tennessee State University, CARP Management Series II Workshop. 22-25 Jul. 2002. Pigeon Forge, TN.

USDA National Research Initiative Competitive Grants Program, Northeastern Regional Workshop on Competitive Grants Programs. 2001. Syracuse, NY.

Introduction to Risk Analysis: A Shortcourse. Hosted by TSU and USDA, Tennessee State University. 29 May – 1 Jun. 2001. Nashville, TN.

Creating a Fire Ant Free Zone. Symp. for Res. Specialists. GardenTech Inc., 7-8 Nov. 2001. Orlando, FL.

Field Weed Control Meeting. University of Tennessee. 20 Sep. 2001. McMinnville, TN.

Imported Fire Ant Workshop, The University of Tennessee, 2000, Tellico Plains, TN.

The Team Building Approach Managing Change in the Research Environment. Tennessee State University, CARP Employee Management Series I Workshop. 12-14 May 1999. Gatlinburg, TN.

Insects of Ornamental Plants Diagnostic Workshop; Ornamental Plant Disease Workshop; Tenn. Nursery & Landscape Assoc. Short Course, Gatlinburg, TN. 1998, 1999.

USDA National Research Initiative Competitive Grants Program, Southern Regional Grants Workshop, 1995, Atlanta, GA.

University of Florida/USDA-APHIS-PPQ. Sweetpotato Whitefly Parasitoid Workshop, 1995, Tallahassee, FL.

Commercial Pesticide Applicator Certification; Ornamental and Turf; Demonstration, Research and Regulatory; Tennessee Department of Agriculture.

Beltsville Symposium XVIII Pest Management: Biologically Based Technologies. USDA-ARS. 2-6 May 1993. Beltsville, MD.

Oak Ridge National Laboratory, OSHA Hazardous Waste Operations. 20-22 May 1991. Oak Ridge, TN.

Pest Control Technicians School, Agricultural Extension Service/Tennessee Pest Control Association. 28-30 Nov. 1989. Knoxville, TN.

Forestry Pesticide Training, U.S. Department of Agriculture Forest Service, 31 Mar. – 1 Apr. 1986. Knoxville, TN.

Fish Health Short Course, U.S. Fish & Wildlife Service. 13 Dec. 1986. Knoxville, TN.

Funded Grants Since Assuming Lead Role of Entomology Program in 2001: \$1,287,242 (Principal Investigator) / \$923,346 (Co-Investigator/Collaborator)

12. GRANTSMANSHIP

Grants, Unrestricted Research Gifts, and USDA Cooperative Agreements

Vandenberg, J.D., L.A. Castrillo, **J.B. Oliver**, and N. Youssef. 2014. Biopesticidal fungi for control of Asian ambrosia beetles and their symbiotic fungi. Horticultural Research Institute Grant Extension. (Awarded 28 Jan. 2014. Project period: July 1, 2014 to June 30, 2015). \$50,000.

Oliver, J.B. and K. Adesso. 2013. Evaluation of cost effective management of imported fire ants in nursery crops. USDA-ARS Floriculture Nursery Research Initiative. New Cooperative Agreement (Aug. 1, 2013 to July 30, 2018). \$40,896 (with possibility of yearly award renewal).

Oliver, J.B. and K. Adesso. 2013. Development of novel strategies for managing exotic ambrosia beetles in ornamental nurseries. USDA-ARS Floriculture Nursery Research Initiative. New Cooperative Agreement (Jun. 1, 2013 to July 30, 2018). \$38,948 (with possibility of yearly award renewal).

Adesso, K. and **J. Oliver**. 2013. Behavioral-based control methods for ambrosia beetle management in ornamental nurseries. USDA-ARS Capacity Building Grant. Sept. 1, 2013 to Aug. 31, 2016. \$299,751.

Oliver, J.B. and K. Adesso. 2013. Evaluation of cyantraniliprole and chlorantraniliprole for flatheaded borer management in red maple. Syngenta Crop Protection, LLC. Aug. 16, 2013. Funds split with Dr. Karla Adesso.

Oliver, J.B. and A.M. Callcott. 2013. In kind cooperative research funds provided to purchase research plants in Tennessee by USDA-APHIS PPQ Soil Inhabiting Pests Section, Gulfport, MS. Oct. 24, 2013. \$1,090.

Vandenberg, J.D., L.A. Castrillo, **J.B. Oliver**, and N. Youssef. 2012. Testing and development of fungal biocontrol agents against Asian ambrosia beetles and their symbiotic fungi. Horticultural Research Institute. (Awarded Nov. 2012. Project period July 1, 2013 to June 30, 2014). \$50,000.

Oliver, J.B. and C.M. Ranger. 2012. In kind cooperative research funds provided to purchase research plants and supplies used in Tennessee from USDA-ARS Horticultural Insects Research Laboratory, Wooster OH. October 2012. \$3,965.

Oliver, J.B., A. Bray, K. Adesso, and C. Ranger. 2012. Tree injections and other methods to improve trapping of buprestid, cerambycid, and Scolytinae borers. USDA-APHIS. Renewal of Cooperative Agreement. Sept. 24, 2012 to Sept. 23, 2013. \$50,600.

Bray, A. and **J.B. Oliver**. 2012. Walnut branch girdling to increase walnut twig beetle attraction within introduced range in Tennessee. US Forest Service. Supplement to Cooperative Agreement. Sept. 30, 2012 to Sept. 30, 2013. \$8,338.

Oliver, J.B. and A.M. Callcott. 2012. In kind cooperative research funds provided to purchase research plants in Tennessee by USDA-APHIS PPQ Soil Inhabiting Pests Section, Gulfport, MS. Oct. 19, 2012. \$780.

Oliver, J.B., C.M. Ranger, N. Youssef, A. Bray, and J. Moysenko. 2012. Evaluation of experimental product (A190036) and Flagship (thiamethoxam) against third instar Japanese beetle. Syngenta Crop Protection. (May 9, 2012). \$5,000.

Oliver, J.B., K. Adesso, A. Bray, N. Youssef, C.M. Ranger, and M. Reding. 2012. Identification of factors predisposing woody ornamentals to ambrosia beetle attack. USDA-ARS Specific Cooperative Agreement. 2012 Amendment Supplement No.# 4 for a multi-year agreement running from Sept. 30, 2008 to Sept. 29, 2013. \$38,986.

Oliver, J.B. and N. Gawel. 2012. Evaluation of production practices, disease resistance and insect control measures in nursery crops. USDA-ARS Specific Cooperative Agreement No. 1230-21000-042-04S. 2012 Amendment Supplement No.# 9 for a multi-year agreement running from Sept. 27, 2007 to Sept. 26, 2012. \$40,936.

Fulcher, A., D. Fare, M. Halcomb, F. Hale, C. Kimbro, **J. Oliver**, and A. Windham. 2012. Tennessee Master Nursery Program. Tennessee Department of Agriculture Specialty Block Grant. \$47,000.

Corporate Gifts: I arranged for \$4,500 to be donated to the 2012 Imported Fire Ant Conference to cover meeting costs from Dupont Professional Products, Central Life Sciences, and Scotts Miracle-Gro Co. Meeting was April 16-18, 2012.

Oliver, J.B., A. Bray, and C.M. Ranger. 2011. Tree injection and other methods to improve trapping of buprestid, cerambycid, and scolytid borers. USDA-APHIS. Cooperative Agreement Renewal: 2011 Supplement approved on Sept. 23, 2011 for a project running from Sept. 1, 2010 to Aug. 31, 2012. \$44,000.

Oliver, J.B. and A.M. Callcott. 2011. In kind cooperative research funds provided to purchase research plants in Tennessee by USDA-APHIS PPQ Soil Inhabiting Pests Section, Gulfport, MS. Aug. 19, 2011. \$1,500.

Oliver, J.B. and C.M. Ranger. 2011. In kind cooperative research funds provided to purchase research plants used in Tennessee from USDA-ARS Horticultural Insects Research Laboratory, Wooster OH. July 29, 2011. \$2,200.

Bray, A. and **J.B. Oliver**. 2011. Walnut branch girdling to increase walnut twig beetle attraction within introduced range in Tennessee. US Forest Service. Period July 19, 2011 to Sept. 30, 2012. \$8,360.

Oliver, J.B., C. Ranger, and M. Reding. 2011. Identification of factors predisposing woody ornamentals to ambrosia beetle attack. USDA-ARS Specific Cooperative Agreement. 2011 Amendment Supplement No.#3 (20 June 2011) for a multi-year agreement running from Sept. 30, 2008 to Sept. 29, 2013. \$39,024.

Oliver, J.B. and N. Gawel. 2011. Evaluation of production practices, disease resistance and insect control measures in nursery crops. USDA-ARS Specific Cooperative Agreement No. 1230-21000-042-04S. 16 June 2011. Supplement \$60,000.

Oliver, J.B., C. Ranger, J. Moysenko, A. Bray, and N. Youssef. 2010. Evaluation of Quali-Pro imidacloprid 2F for pre-harvest management of early instar Japanese beetle. Quali-Pro Professional Turf & Ornamental Products. Dec. 6, 2010. Unrestricted Gift. \$3,500.

Oliver, J.B., S. Ochieng, C.M. Ranger, and M. Reding. 2010. Identification of factors predisposing woody ornamentals to ambrosia beetle attack. USDA-ARS Specific Cooperative Agreement. Sept. 2010 Amendment Supplement No.# 2 for a multi-year agreement running from Sept. 30, 2008 to June 30, 2011. \$39,024.39.

Oliver, J.B. and A.M. Callcott. 2010. In kind cooperative research funds provided to purchase research plants in Tennessee by USDA-APHIS PPQ Soil Inhabiting Pests Section, Gulfport, MS. Sept. and Nov. 2010. \$3,996.

Oliver, J.B. and C.M. Ranger. 2010. In kind cooperative research funds provided to purchase research plants used in Tennessee from USDA-ARS Horticultural Insects Research Laboratory, Wooster OH. September 2010. \$4,680.

Oliver, J.B., Ranger, C., J. Moysenko, and N. Youssef. 2010. Evaluation of Dazitol as a Japanese beetle grub treatment. Natural Forces LLC. August 30, 2010. Unrestricted Gift. \$500.

Oliver, J.B., S. Ochieng, and C.M. Ranger. 2010. Tree injection and other methods to improve trapping of buprestid, cerambycid, and scolytid borers. USDA-APHIS. August 2010 Cooperative Agreement Renewal for project period Sept. 1, 2010 to Sept. 1, 2011. \$44,000.

Mmbaga, M., **J.B. Oliver**, and S. Ochieng. 2010. Alternatives to conventional pesticides in disease and pest management in nursery production system. USDA Capacity Building Program. \$199,997. Sept. 1, 2010 to Aug. 31, 2013. (J. Oliver Co-Project Director - 10% salary support)

Oliver, J.B. and C.M. Ranger. 2010. In kind USDA technician travel expenditures to assist with TSU Entomology Program cooperative research at the Otis L. Floyd Nursery Research Center by USDA-ARS Horticultural Insects Research Laboratory, Wooster OH. \$9,917.

Oliver, J.B. and N. Gawel. 2010. Evaluation of production practices, disease resistance and insect control measures in nursery crops. USDA-ARS Specific Cooperative Agreement No. 1230-21000-042-04S. Supplement \$60,000.

Oliver, J.B. and S. Ochieng. 2009. Development of new methods and treatments to certify field-grown nursery plants against imported fire ants. Project period Oct. 31, 2009 to Sept. 30, 2012. \$29,972.

Oliver, J.B. and A.M. Callcott. 2009. In kind cooperative research funds provided to purchase research plants in Tennessee by USDA-APHIS PPQ Soil Inhabiting Pests Section, Gulfport, MS. 8 Sept. 2009. \$1,692.

Oliver, J.B. and C.M. Ranger. 2009. In kind cooperative research funds provided to purchase research plants used in Tennessee from USDA-ARS Horticultural Insects Research Laboratory, Wooster OH. September 2009. \$4,860.

Oliver, J.B. and C.M. Ranger. 2009. In kind USDA technician travel expenditures to assist with TSU Entomology Program cooperative research at the Otis L. Floyd Nursery Research Center by USDA-ARS Horticultural Insects Research Laboratory, Wooster OH. \$11,112.

Oliver, J.B., S. Ochieng, and C.M. Ranger. 2009. Tree injection and other methods to improve trapping of buprestid, cerambycid, and scolytid borers. USDA-APHIS. Sept. 30, 2009 to Aug. 30, 2010. \$100,000 (with possibility of renewal for 2 more years)

Oliver, J.B., N. Youssef, and M. Halcomb. 2009. Evaluation of Kontos (spirotetramat) for potato leafhopper and nursery insect control. Bayer Environmental Science. Unrestricted gift. June 19, 2009. \$5,550

Oliver, J.B. and C.M. Ranger. 2009. Identification of factors predisposing woody ornamentals to ambrosia beetle attack. USDA-ARS Specific Cooperative Agreement. 2009 Amendment No.#1 for multi-year agreement running from Sept. 30, 2008 to June 30, 2011. \$39,024.

Oliver, J.B., N. Gawel, and S.A. Ochieng. 2009. Evaluation of production practices, disease resistance and insect control measures for nursery crops. Specific Cooperative Agreement No. 1230-21000-042-04S. Mar. 26, 2009. \$60,000.

Oliver, J.B. and C.M. Ranger. 2008. Identification of factors predisposing woody ornamentals to ambrosia beetle attack. USDA-ARS Specific Cooperative Agreement. Sept. 30, 2008 to June 30, 2011. \$23,100.

Oliver, J.B. and A.M. Callcott. 2008. In kind cooperative research funds provided to purchase research plants in Tennessee by USDA-APHIS PPQ Soil Inhabiting Pests Section, Gulfport, MS. Sept. 10, 2008. \$2,016.

Oliver, J.B. and C.M. Ranger. 2008. In kind cooperative research funds provided to purchase research plants used in Tennessee from USDA-ARS Horticultural Insects Research Laboratory, Wooster OH. September 2008. \$5,632.

Oliver, J.B. 2008. Development of pre-harvest pyrethroid treatments for imported fire ant management in field-grown nursery stock. Middle Tennessee Nursery Association. 17 June 2008. \$2,500.

Oliver, J.B. 2008. Evaluation of Safari 20SG and Safari 2G for control of potato leafhopper in field-grown nurseries applied at 0.54 lb ai / acre as a banded application. Valent USA Corporation. 15 May 2008. \$2,000.

Oliver, J.B. and D. Fare. 2008. Physiological affects of imidacloprid in prevention of stress in woody ornamental plants. Bayer Environmental Science. 8 January 2008. \$12,000.

Oliver, J.B., S.A. Ochieng, and M.A. Halcomb. 2007. Bifenthrin band and broadcast treatments to manage imported fire ants in field nursery. Middle Tennessee Nursery Association. 22 October 2007. \$2,500.

Oliver, J.B., S. Ochieng, M.A. Halcomb, A. Callcott, and K. Vail. 2007. Pyrethroid band treatments to certify field nursery stock against imported fire ant. Horticultural Research Institute. 25 January 2007. \$20,000.

Oliver, J.B. and S. Ochieng. 2007. Development of treatments to manage quarantine insects in field nursery plants. USDA-ARS Cooperative Agreement No. 58-1230-2-036. \$39,025.

Oliver, J.B., D.C. Fare, M. Reding, N. Youssef, S. Scholl, and J. Moyseenko. 2006. Evaluation of clothianidin against flatheaded borers, potato leafhopper, and maple tip moth in field-grown nurseries. Arysta LifeScience North America Corporation. 26 October 2006. Unrestricted Gift. \$2,000

Oliver, J.B., D.C. Fare, M. Reding, N. Youssef, S. Scholl, and J. Moyseenko. 2006. Evaluation of thiamethoxam against flatheaded borers, potato leafhopper, and maple tip moth in field-grown nurseries. Syngenta Crop Protection, Inc. 25 October 2006. Unrestricted Gift. \$3,000

Oliver, J.B., D.C. Fare, M. Reding, N. Youssef, S. Scholl, and J. Moyseenko. 2006. Evaluation of dinotefuran against flatheaded borers, potato leafhopper, and maple tip moth in field-grown nurseries. Valent U.S.A. Corporation. 16 September 2006. Unrestricted Gift. \$2,000

Oliver, J.B., D.C. Fare, M. Reding, N. Youssef, S. Scholl, and J. Moyseenko. 2006. Evaluation of Discus and Marathon 60WP against Japanese beetle, flatheaded borers, potato leafhopper, and maple tip moth in field-grown nurseries. OHP, Inc. 14 September 2006. Unrestricted Gift. \$4,000

Oliver, J.B., M. Reding, N. Youssef, and J. Moyseenko. 2006. Evaluation of thiamethoxam against Japanese beetle in field-grown nurseries. Syngenta Crop Protection, Inc. 26 July 2006. Unrestricted Gift. \$2,000

Rashid, T., K. Vail, J.P. Parkman, and **J. Oliver**. 2006. Susceptibility of imported fire ants, *Solenopsis* spp., to insecticides applied to nursery root balls through a drip irrigation system. Horticultural Research Institute. 5 January 2006. \$14,000.

Oliver, J.B., M.E. Reding, J. Moyseenko, and N. Youssef. 2005. Evaluation of Discus for Japanese beetle in nurseries – summer 2005. OHP, Inc. 13 December 2005. Unrestricted Gift. \$4,000

Oliver, J.B., M.E. Reding, J. Moyseenko, and N. Youssef. 2005. Evaluation of clothianidin for Japanese beetle in nurseries – summer 2005. Arysta LifeScience North America Corporation. 3 August 2005. Unrestricted Gift. \$2,500

Oliver, J.B., M.E. Reding, J. Moyseenko, and N. Youssef. 2005. Evaluation of dinotefuran for Japanese beetle in nurseries – summer 2005. Valent U.S.A. Corporation. 1 August 2005. Unrestricted Gift. \$1,000

Oliver, J.B., M. Klein, J. Moyseenko, and N. Youssef. 2004. Marathon and Discus for management of early instar Japanese beetle larvae in field nurseries. Olympic Horticultural Products, Inc. 19 October 2004. Unrestricted Gift. \$3,000.

Oliver, J.B., V. Mastro, N. Youssef, J. Francese, and D. Lance. 2004. Development of trapping plans for emerald ash borer – year 2. USDA-APHIS. 10 June 2004. \$24,295. (Supplement to USDA-APHIS Grant Received May 1, 2004 [see below]).

Oliver, J.B., G. Haun, K. Vail, N. Youssef, T. Rashid, and S. Powell. 2004. Survey for red, black, and hybrid fire ants in Tennessee. Tenn. Dept. Agric. 21 Jan. 2004. \$27,335.

Oliver, J.B., M. Klein, J. Moyseenko, N. Youssef, and J. Higgins. 2004. Precise acephate nursery field trial against Japanese beetle. Pursell Technologies, Inc. 29 Jan. 2004. \$1,500.

Oliver, J.B., M. Klein, J. Moyseenko, and N. Youssef. 2004. Flagship for management of Japanese beetle larvae in field nurseries. Syngenta Crop Protection, Inc. 20 May 2004. \$5,500.

Oliver, J.B. and S. Dennis. 2003. Alternative field nursery stock quarantine treatments for imported fire ant and Japanese beetle as substitutes for chlorpyrifos. USDA-CSREES Pest Management Alternatives Program. 15 September 2003. \$200,000.

Oliver, J.B., V. Mastro, D. Lance, N. Youssef, J. Francese, and S. Lavalley. 2003. Development of trapping methods to collect emerald ash borer – 3 year plan. USDA-APHIS. 21 April 2003. \$48,169

Oliver, J.B., M. Klein, J. Moyseenko, N. Youssef, and W. Bachman. 2003. Efficacy of Flagship 25WG against insects when applied at band-width rates to nursery plants. Syngenta Crop Protection, Inc. \$5,500.

Oliver, J.B., M. Klein, J. Moyseenko, N. Youssef, and J. Dobbs. 2003. Marathon (imidacloprid) Japanese beetle field test – summer 2003. Olympic Horticultural Products, Inc. 11 Sept. 2003. \$3,000.

Oliver, J.B., L. Thead, and J. Vogt. 2003. Release and establishment of phorid flies in southern Tennessee – Supplement to 2002 Cooperative Agreement. USDA-ARS. 19 Sept. 2003. \$8,290.

Youssef, N.N. and **J.B. Oliver**. 2002. Evaluation of botanical compounds for repellence to adult Japanese beetle. Tennessee Nursery and Landscape Association. 27 Dec. 2002. \$1,000.

Gawel, N. and **J.B. Oliver**. 2002. Imported fire ant control. Tennessee Department of Agriculture. 1 February 2002. \$135,000.

Oliver, J.B., D. Fare, J. Atland, and W.E. Klingeman. 2002. Species of flatheaded borer impacting the ornamental industry and a method to survey borer activity within field nurseries. Horticultural Research Institute. 12 Dec. 2002. \$16,000.

Oliver, J.B., D.C. Fare, and W.E. Klingeman. 2002. Flatheaded borers of Middle Tennessee: Species responsible for damage to production nursery and a method to survey for activity within nurseries. Tennessee Nursery & Landscape Association. \$1,500.

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Oliver, J.B. and A.M. Callcott. 2002. Cooperative research funds received from USDA-APHIS PPQ Soil Inhabiting Pests Section, Gulfport, MS. 3 Sept. 2002. \$2,000.

Oliver, J.B. and J.T. Vogt. 2002. Cooperative agreement to release *Pseudacteon curvatus* and monitor for establishment in middle Tennessee. 24 Sept. 2002. \$9,878.

Oliver, J.B., M. Klein, J. Moyseenko, N. Youssef, and J. Dobbs. 2002. Marathon for control of Japanese beetle with or without Suffusion surfactant. Olympic Horticultural Products, Inc. 13 Sept. 2002. Unrestricted Gift. \$1,500.

Oliver, J.B., M. Klein, A.M. Callcott, J. Moyseenko, N. Youssef, and D. Shepard. 2002. Evaluation of Flagship 25WG and Scimitar GC for control of Japanese beetle grubs and fire ants. Syngenta Crop Protection, Inc. 29 Oct. 2002. Unrestricted Gift. \$2,500.

Mmbaga, M. and **Oliver, J.B.** 2001. Biorational products for powdery mildew and insect pest management in nursery crops. U.S. Environ. Prot. Agency Region 4 Strategic Agric. Initiative. \$100,000

Oi, D., D.F. Williams, J. Briano, **J. B. Oliver**, and R. Pereira. 2001. Infectivity and impact of the fire ant pathogen *Thelohania solenopsae* to black and hybrid imported fire ants from Tennessee. USDA-APHIS National Biological Cont. Instit. Implementation Grant. \$5,600.

Oliver, J.B. and D. Oi. 2001. Infectivity and impact of the fire ant pathogen *Thelohania solenopsae* to black and hybrid imported fire ants from Tennessee. Tennessee Nursery & Landscape Assoc. \$1,500

Oliver, J.B., G. Haun, and A.-M. Callcott. 2001. Seasonal phenology of fire ant mating flights within middle Tennessee nursery production region. Tennessee Nursery & Landscape Assoc. \$1,500.

Klingeman, W.E., **J.B. Oliver**, and P.C. Flanagan. 2001. Managing whitefringed rootworms in Tennessee nursery field soils. Tennessee Nursery & Landscape Association. \$1,500.

Oliver, J.B. and C.M. Mannion. 1998. Seasonal incidence of Asian ambrosia beetle, *Xylosandrus crassiusculus* (Motschulsky), and other ambrosia beetle species in Middle Tennessee. Tennessee Nursery and Landscape Association. 29 Dec. 1998. \$1,000.

Oliver, J.B. and M.J. Gaylor. 1993. Weed hosts of the banded-winged whitefly and weed effects on whitefly populations in and around cotton. The Alabama Cotton Commission and the State Support Committee. 5 Nov. 1993. \$6,000.

Significant Equipment Purchased for Tennessee State University

Nissan Frontier with crew cab (2004 model): \$16,000.

GMC Chevy Yukon Suburban (1993 model): \$5,000.

Two LandMark GPS Systems: \$11,265.

Minolta Portable Spectrophotometer: \$7,465.

Bioquip Insect Museum Cabinets and Specimen Drawers: \$7,302.

13. MISCELLANEOUS PUBLICITY AND IMPACTS / SERVICE TO STAKEHOLDERS

Three new generic imidacloprid products (Mallet 2F T&O Insecticide, Lada 2F Insecticide, and Quali-Pro Imidacloprid 2F T&O Insecticide) were added to the 6 June 2013 revision of the Domestic Japanese Beetle Harmonization Plan (JBHP) using support data from the TSU Entomology Program, including: 1) as new pre-harvest soil surface treatments for field-grown nursery stock and 2) as new grass sod treatments. These generic products are about \$0.06 cheaper per treated plant than the next cheapest product that is currently available in the JBHP for field-grown nursery stock.

Media Interview: The BBC Natural History Unit spent half a day filming me for the BBC program "Nature's Weirdest". The topic was imported fire ants, their issues, and biological control. Filming was done in the field in Warren County at a site with fire ant colonies. Unfortunately, the episode was not selected for the program. 17 Aug. 2012.

TSU Entomology Program is acknowledged in the USDA-APHIS Administrative Action to Change D301-81-1-(3) and D301.81-10(8) in Treatment Manual for evaluations and data that led to three new Federal Imported Fire Ant Quarantine Regulation Changes, including: 1) a new bifenthrin immersion treatment for balled and burlapped (B&B) nursery stock, 2) a new bifenthrin grass sod treatment, and 3) clarification of application method for drench treatment of B&B nursery stock. 20 June 2012. These regulation changes have increased the certification time for B&B from 1 month to 6 months and provided a major cost reduction for grass sod producers over existing treatment options.

TSU Entomology Program insect collection received a formal international museum coden designation of TSRS in the Spiders and Insect Collections of the World. (13 Feb. 2012). Our program expertise in buprestid identification is nationally recognized. Our group has provided identification services for North Carolina State University Insect Museum and the Massachusetts Dept. Agric. Resources for their *Cerceris fumipenni* program for early detection of emerald ash borer. We regularly perform identifications for other individuals and groups. Our group was also responsible for the first detection of a new invasive in the U.S. (*Agrilus subrobustus*), the addition of 53 new buprestid state records for Tennessee, and 18 new buprestid host records.

Interview provided to Nashville News Channel 5 on insect issues impacting the nursery industry. Interview done at the Otis. L. Floyd Nursery Research Center. 16 July 2013.

Interview provided to reporter/author Justin Nobel for article published in Nautilus magazine about imported fire ants (Title: Ants Go Marching). 11 July 2013.

TSU Entomology Program prepared and donated an insect collection to the Warren County Bridgestone Environmental Education Classroom and Habitat (BEECH). Approximately 5,000 school-aged children pass through the BEECH program annually.

Shute, M.E. and M. Thompson. 2007. Tennessee State University Research Horizons 2005 Annual Report. Division of Sponsored Research and Programs. Nashville, TN. Publ. No. TSU-06-0011(B)-3-225015. (Imported fire ant research program at Tennessee State University highlighted in this issue). - [Weblink \(note: this is a large file ~ 325 MB\)](#)

Hansen, J. and N. Youssef. 2007. Unraveling the mysteries of the wood-boring beetle species complex. Tennessee GreenTimes. 8: 20-23. **(Cited in the article for importance in developing new purple trap monitoring tool for flatheaded borers and for cooperation with UT and USDA)**

Flores, A. and J. Core. 2004. Putting out the fire ARS sets up regional programs to combat imported fire ants. Agricultural Research. December 2004: 12-14. (**Cooperative fire ant research with USDA-ARS cooperators at Tennessee State University highlighted in this issue**). - [Weblink](#)

Gunn, S. 2004. City wins \$25,000 in fire ant contest. Winchester Tennessee Herald Chronicle Newspaper article. 27 January 2004. (**Oliver credited for involvement in educational program that facilitated John Ferrell [TSU Cooperative Extension] and City of Winchester in receiving \$25,000 Fire Ant Contest Award sponsored by GardenTech Inc.**). - [Weblink to Archives](#)

Letters of appreciation from Gray Haun (Plant Certification Administrator, Tennessee Department of Agriculture) for continued efforts to establish imported fire ant phorid-decapitating fly parasitoids in the state of Tennessee and for our Program's assistance with the development of trap monitoring techniques for the invasive walnut twig beetle (23 and 24 April 2013).

Letter of appreciation from Gray Haun (Plant Certification Administrator, Tennessee Department of Agriculture) for establishment of the imported fire ant phorid-decapitating fly parasitoid, *Pseudacteon curvatus*, in the state of Tennessee (5 January 2004).

14. COMPUTER EXPERIENCE

Typing Speed: 55 words per minute

Microsoft Office (Excel, PowerPoint, and Word), SAS 9.1, Sigma Plot 10.0, ArcView 9.1, SoloField CE 3.2 GPS Field Mapping, Specware 6.01 Weather Datalogger Software, Spectra Magic 3.61 Portable Spectrophotometer Software, Microsoft Outlook, Internet Explorer, Adobe Acrobat and Photoshop

15. LABORATORY AND FIELD EQUIPMENT EXPERIENCE

LandMark Systems Global Positioning Unit (skills include mapping, waypoint navigation, and experimental plot layout).

Minolta CM-2600d Spectrophotometer (Portable)

Newport Spectra-Physics xenon light system and band pass filters. System presently on-loan to USDA-APHIS Otis Pest Survey, Detection, and Exclusion Laboratory for testing color perception in emerald ash borer by electroretinogram.

Spectrum Watchdog Dataloggers and Temp100K Units (Light, temperature, rainfall, humidity)

General Laboratory Equipment: Dissecting and compound microscopes, ovens, soil sterilizer, Percival Scientific growth chambers, freeze dryer, autoclave, electronic scales, digital calipers, micropipeters, Tri-Coastal Industries crane scale (used to weigh B&B nursery plants), leaf area meters, digital cameras, etc.

John Deere 770 Tractor with tiller and brush cutter; John Deere 640 Tractor with mechanical planter, pallet forks; Kubota 8410 Tractor with sprayer, herd spreader, and brush cutter.

Drip irrigation, black line/spaghetti emitters, spray stakes, irrigation bags

CO₂ and Pump operated backpack sprayers

Bobcat Skidsteer – Proficient with mechanical tree spade (i.e., 1000+ trees harvested for field tests), pallet, and bucket attachments. Periodic usage of auger and trenching attachments. Also experience in booming and moving heavy equipment.

General Field Equipment: John Deere and other brand lawn mowers, weed eaters, farm gators, Gandy drop spreader, Herd spreader, various chest and push spreaders, gas powered pumps, electric pumps, roller pumps, shop equipment like drills and cutting implements, etc.