

# Lawrence C. “Fudd” Graham

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## Present Position

*Research Fellow IV*  
*Coordinator*

Alabama Invasive Ant Program  
School IPM Program

Auburn University  
Department of Entomology & Plant Pathology  
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## Personal Data

Birth Date: October 8, 1952 in Tuscaloosa, Alabama

Residence: 10796 Highway 50  
Dadeville, AL 36853  
Telephone: (256) 896-2175

## Education

Ph.D. Entomology 2000 Auburn University, Auburn, AL.  
Dissertation Title: Effect of Soil Potassium, Drought Stress, and Selected Insecticides on the Beet Armyworm, *Spodoptera exigua* (Hübner), in Conventional and Bt Cotton  
Major Professor - Dr. Michael J. Gaylor

B.S. Animal & Dairy Science 1976 Auburn University, Auburn, AL.

## Professional Experience

2011-present Coordinator, Alabama Fire Ant Management Program and School IPM Program  
2012-present Board Member – Alabama Vector Management Society  
2010-2011 President – Alabama Vector Management Society  
2010-2011 President-elect – Alabama Vector Management Society  
2010-present Co-chair Entomological Society of America School IPM Network  
2009-present Southern Region IPM Center Advisory Council Member  
2008-2010 Board Member – Alabama Pest Control Association  
2008-2010 Board Member – Alabama Vector Management Society  
2007-present Co-chair Southern Region School IPM Workgroup  
2007-2011 Coordinator, Alabama Fire Ant Management Program, School IPM Program, and Pesticide Safety Education Program (Research Fellow IV), Auburn University; coordinate on-going and design new research projects including release and monitoring of biological control agents of fire ants, evaluation of fire ant control strategies using IPM methods, and use of GPS/GIS technology to collect data; coordinate equipment use, data collection, insect sampling and educational efforts with other project leaders; develop project protocols and budgets; implement protocols and manage budgets, including collection and bio-statistical analysis of data, conducting on-site demonstrations, conducting

surveys, maintenance of laboratory equipment and databases, and purchase of laboratory equipment and supplies; develop and present educational and informational programs for training sessions, workshops, field days, Alabama National Fair, and media; prepare reports to funding agency for all fire ant project leaders; assist other project leaders with data collection and educational programs; supervise laboratory personnel and student workers; assist graduate students with research projects; prepared educational materials for pesticide safety programs; prepare study materials for commercial and private pesticide applicators; coordinate educational programs with the Department of Agriculture and Industries and commodity organizations; organize and make presentations at educational meetings for pesticide applicator CEU's; IN ADDITION, continued IPM project in Auburn, Boaz, Saraland, Alexander City, and Sylacauga city school systems; continued school IPM projects in Mobile, Geneva, Elmore, and Shelby County School Systems; coordinated school IPM projects with local PMPs; trained school personnel and pest management professionals in principles of urban IPM.

2004-2007

Coordinator, Alabama Fire Ant Management Program and Pesticide Safety Education Program (Research Fellow III), Auburn University; coordinate on-going and design new research projects including release and monitoring of biological control agents of fire ants, evaluation of fire ant control strategies using IPM methods, and use of GPS/GIS technology to collect data; coordinate equipment use, data collection, insect sampling and educational efforts with other project leaders; develop project protocols and budgets; implement protocols and manage budgets, including collection and bio-statistical analysis of data, conducting on-site demonstrations, conducting surveys, maintenance of laboratory equipment and databases, and purchase of laboratory equipment and supplies; develop and present educational and informational programs for training sessions, workshops, field days, Alabama National Fair, and media; prepare reports to funding agency for all fire ant project leaders; assist other project leaders with data collection and educational programs; supervise laboratory personnel and student workers; assist graduate students with research projects; prepared educational materials for pesticide safety programs; prepare study materials for commercial and private pesticide applicators; coordinate educational programs with the Department of Agriculture and Industries and commodity organizations; organize and make presentations at educational meetings for pesticide applicator CEU's; IN ADDITION, expanded IPM project in Auburn city school system; initiated school IPM projects in Mobile County School System, Boaz City School System, Geneva County School System, Elmore County School System, Shelby County School System, Saraland City School System, Alexander City School System and Sylacauga City School Systems; coordinated school IPM projects with local PMPs; trained school personnel and pest management professionals in principles of urban IPM.

2000-2004

Coordinator, Alabama Fire Ant Management Program (Research Fellow II), Auburn University; coordinate on-going and design new research projects including release and monitoring of biological control agents of fire ants, evaluation of fire ant control strategies using IPM methods, and use of GPS/GIS technology to collect data; coordinate equipment use, data collection, insect sampling and educational efforts with other project leaders; develop project protocols and budgets; implement protocols and manage budgets, including collection and bio-statistical analysis of data, conducting on-site demonstrations, conducting surveys, maintenance of laboratory equipment and databases, and purchase of laboratory equipment and supplies; develop and present educational and informational programs for training sessions, workshops, field days, Alabama National Fair, and media; prepare reports to funding agency for all fire ant project leaders; assist other project leaders with data collection and educational programs; supervise laboratory personnel and student workers; assist graduate students with research projects; IN ADDITION, set up pilot school IPM project in Auburn city school system;

coordinated school IPM project with local PMP; monitored traps and supervised program for first year of project, trained school personnel and pest management professionals in principles of urban IPM, initiating school IPM project in Mobile County School System.

1999-2000 Coordinator, Alabama Fire Ant Management Program (Research Assistant III), Auburn University; coordinate on-going research projects including release and monitoring of biological control agents of fire ants, evaluation of fire ant control strategies using IPM methods, and use of GPS/GIS technology to collect data; coordinate equipment use, data collection, insect sampling and educational efforts with other project leaders; develop project protocols and budgets; implement protocols and manage budgets, including collection and bio-statistical analysis of data, conducting on-site demonstrations, conducting surveys, maintenance of laboratory equipment and databases, and purchase of laboratory equipment and supplies; develop and present educational and informational programs for training sessions, workshops, field days, Alabama National Fair, and media; prepare reports to funding agency for all fire ant project leaders; assist other project leaders with data collection and educational programs; supervise laboratory personnel and student workers; assist graduate students with research projects.

1989-1999 Laboratory Supervisor/Research Assistant III, Department of Entomology, Auburn University; supervise overall operations of laboratory and field research activities; assist with research on integrated management of arthropod pests in cotton, including experimental design and layout; care and operation of spray and harvest equipment; analysis and presentation of data; supervision of student and summer labor.

1986-1989 Laboratory Technician III, Department of Entomology, Auburn University; assist with research on integrated management of arthropod pests in cotton, including experimental design and layout; care and operation of spray and harvest equipment; analysis of data; supervision of student and summer labor.

1982-1986 Laboratory Technician II, Department of Entomology, Auburn University; assist with research on integrated management of arthropod pests in cotton, including experimental design and layout; care and operation of spray and harvest equipment; analysis of data; supervision of student and summer labor.

1978-1982 Assistant County Agent - Lee County, Alabama, Cooperative Extension Service, Auburn University; plan and implement educational programs for 4-H youth, livestock producers, forage producers, grain producers, and apiculturalists; photojournalist for office staff; superintendent of Lee County steer, heifer, hog and horse shows and Montgomery Area steer show.

1977-1978 Assistant County Agent - Houston County, Alabama, Alabama Cooperative Extension Service, Auburn University; plan and implement educational programs for 4-H youth; photojournalism for office staff.

1976-1977 Salesman, Fidelity Union Life Insurance Co., Auburn, Alabama.

1971-1975 Cotton Scout, Pickens County Cotton Farmers, Pickens County, Alabama.

1977-1978 Assistant County Agent - Houston County, Alabama, Alabama Cooperative Extension Service, Auburn University; plan and implement educational programs for 4-H youth; photojournalism for office staff.

1976-1977 Salesman, Fidelity Union Life Insurance Co., Auburn, Alabama.

1971-1975 Cotton Scout, Pickens County Cotton Farmers, Pickens County, Alabama.

## Grants, Contracts & Gifts

Henry Fadimiro, Tim Reed, Kassie Conner, Charles Ray, Xing-Ping Hu, **L. C. 'Fudd' Graham**, Dale Monks, Charles Ray, Ayanava Majumdar, Rammohan Balusu Austin Hagan Franklin Quarcoo. 2017. Statewide Extension IPM Coordination Program for Auburn University and Alabama Cooperative Extension System for 2017-2020 USDA-EIPM. \$40,950 for School IPM program.

**L. C. 'Fudd' Graham**, Kelly Palmer and Jeremy Pickens. 2017. Creation and Dissemination of Tawny Crazy Ant Extension Materials. SIPM Enhancement Grant. \$40,000.

**Fudd Graham**. 2017. Gift to Tawny Crazy Ant Program. BASF, \$4,000

**L. C. 'Fudd' Graham**. 2017. Alabama Grass Sod Treatments for IFA Quarantine. USDA-APHIS. \$9,000.

**L. C. 'Fudd' Graham**. 2016. Alabama Grass Sod Treatments for IFA Quarantine. USDA-APHIS. \$9,000.

**L. C. 'Fudd' Graham**. 2016. Effectiveness of (s)-methoprene and Adulticide Combinations for the Suppression of Red Imported Fire Ants. Wellmark International. \$14,400

**L. C. 'Fudd' Graham**. 2015. Alabama Grass Sod Treatments for IFA Quarantine. USDA-APHIS. \$9,000.

Henry Fadimiro, Tim Reed, Kassie Conner, Charles Ray, Xing-Ping Hu, **Graham, L. C. 'Fudd' Graham**, Rudy Pacumbaba, Franklin Quarcoo, Ayanava Majumdar. 2014. Statewide Extension IPM Coordination Program for Auburn University and Alabama Cooperative Extension System for 2014-2017 USDA-EIPM. \$22,500 for School IPM program.

**L. C. 'Fudd' Graham**. 2014. Organize and Set Priorities for a Southern Region Tawny Crazy Ant Working Group. SIPM Enhancement Grant. \$10,000.

**L. C. 'Fudd' Graham**. 2014. Acephate Replacement – Orthene Fire Ant Killer. The Scotts Company LLC, \$8,400.

Hurley, Janet\* Partnerships: Dawn Gouge, Kaci Buhl, Deborah Young, and **L.C. 'Fudd' Graham**. 2014. iSchool Pest Manager - School IPM Enhancement Program. Texas Cooperative Extension Via EPA (\$240,000 total), \$10,000 to AU.

**L. C. 'Fudd' Graham**. 2014. Urban IPM. eXtension i-Three Corps Grant. Travel Expenses to Conference.

**L. C. 'Fudd' Graham**. 2014. Urban IPM. eXtension Leadership Grant. \$10,000

**Fudd Graham**. 2014 Fire Ant Insecticide Trials. BASF, \$11,340

**Fudd Graham**. 2014 Gift to Fire Ant Program. Wellmark International, \$7,500

**L. C. 'Fudd' Graham**. 2013. Urban IPM. eXtension Grant. \$10,000.

**Fudd Graham**. 2013 Alabama Grass Sod Treatments for IFA Quarantine. USDA-APHIS, \$8,000

**Fudd Graham**. 2013 Fire Ant Bait Trials. Wellmark International, \$10,000

**Fudd Graham**. 2013 Fire Ant Bait Trials. MGK, \$15,120

**L. C. 'Fudd' Graham**. 2012. Urban IPM. eXtension Grant. \$12,500.

**Fudd Graham**. 2012. ADAI/Legislature line item – Fire ants. FY10 \$100,000.

**Fudd Graham**. 2012 Alabama Grass Sod Treatments for IFA Quarantine. USDA-APHIS, \$8,000

**Fudd Graham**. 2012 Fire Ant Bait Trials. Wellmark International, \$8,000

**Fudd Graham.** 2012 Fire Ant Insecticide Trials. Arysta, \$10,000

**L. C. 'Fudd' Graham.** 2012. Urban IPM. eXtension Grant. \$12,500.

**L. C. 'Fudd' Graham.** 2011. Urban IPM. eXtension Grant. \$15,000.

**Fudd Graham. 2011. ADAI/Legislature line item – Fire ants. FY10 \$147,073.**

**Fudd Graham.** 2011 Alabama Grass Sod Treatments for IFA Quarantine. USDA-APHIS, \$8,000

**L. C. 'Fudd' Graham.** 2011. Urban IPM. eXtension Grant. \$15,000.

**L. C. 'Fudd' Graham.** 2010. Pesticide Safety Education Program. USDA CSREES. \$23,616.

Henry Fadimiro, Tim Reed, Kassie Conner, Charles Ray, Xing-Ping Hu, Graham, **L. C. 'Fudd' Graham**, Rudy Pacumbaba, Franklin Quarcoo, Ayanava Majumdar. 2010. Statewide Extension IPM Coordination Program for Auburn University and Alabama Cooperative Extension System for 2010-2013 USDA-EIPM. \$45,000 for School IPM program.

**Fudd Graham. 2010. ADAI/Legislature line item – Fire ants. FY10 \$159,000.**

**L. C. 'Fudd' Graham.** 2009. Pesticide Safety Education Program. USDA CSREES. \$25,479.

**L. C. 'Fudd' Graham.** 2010. Urban IPM. eXtension Grant. \$15,000.

**L. C. 'Fudd' Graham.** 2009. IPM in Alabama Schools. EIPM-CS. \$15,000.

**Fudd Graham. 2009. ADAI/Legislature line item – Fire ants. FY09 \$180,000.**

**Fudd Graham.** 2009. Field evaluation of fire ant control products. FMC, \$8,000.

Thomas A. Green (**F. Graham, J. Hurley SRIPM reps**). 2008-2011 IPM in All U.S. Schools by 2015. EPA PRIA2 Grant. \$250,000 total, \$55,000 to SRIPM Workgroup.

F. Oi., R. Baldwin, J. Hurley, M. Merchant and **F. Graham.** 2008. Marketing IPM as Green School Technology. National EIPM Renewal Grant, \$57,456.

**F. Graham.** 2008. Field evaluation of metaflumizone. BASF, \$4,000.

**F. Graham. 2008. ADAI/Legislature – Fire ants. FY08 \$200,000**

**L. Graham.** 2007. Siesta Fire Ant Bait Trial. BASF. \$4,000.

Merchant et al. (**Oi, Baldwin, and Graham collaborators**). 2007-2010. Multi-State Evaluation of School IPM Cost-Calculator and Training Model. SRIPMC Grant. \$11,550.

Oi, F., R. Baldwin, J. Hurley, M. Merchant and **F. Graham.** 2007. Marketing IPM as Green School Technology. National EIPM Grant, \$78,432.

Jackai, Louis, R. Ankumah, H. Oh, N. Tackie, A. G. Appel, **L. C. 'Fudd' Graham**, R. Pacumbaba. 2007. Integrated Pest Management and Food Safety in the Small Farm Environment. AALGA Grant \$10,000.

**Fudd Graham.** 2007. School IPM PCO Training. Alabama Department of Ag and Ind. Grant funded. \$42,000.

**F. Graham. 2007. ADAI/Legislature line item – Fire ants. FY07 \$200,000**

**L. Graham.** 2007. Siesta Fire Ant Bait Trial. BASF. \$5,000.

Faith Oi and **Fudd Graham**. 2006. Urban IPM. eXtension Grant \$40,000

**F. Graham. 2006. ADAI/Legislature line item – Fire ants. FY06, \$200,000**

**L. Graham.** 2006. Fireant Control with Metaflumizone, Broadcast and IMT (2 trials). BASF. \$5,000.

**L. Graham.** 2006. Field Evaluation of Fire Ant Granular Insecticides. Tech Pac L.L.C. Program gift, \$11,000.

**F. Graham.** 2006. Maintenance and Expansion of School IPM Programs in Alabama. Alabama Cooperative Extension System – Auburn University Integrated Pest Management (IPM) Competitive Mini-Grant Program. \$3500.

**L. Graham.** 2005. Alabama Department of Agriculture and Industries, program gift for web development, \$5,000.

Jackai, L, RO Ankumah, J. Oh and N.O. Tackie, **F. Graham**, A.G. Appel, R. P. Pacumbaba. 2005. Integrated Pest Management and Food Safety in the Small Farm Environment. \$99,250

K. L. Flanders, **L. C. "Fudd" Graham**, J. Elmore. 2005. Sustainable Fire Ant Management Demonstrations in Cattle Production Systems. \$4,660

**F. Graham. 2005. ADAI/Legislature line item – Fire ants. FY05, \$120,000**

**L. Graham.** 2005. Fireant Control with Fipronil Treated Perennial Ryegrass Seed. BASF. \$5,000.

**F. Graham. 2004. ADAI/Legislature line item – Fire ants. FY04, \$143,500**

Joe Debrow & **L. C. "Fudd" Graham**. 2003. Strategic Implementation of IPM in Schools Utilizing a Statewide Coalition. \$40,000 (funded by EPA via Alabama Department of Agriculture and Industries)

**F. Graham. ADAI/Legislature – Fire ants. FY03, \$128,790**

**L. Graham.** 2002. Field Evaluation of Fire Ant Baits and Granular Insecticides (Two Trials). Aventis Biosciences, \$9,000.

**L. Graham.** 2002. Field Evaluation of Fire Ant Baits. Valent Biosciences Corporation, \$2,500.

**F. Graham. ADAI/Legislature line item – Fire ants. FY02, \$144,750 2002 Fire ant grants below and other fire ant projects not listed supported from these funds.**

M. Williams and **L. Graham**. 2002. Coordination and Support of the Alabama Fire Ant Management Program. \$47,778

**L. Graham**, K. Flanders, V. Bertagnolli, H. Fadamiro, H. Dorough, R. Hudson, M. Oglesby, M. Faver, D. Cain. 2002. Evaluation of Integrated Pest Management Methods for Red Imported Fire Ants in Alabama. \$26,186

A. G. Appel and **L. C. Graham**. 2002. Energetics of Foraging & Load Carriage & Temperature Acclimation of RIFA. \$16,435

K. Flanders, **L. Graham**, K. McLean, V. Bertagnolli. 2002. Fire Ant Education and Outreach. \$12,614

**L. Graham.** 2001. Field Evaluation of New Fire Ant Insecticides, Aventis Biosciences, program gift, \$5,000

**F. Graham. ADAI/Legislature line item – Fire ants. FY01, \$100,000 2001 Fire ant grants below and other fire ant projects not listed supported from these funds.**

- M. Williams and **L. Graham**. 2001. Coordination and Support of the Alabama Fire Ant Management Program. \$60,500
- L. Graham**, K. Flanders, H. Dorough, R. Hudson, M. Oglesby, M. Faver, D. Cain, K. Ward, J. T. Vogt, and S. D. Porter. 2001. Evaluation of Integrated Pest Management Methods for Red Imported Fire Ants in Alabama. \$21,250
- A. G. Appel and **L. C. Graham**. 2001. Heat and Desiccation Tolerances and Water Budgets of Alate and Worker Red Imported Fire Ant Alates. \$14,000
- K. Flanders, **L. Graham**, K. McLean, R. Vester, and H. Dorough. 2001. Fire Ant Education and Outreach. \$9,000
- X. P. Hu, **F. Graham**, A. Appel, and K. Flanders. 2001. Facilitating Fire Ant IPM Implementation in the Prichard City School, Alabama. \$15,000
- F. Graham. ADAI/Legislature line item – Fire ants. FY00, \$100,000 2000 Fire ant grants below and other fire ant projects not listed supported from these funds.**
- L. Graham**, K. Flanders, H. Dorough, R. Hudson, and K. Ward. 2000. Evaluation of Integrated Pest Management Methods for Red Imported Fire Ants in Alabama. \$29,711
- M. Williams and **L. Graham**. 2000. Coordination and Support for the Alabama Fire Ant Management Program. \$50,290
- K. Flanders, **L. Graham**, A. Appel, N. Hue, and K. McLean. 2000. Development and Dissemination of Materials That Increase Public Knowledge of Fire Ant Biology and Management. \$9,950
- A. Appel and **L. Graham**. 2000. Heat Tolerance, Desiccation and Water Budgets of Red Imported Fire Ant Alates. \$2,800
- L. Weatherly, **L. Graham**, A. Appel and K. Flanders. 2000. Implementation of a Fire Ant Management Program in the Tuscaloosa School System. \$1,337
- K. Flanders, K. Ward, R. Ward, **L. Graham** and K. Creel. 2000. We Can Do Something About Fire Ants - Training Professionals and Developing Teaching Materials in Sustainable Fire Ant Management. 2000 Southern Region SARE Professional Development Program. \$40,155
- M. Eubanks and **L. Graham**. 2000. The Ecological and Economic Significance of Fire Ants in Field Crops. \$16,000
- F. Graham. ADAI/Legislature line item – Fire ants. FY99, \$100,000 1999 Fire ant grants below and other fire ant projects not listed supported from these funds.**
- L. Graham**, K. Flanders, H. Dorough and K. Ward. 1999. Evaluation of Integrated Pest Management Methods for Red Imported Fire Ants in Alabama. \$45,000
- M. Williams and **L. Graham**. 1999. Coordination and Support for the Alabama Fire Ant Management Program. \$25,200
- K. Flanders, **L. Graham**, A. Appel, and K. McLean. 1999. Development and Dissemination of Materials That Increase Public Knowledge of Fire Ant Biology and Management. \$8,650
- L. Weatherly, **L. Graham**, A Appel and K. Flanders. 1999. Implementation of a Fire Ant Management Program in the Tuscaloosa School System. \$1,440
- M. J. Gaylor and **L. C. Graham**. 1997. Effects of Soil Potassium on Beet Armyworm Mortality and Susceptibility to Selected Insecticides in Bt Cotton. Alabama Cotton Commission. \$5094 (\$3000 funded).

M. J. Gaylor and **L. C. Graham**. 1995. Effects of Soil Potassium on Beet Armyworm in Cotton. Alabama Cotton Commission. \$2600

## Publications

### Refereed Journal Articles

- Graham, L. C. "Fudd"**, Hurley, Janet; and Flanders, Kathy (2015) "Wildlife Damage Management in the Digital Age: Collaborating With Others," Human–Wildlife Interactions Vol. 9: Iss. 2, Article 4
- Callcott, Anne-Marie A., Sanford D. Porter, D. Weeks Ronald, Jr., **L. C. "Fudd" Graham**, Seth J. Johnson, Lawrence E. Gilbert. 2011. Fire ant decapitating fly cooperative release programs (1994-2008): Two *Pseudacteon* species, *P. tricuspis* and *P. curvatus*, rapidly expand across imported fire ant populations in the southeastern United States. 2011. J. Insect Sci. Volume 11, Issue 1.
- Barden, S. A., D. W. Held and **L. C. 'Fudd' Graham**. 2011. Lack of Interactions between Fire Ant Control Products and White Grubs (Coleoptera: Scarabaeidae) in Turfgrass. J. Econ. Ent. 104(6):2009-2016.
- Porter, S. D., **L. C. Graham**, S. J. Johnson, L. G. Thead and J. A. Briano. 2011. The Large Decapitating Fly *Pseudacteon litoralis* (Diptera: Phoridae): Successfully Established in Alabama. Florida Entomologist. 94(2):208-213.
- Callcott, A. A., S. D. Porter, R. D. Weeks Jr., **L. C. Graham**, S. J. Johnson and L. E. Gilbert. 2010. Fire ant decapitating fly cooperative release programs (1994-2008): Two *Pseudacteon* species, *P. tricuspis* and *P. curvatus*, rapidly expand across imported fire ant populations in the southeastern United States. Journal of Insect Science 11:19, 1-25.
- Valles, Steven M., Charles A. Strong, David H. Oi, Sanford D. Porter, Roberto M. Pereira, Robert K. Vander Meer, Yoshifumi Hashimoto, Linda M. Hooper-Bùi, Hussein Sánchez-Arroyo, Tim Davis, Vedham Karpakakunjaram, Karen M. Vail, **L.C. "Fudd" Graham**, Juan A. Briano, Luis A. Calcaterra, Lawrence E. Gilbert, Rufina Ward, Kenneth Ward, Jason B. Oliver, Glenn Taniguchi and David C. Thompson. In press. Phenology, distribution, and host specificity of *Solenopsis invicta* virus. J. Invert. Path. (avail online).
- Green, T. A., D. H. Gouge, L. A. Braband, C. R. Foss, and **L. C. Graham**. 2007. IPM STAR certification for school systems: Rewarding pest management excellence in schools and childcare facilities. American Entomology. 53:150-157.
- Fadamiro, H. Y., L. Chen, E. Onagbola, and **L. Graham**. 2005. Lifespan and Patterns of Accumulation and mobilization of Nutrients in Sugar Fed Phorid Fly *Pseudacteon tricuspis*. Physiological Entomology 30: 212-224.
- Graham, L. C. 'Fudd'**, Sanford D. Porter, Roberto M. Periera, Henry D. Dorough, and Amber T. Kelley. 2003. Field releases of the decapitating fly *Pseudacteon curvatus* (Diptera: Phoridae) for control of imported fire ants (Hymenoptera: Formicidae) in Alabama, Florida, and Tennessee. Florida Entomol. 86: 335-340.
- Stewart, S. D, **L. C. Graham**, M. J. Gaylor and L.A. Vanderberg. 2001. Combining exclusion techniques and larval death rate analyses to evaluate mortality factors of *Spodoptera exigua* (Hübner) (Lepidoptera: Noctuidae) in cotton, *Gossypium hirsutum* (L.). Florida Entomol. 84: 7-22.
- Fleischer, S. J., M. J. Gaylor, N. V. Hue and **L. C. Graham**. 1985. Uptake and elimination of rubidium, a physiological marker in adult *Lygus lineolaris* (Hemiptera: Miridae). Ann. Entomol. Soc. Amer. 79:19-25.

### Extension Publications



- Flanders, K. L., Kelly Palmer, **Fudd Graham**, Paul Nester, Robert T. Puckett, Molly Keck, Mike Merchant, Tim Davis, Karen Vail, Jason Oliver, John Hopkins, Kelly Loftin, Dennis Ring, Vicky Bertagnoli-Heller, Faith Oi. 2018. Managing red imported fire ants in agriculture. <https://articles.extension.org/pages/74530/managing-imported-fire-ants-in-agriculture>
- Anderson, M., K. Chambers, T. Green, D. Gouge, J. Hurley, T. Stock, Z. Bruns, M. Shour, C. Foss, **F. Graham**, K. Murray, and S. Glick. 2011. The Business Case For Integrated Pest Management in Schools: Cutting Costs and Increasing Benefits. P.8.
- Chambers, K., T. Green, D. Gouge, J. Hurley, T. Stock, Z. Bruns, M. Shour, C. Foss, **F. Graham**, K. Murray, L. Braband, S. Glick and M. Anderson. 2011. The Business Case for Integrated Pest Management in Schools: Cutting Costs and Increasing Benefits. 8 pp.
- Chambers, K., D. Gouge, T. Green, J. Hurley, T. Stock, Z. Bruns, M. Shour, C. Foss, **F. Graham**, K. Murray and S. Glick. 2011. Coalition Operating Manual. 6pp.
- Gouge, D., T. Green, K. Chambers, J. Hurley, T. Stock, M. Shour, C. Foss, L. Braband, **F. Graham**, K. Murray, S. Glick, Z. Bruns and M. Anderson. 2011. Reducing Your Child's Asthma Using Integrated Pest Management: A Practical Guide for Parents Around the Home. National School IPM Steering Committee. 4 pp.
- National School IPM Steering Committee. 2011. Memorandum of Understanding (MOU). 2 pp.
- National School IPM Steering Committee. 2011. Model Funding Resources for a School IPM Coalition. 12 pp.
- Ring, D., D. Pollet, J. Hurley, **L.C. "Fudd" Graham**, F. Oi, J. Hopkins, K. Vail, M. Merchant. 2010. Pest Identification Guide: For Pests in and Around Buildings. Southern Region School IPM Working Group/Southern IPM Center. LSU Ag Center Pub. 3158. (pocket flip guide to pests of schools and buildings) 48 pp.
- Graham, L. C. 'Fudd'** and Kim Pope. 2010. Commercial Pesticide Applicator Study Manual, Recertification. ANR- 1390. Ala. Coop. Ext. Sys. ANR-432.
- Graham, L. C. 'Fudd'** and Kim Pope. 2010. Commercial Pesticide Applicator Study Manual, Right-of-Way. Ala. Coop. Ext. Sys. ANR-556.
- Graham, L. C. 'Fudd'** and Kim Pope. 2010. Commercial Pesticide Applicator Study Manual, Public Health. Ala. Coop. Ext. Sys. ANR-430.
- Graham, L. C. 'Fudd'** and Kim Pope. 2010. Private Pesticide Applicator Study Manual. Ala. Coop. Ext. Sys. ANR-1307.
- Graham, L. C. 'Fudd'** and Kim Pope. 2010. Safety and General Pesticide Information, Alabama Pest Management Handbook,. Ala. Coop. Ext. Sys. ANR-500-A.
- Flanders, K., **F. Graham**, D. Shanklin, and B. Richardson. 2010. The hidden truth about red imported fire ants. Ala. Coop. Ext. Sys. ANR-1185.
- Gouge Dawn H., Tom Green, Marc Lame, Mark Shour, Janet Hurley, Lynn Braband, Sherry Glick, **Fudd Graham**, and Kathy Murray. 2009. Integrated Pest Management: The Most Effective Way to Manage Pests in Your School! AZ Cooperative Extension, AZ1234.
- Graham, L. C. 'Fudd'** and **Krystal McDuff**. 2009. Commercial Pesticide Applicator Study Manual, Agricultural Plant. Ala. Coop. Ext. Sys. ANR-432.
- Graham, L. C. 'Fudd'**. 2009. Safety and General Pesticide Information, Alabama Pest Management Handbook,. Ala. Coop. Ext. Sys. ANR-500-A.

- Flanders, K., **F. Graham**, D. Shanklin, and B. Richardson. 2009. The hidden truth about red imported fire ants. Ala. Coop. Ext. Sys. ANR-1185.
- Flanders, K., **Graham, F.**, Porter, S.D., Oi, D.H. 2008. Biological Control of Imported Fire Ants. Extension Service Bulletins. Ala. Coop. Ext. Sys. ANR-1149
- Graham, L. C. 'Fudd' and Krystal McDuff.** 2008. Commercial Pesticide Applicator Study Manual, Ornamental and Turf Pest Control. Ala. Coop. Ext. Sys. ANR-796.
- Graham, L. C. 'Fudd'.** 2008. Commercial Pesticide Applicator Study Manual, Demonstration and Research Pest Control. Ala. Coop. Ext. Sys. ANR-433.
- Graham, L. C. 'Fudd'.** 2008. Safety and General Pesticide Information, Alabama Pest Management Handbook,. Ala. Coop. Ext. Sys. ANR-500-A.
- Graham, L. C. 'Fudd'.** 2007. Private Pesticide Applicator Study Manual. Ala. Coop. Ext. Sys. ANR-1307.
- Graham, L. C. 'Fudd'.** 2007. Safety and General Pesticide Information, Alabama Pest Management Handbook,. Ala. Coop. Ext. Sys. ANR-500-A.
- Drees, Bastiaan 'Bart' M., Charles, L. Barr, S. Bradleigh Vinson, Roger E. Gold, Michael E. Merchant, Elizabeth 'Wizzie' Brown, Kim Engler, Molly Keck, Paul Nester, David Kostroun, Kathy Flanders, **Fudd Graham**, Dale Pollet, Patricia Beckley, Linda Hooper-Bui, Paul M. 'Mac' Horton, Tim Davis, Wayne Gardner, Kelly Lofton, Karen Vail, Russell Wright, Wayne Smith, David C. Thompson, John Kabashima, Blake Layton, Phil Koehler, David Oi, Anne-Marie Callcott. 2006. Managing Imported Fire Ants in Urban Areas: A Regional Publication. Ala. Coop. Ext. Sys. B-6043.
- Graham, L. C. 'Fudd'.** 2006. Safety and General Pesticide Information, Alabama Pest Management Handbook. Ala. Coop. Ext. Sys. ANR-500-A.
- Flanders, K., **F. Graham**, D. Shanklin, and B. Richardson. 2005. The hidden truth about red imported fire ants. Ala. Coop. Ext. Sys. ANR-1185.
- Flanders, K., **L. Graham**, S. Porter, and D. Oi. 2005. Biological Control of Imported Fire Ants. Alabama Cooperative Extension System Circular ANR-1149. <http://www.aces.edu/pubs/docs/A/ANR-1149/>.
- Graham, L. C. 'Fudd'.** 2005. Safety and General Pesticide Information, Alabama Pest Management Handbook. Ala. Coop. Ext. Sys. ANR-500-A.
- Graham, L. C. 'Fudd'.** 2005. Commercial Pesticide Applicator Study Manual, Ornamental and Turf Pest Control. Ala. Coop. Ext. Sys. ANR-796.
- Graham, L. C. 'Fudd'** and J. Everest. 2005. Commercial Pesticide Applicator Study Manual, Right-of-Way Pest Control. Ala. Coop. Ext. Sys. ANR-556.
- Graham, L. C. 'Fudd'.** 2004. Commercial Pesticide Applicator Study Manual, Demonstration and Research Pest Control. Ala. Coop. Ext. Sys. ANR-433.
- Graham, L. C. 'Fudd'** and J. Everest. 2004. Commercial Pesticide Applicator Study Manual, Right-of-Way Pest Control. Ala. Coop. Ext. Sys. ANR-556.
- Graham, L. C. 'Fudd'.** 2004. Commercial Pesticide Applicator Study Manual, Ornamental and Turf Pest Control. Ala. Coop. Ext. Sys. ANR-796.
- Graham, L. C. 'Fudd'** and J. Everest. 2004. Commercial Pesticide Applicator Study Manual, Right-of-Way Pest Control. Ala. Coop. Ext. Sys. ANR-556.

Flanders, K and **L. C. 'Fudd' Graham**. 2003. Getting the most out of your fire ant bait. Ala. Coop. Ext. Sys. ANR-1161.

Flanders, K., **F. Graham**, D. Shanklin, and B. Richardson. 2000. The hidden truth about red imported fire ants. Ala. Coop. Ext. Sys. ANR-1185.

Cherellia, B. O., W. Womack, P. White, S. Coffey, L. Hooks, **L. C. Graham**, J. McDonald. 1978. Volunteer Leadership - an alternative approach. Ala. Coop. Ext. Ser. Leaflet YM-23.

### Symposia and Conference Publications

**Graham, L. C. "Fudd"** and Jeremy Pickens. 2016. Status and Management of Tawny Crazy Ants (*Nylanderia fulva*) in Alabama. Proceedings of the National Conference on Urban Entomology and Invasive Ant Conference. Albuquerque, New Mexico. p. 27.

Edwards, Lucy, James D. Jones, **Fudd Graham** and Raefield Vester. 2016. Control of Imported Fire Ants in Alabama. Proceedings of the National Conference on Urban Entomology and Invasive Ant Conference. Albuquerque, New Mexico. p. 48.

Dorough, Henry, **Fudd Graham** and Landon Marks. 2016. Effect of Cattle Feed-through Horn Fly Control Mineral Containing (S)-methoprene on IFA in Pastures. Proceedings of the National Conference on Urban Entomology and Invasive Ant Conference. Albuquerque, New Mexico. p. 47.

Pickens, Jeremy M., and **L. C. 'Fudd' Graham**. 2016. Evaluation of Bifenthrin for Control of Tawny Crazy Ants (*Nylanderia fulva*) in Container Substrates. SNA Research Conference. Vol 61, pp. 60-62.

**Graham, L.C. "Fudd"**, S.D. Porter, J.A. Briano, V.E. Bertagnolli and K. Ridley. 2008. Phorid Flies in Alabama: *Pseudacteon litroalis* added to the list. Proceedings of the 2008 Imported Fire Ant Conference, Charleston, South Carolina, March 24-26, 2008.

**Graham, L. C.** and \*V. E. Bertagnolli. 2007. A New Addition to Our Arsenal of Ant WMDs. Proceedings of the 2007 Annual Red Imported Fire Ant Conference, Gainesville, Florida.

Bertagnolli, Vicky, **L.C. "Fudd" Graham**, Robert K. Vander Meer, Kenneth E. Ward and Rufina N. Ward. 2006. Distribution of Imported Fire Ant Populations in Alabama. 2006 ESA Annual Meeting, Indianapolis, Indiana (poster, Dec 10-13, 2006).

Bertagnolli, V. E. and **L. C. Graham**. 2005. Host location behavior of *Pseudacteon curvatus* in Alabama. pp. 103-109. In Proceedings of the 2005 Red Imported Fire Ant Conference, Gulfport, Mississippi.

**Graham, L. C.**, V. Bertagnolli, and M. Mobley. 2005. Phorids can be released in cold weather: A history of Alabama releases. pp. 101-102. In Proceedings of the 2005 Red Imported Fire Ant Conference, Gulfport, Mississippi.

Bertagnolli, V.E., **L.C. "Fudd" Graham**. 2004. Diurnal patterns of ovipositional activity in two *Pseudacteon* parasitoids (Diptera: Phoridae) in Alabama. pp. 66-69. In Proceedings of the 2004 Red Imported Fire Ant Conference, Baton Rouge, Louisiana.

**Graham, L.C. 'Fudd'**, V.E. Bertagnolli, and R.K. Vander Meer. 2004. Distribution of imported fire ant populations in Alabama. pp. 131-134. In Proceedings of the 2004 Red Imported Fire Ant Conference, Baton Rouge, Louisiana.

Ward, K. E., **Graham, L. C.**, Thead, L. G., Oliver, J. B., Vogt, J. T. 2004. Release of *Pseudacteon Curvatus* into Black and Hybrid Imported Fire Ant Populations in Northern Alabama, Southern Tennessee and Eastern Mississippi. Imported Fire Ants Conference Proceedings. pp. 158-160.

**Graham, L.C. 'Fudd'**, V. E. Bertagnolli, and A. T. Kelley. 2003. Evaluation of mechanical disturbance of

mounds during cold weather on red imported fire ants. pp. 133. In Proceedings of the 2003 Imported Fire Ant Conference, Palm Springs, California.

Bertagnolli, V. E., **L. C. "Fudd" Graham**, A. G. Appel. 2003. Seasonal effects of temperature on red imported fire ants (Hymenoptera: Formicidae). pp. 132. In Proceedings of the 2003 Imported Fire Ant Conference, Palm Springs, California.

**Graham, L. C.**, V. E. Bertagnolli, S. D. Porter, H. D. Dorough and A. T. Kelley. 2002. Establishment of the phorid fly, *Pseudacteon curvatus*, in Alabama for biological control of imported fire ants, pp. 104-105. In Proceedings of the 2002 Imported Fire Ant Conference, Athens, Georgia.

K. L. Flanders, **L. C. Graham**, K. E. Ward, R. N. Ward, and K. M. Creel. 2002. Teaching materials for imported fire ant training programs, p. 64. In Proceedings of the 2002 Imported Fire Ant Conference, Athens, Georgia.

**Graham, L. C.**, V. E. Bertagnolli, S. D. Porter, H. D. Dorough and A. T. Kelley. 2002. Establishment of the phorid fly, *Pseudacteon curvatus*, in Alabama for biological control of imported fire ants, pp. 104-105. In Proceedings of the 2002 Imported Fire Ant Conference, Athens, Georgia.

McLean, K. S., and **F. Graham**. 2002. The science of fire ants: a workshop for science teachers, pp. 106-107. In Proceedings of the 2002 Imported Fire Ant Conference, Athens, Georgia.

**Graham, L. C.**, S. D. Porter, K. L. Flanders, A. T. Kelley, H. D. Dorough and R. G. Hudson. 2001. Introduction of phorid flies for biological control of fire ants in Alabama, pp.151-152. In Proceedings of the 2001 Imported Fire Ant Research Conference, San Antonio, Texas.

**Graham, L. C.** and M. J. Gaylor. 1997. Effects of potassium fertility on beet armyworms, pp. 1320-1323. In Proc. Beltw. Cotton Prod. Res. Conf., Nashville. Nat. Cotton Coun. Amer., Memphis, TN.

Gaylor, M. J. and **L. C. Graham**. 1991. Beet armyworm populations in cotton treated with diflubenzuron and cyhalothrin for *Helicoverpa* control, pp. 775-776. In Proc. Beltw Cotton Prod. Res. Conf., San Antonio. Nat. Cotton Coun. Amer., Memphis, TN.

Fleischer, S. J., M. A. Foster, **L. C. Graham**, R. D. Cave and M. J. Gaylor. 1985. Alabama Cotton Insects Report. 38th Cotton Insect Res. and Control Conf. New Orleans, Louisiana. 71 pp.

Fleischer, S. J., **L. C. Graham**, R. D. Cave and M. J. Gaylor. 1984. Alabama Cotton Insects Report. 37th Cotton Insect Res. and Control Conf. Atlanta, Georgia. 103 pp.

Gaylor, M. J., S. J. Fleischer, **L. C. Graham**, R. D. Cave and J. V. Edelson. 1983. Alabama Cotton Insect Report. 36th Cotton Insect Res. and Control Conf. San. Antonio, Texas. 51 pp.

#### Experiment Station Articles

**Graham, F.** and V. E. Bertagnolli. 2002. Heads will roll! Highlights of Agricultural Research, Alabama Agricultural Experiment Station, Auburn University. Vol. 48, No. 3, Fall 2001.  
<http://www.aces.edu/dept/extcomm/newspaper/feb22a02.html>, 2/22/02.

**Graham, Fudd** and Michael J. Gaylor. 1996. Reduce risk of beet armyworms: fertilize according to soil test. Highlights of Agricultural Research, Alabama Agricultural Experiment Station, Auburn University. Vol. 43, No. 2, Summer 1996, pp. 9-10.

**Graham, Fudd**, Michael J. Gaylor and Scott D. Stewart. 1995. Insect predators help control beet armyworms in cotton. Highlights of Agricultural Research, Alabama Agricultural Experiment Station, Auburn University. Vol. 42, No. 2, Summer 1995, pp. 6-7.

## Non-refereed Publications

- Graham, L. C. 'Fudd'**. 2004. Fire ants have a new enemy. *Alabama Wildlife*, 68:20-21.
- Graham, L. C.** and M. J. Gaylor. 1990. Ovicidal and aphicidal activity of insecticide combinations, 1989. *Insecticide and Acaricide Tests*. 15:228-229.
- Graham, L. C.** and M. J. Gaylor. 1989. Boll weevil control, 1988. *Insecticide and Acaricide Tests*. 14:234.
- Graham, L. C.** and M. J. Gaylor. 1988. Chemical control of boll weevil and *Heliothis* spp. larvae in cotton, 1987. *Insecticide and Acaricide Tests*. 13:241.
- Graham, L. C.** and M. J. Gaylor. 1988. Biological and chemical control of *Heliothis* spp. in cotton, 1987. *Insecticide and Acaricide Tests*. 13:241-242.
- Graham, L. C.** and M. J. Gaylor. 1988. Effect of selected insecticides on tarnished plant bugs and predaceous insects in cotton, 1986. *Insecticide and Acaricide Tests*. 13:242.
- Graham, L. C.** and M. J. Gaylor. 1987. Chemical control of boll weevil and *Heliothis* spp. larvae in cotton, 1986. *Insecticide and Acaricide Tests*. 12:230-231.
- Graham, L. C.** and M. J. Gaylor. 1986. Chemical control of boll weevils, 1985. *Insecticide and Acaricide Tests*. 11:274.
- Graham, L. C.** and M. J. Gaylor. 1986. Chemical control of *Heliothis* spp. larvae in cotton, 1985. *Insecticide and Acaricide Tests*. 11:274-275.
- Graham, L. C.** and M. J. Gaylor. 1986. Chemical control of thrips, 1985. *Insecticide and Acaricide Tests*. 11:275-276.
- Graham, L. C.** and M. J. Gaylor. 1986. Effect of selected insecticides on tarnished plant bugs and predaceous insects in cotton, 1985. *Insecticide and Acaricide Tests*. 11:276.
- Graham, L. C.**, M. J. Gaylor, S. J. Fleischer and S. P. Nightengale. 1985. Chemical control of boll weevils in Alabama, 1984. *Insecticide and Acaricide Tests*. 10:227.
- Graham, L. C.**, M. J. Gaylor, S. J. Fleischer, and S.P. Nightengale. 1985. Evaluation of Fundal yield enhancement, 1984. *Insecticide and Acaricide Tests*. 10:227-228.
- Graham, L. C.**, M. J. Gaylor, S. J. Fleischer, and S.P. Nightengale. 1985. Insecticide combinations for *Heliothis* spp. control, 1984. *Insecticide and Acaricide Tests*. 10:228-229.
- Graham, L. C.**, M. J. Gaylor, S. J. Fleischer and L. Walker. 1984. Chemical control of boll weevils in Alabama, 1983. *Insecticide and Acaricide Tests*. 9:263.
- Graham, L. C.**, M. J. Gaylor, S. J. Fleischer and L. Walker. 1984. Insecticide combinations for *Heliothis* spp. control, 1983. *Insecticide and Acaricide Tests*. 9:264-265.
- Graham, L. C.**, M. J. Gaylor, J. V. Edelson and L. Walker. 1983. Chemical control of cotton bollworm and tobacco budworm in Alabama, 1982. *Insecticide and Acaricide Tests*. 8:191-192.
- Graham, L. C.**, M. J. Gaylor, J. V. Edelson and L. Walker. 1983. Chemical control of boll weevil in Alabama, 1982. *Insecticide and Acaricide Tests*. 8:192.
- Graham, L. C.**, M. J. Gaylor, J. V. Edelson and L. Walker. 1983. Control of thrips with granular insecticides and seed treatment, 1982. *Insecticide and Acaricide Tests*. 8:193.

## Presentations

## Invited Presentations

2017 One presentation  
2016 Seven Presentations  
2015 Eight Presentations  
2014 Five Presentations  
2013 Four Presentations  
2012 Four Presentations  
2011 Four Presentations

**Graham, F.** Fire Ant Control in Landscapes, Heading in the Right Direction. Alabama Parks and Recreation Association, Jan. 29, 2009, Birmingham, AL.

**Graham, F.** 2007. Fire ant management: stop chasing them around. 2007 Alabama Recreation and Parks Association Conference, Huntsville, Alabama.

**Graham, F.** 2006. Fire ant management. Annual Meeting of the Tennessee Vegetation Management Association, Burns, Tennessee.

**Graham, F.** 2006. Send those fire ants on a picnic: Understanding fire ant biology – the key to management. Alabama Vegetation Management Association, Tuscaloosa, AL.

**Graham, L.C.** “Fudd”. 2004 Fire Ant Management. Alabama Association of Country Agricultural Agents Meeting, Huntsville, Alabama.

**Graham, F.** 2003. Phorid flies in Alabama: A tale of two species. F. S. Arant Entomology Club, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL.

**Graham, F.** 2002. Mr. Fire Ant goes to Washington. F. S. Arant Entomology Club, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL.

**Graham, F.** 2002. From six legs to four and back: an overview of research and experiences. Department of Entomology and Plant Pathology, Jackson, Tennessee.

**Graham, F.** 2002. From six legs to four and back: an overview of research and experiences. West Tennessee Experiment Station, Jackson, Tennessee.

**Graham, F.** 2001. The Alabama Fire Ant Management Project. Conservation Practices and Research Committee Summer Meeting, Natural Resources Conservation Service, Auburn, Alabama.

**Graham, F.** 2001. School IPM. Alabama Pest Control Association Winter Meeting, Alabama Pest Control Association, Auburn, Alabama.

**Graham, F.** 2001. Fire ants: their biology and control. 12th Annual Alabama Vector Management Society Meeting. Alabama Vector Management Society. Gulf Shores, Alabama.

**Graham, F.** 2000. Fire ants - biology and management. 39th Annual Turfgrass Conference and Trade Show, Alabama Turfgrass Association, Birmingham, Alabama.

**Graham, F.** 2000. Fire ant management in turf. Small Cemetery and Funeral Management Conference, New Orleans, Louisiana.

**Graham, F.** 2000. Fire ant biology and management. National Association of County Agricultural Agents, Jackson Mississippi.

**Graham, F.** and M. J. Gaylor. 2000. Potassium, dry weather, Bt cotton and selected insecticides: effects on beet armyworms. Department of Entomology & Plant Pathology, Auburn University, Auburn, Alabama.

- Stewart, S. D., **L. C. Graham**, M. J. Gaylor, and L.A. Vanderberg. 2000. Evaluation of mortality factors affecting beet armyworms in cotton. Beet Armyworm Symposium, 74th annual meeting of the Southeastern Branch of the Entomological Society of America, Mobile, Alabama.
- Graham, F.** 1999. From six legs to four and back: an overview of research and experiences. Central Mississippi Research and Experiment Station, Raymond, Mississippi.
- Graham, F.** and M. J. Gaylor. 1999. Beet armyworms and potassium: the dry weather connection in cotton. Department of Entomology and Plant Pathology, Mississippi State University, Starkville, Mississippi.
- Graham, F.** and M. J. Gaylor. 1995. The effects of soil potassium levels on beet armyworms in cotton. Department of Entomology, Auburn University, Auburn, Alabama.
- Gaylor, M. J., S. D. Stewart, and **L. C. Graham**. 1995. The impact of natural enemies on beet armyworm survival in cotton. Department of Entomology, Mississippi State University, Starkville, Mississippi.
- Gaylor, M. J., S. D. Stewart, and **L. C. Graham**. 1995. Natural control of the beet armyworm in cotton. DowElanco, Indianapolis, Indiana.
- Stewart, S. D., M. J. Gaylor and **L. C. Graham**. 1994. Managing some mobile insects. Tropical Research and Education Center, University of Florida, Homestead, Florida.
- Stewart, S. D., M. J. Gaylor, and **L. C. Graham**. 1994. An overview of research projects and other experiences. Louisiana Coop. Ext. Service, Baton Rouge, Louisiana.
- Gaylor, M. J., S. D. Stewart, **L. C. Graham**, and L. A. Vanderberg. 1993. Response of beet armyworms and their natural enemies to different insecticide treatments in cotton. University of Arizona, Yuma Agricultural Center, Yuma, Arizona.

#### Scientific Presentations

- Pickens, Jeremy M., **L. C. 'Fudd' Graham** and Kelly Palmer. 2017. Evaluation of Bifenthrin for Control of Tawny Crazy Ants (*Nylanderia fulva*) in Container Substrates. 2017 Imported Fire Ant and Other Invasive Ant Conference. Mobile, AL.
- Pickens, Jeremy M., **L. C. 'Fudd' Graham** and Kelly Palmer. 2017. Evaluation of Bifenthrin for Control of Tawny Crazy Ants (*Nylanderia fulva*) in Container Substrates. Alabama Association of County Agricultural Agents and Specialists. Winner, went to National Association of County Agricultural Agents meeting in Salt Lake City Utah.
- Graham, L. C. "Fudd"** and Jeremy Pickens. 2016. Status and Management of Tawny Crazy Ants (*Nylanderia fulva*) in Alabama. National Conference on Urban Entomology and Invasive Ant Conference. Albuquerque, New Mexico.
- Edwards, Lucy, James D. Jones, **Fudd Graham** and Raefield Vester. 2016. Control of Imported Fire Ants in Alabama. National Conference on Urban Entomology and Invasive Ant Conference. Albuquerque, New Mexico.
- Dorough, Henry, **Fudd Graham** and Landon Marks. 2016. Effect of Cattle Feed-through Horn Fly Control Mineral Containing (S)-methoprene on IFA in Pastures. National Conference on Urban Entomology and Invasive Ant Conference. Albuquerque, New Mexico
- Graham, L. C. "Fudd"**, Janet Hurley and Kathy Flanders. 2015. Wildlife Damage Management in the Digital Age: Collaborating With Others. 7th International IPM Symposium, Memphis, TN.
- Graham, L.C. "Fudd"** and K. Ridley. 2009. Phorid Flies in Alabama. 2009 Imported Fire Ant Conference, Oklahoma City, Oklahoma, April 2009 (poster).

- Graham, L.C. “Fudd”**, S.D. Porter, J.A. Briano, V.E. Bertagnolli and K. Ridley. 2008. Phorid Flies in Alabama: *Pseudacteon litoralis* added to the list. 2008 Imported Fire Ant Conference, Charleston, South Carolina, March 24-26, 2008.
- Graham, L.C. “Fudd”**, S.D. Porter, J.A. Briano, V.E. Bertagnolli and K. Ridley. 2008. Release and Establishment of the Decapitating Fly, *Pseudacteon litoralis*, on *Solenopsis* spp. Annual Meeting of the Southeastern Branch of the Entomological Society of America, Jacksonville, Florida, March 2-5, 2008.
- Graham, L.C.**, J. Hurley, F. Oi, J. VanKirk, \*V. Bertagnolli-Heller. 2007. Southern Regions School IPM Working Group. Poster presented at 2007 North American Pesticide Applicator Certification and Safety Education Workshop.
- Graham, L. C.** and V. Bertagnolli. 2007. Field evaluation of metaflumizone for control of fire ants. Annual Meeting of the Southeastern Branch Entomological Society of America, Knoxville, Tennessee, (March 4-7, 2007).
- Bertagnolli, Vicky, L.C. **“Fudd” Graham**, Robert K. Vander Meer, Kenneth E. Ward and Rufina N. Ward. 2007. OUCH! Who bit me? – IFA in Alabama. 2007 Imported Fire Ant Conference, Gainesville, FL (poster, Apr 23-25, 2007).
- Graham, Fudd**, Fire Ant Biological Control, Fire Ant Management Information Training, Mobile, May 30, 2007.
- Graham, L. C.**, V. E. Bertagnolli. 2007. A New Addition to Our Arsenal of Ant WMDs. Poster presented at the 2007 Annual Imported Fire Ant Conference, Gainesville, Florida.
- Graham, Fudd**. 2006. Fire ant management. Annual Meeting of the Tennessee Vegetation Management Association, Burns, Tennessee. (November 8-9, 2006).
- Bertagnolli, V., **L. C. “Fudd” Graham**, Kenneth E. Ward, and Rufina N. Ward. 2006. Distribution of Imported Fire Ant Populations in Alabama. 2006 ESA Annual Meeting, Indianapolis, Indiana, (poster, Dec 10-13, 2006).
- Graham, L. C. “Fudd”**, \*Vicky Bertagnolli, Kenneth E. Ward, and Rufina N. Ward. 2006. Range expansion of *Pseudacteon* spp. (Diptera: Phoridae) in Alabama. 2006 ESA Annual Meeting, Indianapolis, Indiana, (poster, Dec 10-13, 2006).
- Bertagnolli, V. E. and **L. C. Graham**. 2006. Host Location of *Pseudacteon curvatus* (Diptera: Phoridae) in mono- and polygyne fire ant colonies (Hymenoptera: Formicidae). Poster presented at the 2006 Annual Red Imported Fire Ant Conference, Mobile, Alabama.
- Graham, L. C.** and V. E. Bertagnolli. 2006. *Pseudacteon* spp. (Diptera: Phoridae) Range Expansion in Alabama. Poster presented at the 2006 Annual Red Imported Fire Ant Conference, Mobile, Alabama.
- Bertagnolli, V. E. and **L. C. Graham**. 2006. Host location of *Pseudacteon curvatus* in Alabama. \*Poster presented at the 80th Annual Meeting of the Southeastern Branch of the Entomological Society of America, Wilmington, North Carolina.
- Graham, L. C.** and V. E. Bertagnolli. 2006. *Pseudacteon* spp. (Diptera: Phoridae) RANGE EXPANSION in Alabama. Poster presented at the 80<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Wilmington, North Carolina.
- m. 2005. Host location behavior of *Pseudacteon curvatus* (Diptera: Phoridae) in Alabama. \*Poster presented at the 53<sup>rd</sup> Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida.
- Bertagnolli, V. E. and **L. C. Graham**. 2005. Host location behavior of *Pseudacteon curvatus* in Alabama. Paper presented at the Red Imported Fire Ant Conference, Gulfport, Mississippi.



- Graham, L. C.**, V. Bertagnolli, and M. Mobley. 2005. Phorids can be released in cold weather: A history of Alabama releases. Paper presented at the Red Imported Fire Ant Conference, Gulfport, Mississippi.
- Bertagnolli, V. E. and **L. C. "Fudd" Graham**. 2005. Host location behavior in *Pseudacteon curvatus*, a parasitoid of imported fire ants. \*Paper presented at the 79<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Tunica, Mississippi.
- Graham, L. C. "Fudd"**, R. K. Vander Meer, K. Ward, R. Ward, and V. E. Bertagnolli. 2005. Distribution of imported fire ant populations in Alabama. Poster presented at the 79<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Tunica, Mississippi.
- Graham, L. C. "Fudd"** and V. E. Bertagnolli. 2005. Range expansion of two species of *Pseudacteon* (Diptera: Phoridae) in Alabama. Poster presented at the 79<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Tunica, Mississippi.
- Bertagnolli, V. E. and L. C. **"Fudd" Graham**. 2004. Diurnal patterns of ovipositional activity in two *Pseudacteon* Parasitoids. \*Paper presented at the 52<sup>nd</sup> Annual Meeting of the Entomological Society of America, Salt Lake City, Utah.
- Graham, L. C. "Fudd"**, R. K. Vander Meer, and V. E. Bertagnolli. 2004. Range expansion of two phorid flies (Diptera: Phoridae) in imported fire ant populations (Hymenoptera: Formicidae) in Alabama. Poster presented at the 52<sup>nd</sup> Annual Meeting of the Entomological Society of America, Salt Lake City, Utah.
- Graham, L. C.** and V. E. Bertagnolli. 2004. Establishment and dispersal of phorid flies, *Pseudacteon* spp. (Diptera: Phoridae) in Alabama for control of imported fire ants, *Solenopsis* spp. (Hymenoptera: Formicidae). Poster presented at the International Congress of Entomology, Brisbane, Queensland, Australia.
- Bertagnolli, V. E. and **L. C. "Fudd" Graham**. 2004. Diurnal patterns of ovipositional activity in two *Pseudacteon* parasitoids (Diptera: Phoridae) in Alabama. Paper presented at the Red Imported Fire Ant Conference, Baton Rouge, Louisiana.
- Bertagnolli, V. E. and **L. C. "Fudd" Graham**. 2004. Diurnal patterns of ovipositional activity in two *Pseudacteon* parasitoids (Diptera: Phoridae) in Alabama. Paper presented at the Imported Fire Ant Conference, Baton Rouge, Louisiana.
- Graham, L. C.**, V. E. Bertagnolli, and R. K. Vander Meer. 2004. Distributions of imported fire ant populations in Alabama. Poster presented at the 78<sup>th</sup> annual meeting of the Southeastern Branch of the Entomological Society of America, Charleston, South Carolina.
- Bertagnolli, V. E. and **L. C. "Fudd" Graham**. 2004. Diurnal patterns of ovipositional activity in two *Pseudacteon* parasitoids (Diptera: Phoridae) in Alabama. Poster presented at the 78<sup>th</sup> annual meeting of the Southeastern Branch of the Entomological Society of America, Charleston, South Carolina.
- Graham, L. C.** and Vicky E. Bertagnolli. 2003. Diurnal patterns of ovipositional activity in two *Pseudacteon* parasitoids (Diptera: Phoridae) in Alabama. Poster presented at the Annual Meeting of the Entomological Society of America, Cincinnati, Ohio.
- Graham, L. C.**, S. D. Porter, and V. E. Bertagnolli. 2002. Phorid flies in Alabama: Have fire ant populations been affected? Poster presented at the Annual Meeting of the Entomological Society of America, Ft. Lauderdale, Florida.
- Porter S. D., S. J. Johnson, **L. C. Graham**, P. M. Horton and T. Lockley. 2002. Release and establishment of the fire ant decapitating fly, *Pseudacteon tricuspis*, in the southeastern United States. Poster presented at the Annual Meeting of the Entomological Society of America, Ft. Lauderdale, Florida.
- Bertagnolli, V. E., **L.C. Graham** and A. G. Appel. 2002. Seasonal effects of temperature on red imported fire ants. Paper presented at the Annual Meeting of the Entomological Society of America, Ft. Lauderdale, Florida.

- McLean, K. S., and **F. Graham**. 2002. The science of fire ants: a workshop for science teachers. Poster presented at the Imported Fire Ant Conference, Athens, Georgia.
- Flanders, K. L., **L. C. Graham**, K. E. Ward, R. N. Ward, and K. M. Creel. 2002. Teaching materials for imported fire ant training programs. Poster presented at the Imported Fire Ant Conference, Athens, Georgia.
- Graham, L. C.**, V. E. Bertagnolli, S. D. Porter, H. D. Dorough and A. T. Kelley. 2002. Establishment of the phorid fly, *Pseudacteon curvatus*, in Alabama for biological control of imported fire ants. Poster presented at the Imported Fire Ant Conference, Athens, Georgia.
- McLean, K. S., and **F. Graham**. 2002. The science of fire ants: a workshop for science teachers. Poster presented at the 76th annual meeting of the Southeastern Branch of the Entomological Society of America, Little Rock, Arkansas.
- Graham, L. C.**, V. E. Bertagnolli, S. D. Porter, H. D. Dorough and A. T. Kelley. 2002. Establishment of the phorid fly, *Pseudacteon curvatus*, in Alabama for biological control of imported fire ants. Poster presented at the 76th annual meeting of the Southeastern Branch of the Entomological Society of America, Little Rock, Arkansas.
- Bertagnolli, V. E., **L. C. Graham**, A. T. Kelley, and R. Lumpkin. 2002. An IPM pilot project in the Auburn City School System: A model for the state of Alabama. Poster presented at the 76th annual meeting of the Southeastern Branch of the Entomological Society of America, Little Rock, Arkansas.
- Graham, L. C.**, V. E. Bertagnolli, S. D. Porter, H. D. Dorough and A. T. Kelley. 2001. Establishment of the phorid fly, *Pseudacteon curvatus*, in Alabama for biological control of imported fire ants. Poster presented at the Annual Meeting of the Entomological Society of America, San Diego, California.
- Bertagnolli, V. E., **L. C. Graham**, A. T. Kelley, and R. Lumpkin. 2001. An IPM pilot project in the Auburn City School System: A model for the state of Alabama. Poster presented at the Annual Meeting of the Entomological Society of America, San Diego, California.
- Flanders, K. L., **L. C. Graham**, K. E. Ward, R. N. Ward, and K. M. Creel. 2001. We can do something about fire ants: Training professional and developing teaching materials in sustainable fire ant management. Poster presented at the Annual Meeting of the Entomological Society of America, San Diego, California.
- Graham, L. C.**, A. T. Kelley, S. D. Porter and K. L. Flanders. 2001. Introduction of phorid flies for biological control of fire ants in Alabama. Poster presented at the 75th annual meeting of the Southeastern Branch of the Entomological Society of America, Augusta, Georgia.
- Graham, L. C.**, S. D. Porter, K. L. Flanders, A. T. Kelley, H. D. Dorough and R. G. Hudson. 2001. Introduction of phorid flies for biological control of fire ants in Alabama. Poster presented at the Imported Fire Ant Conference, San Antonio, Texas.
- Graham, F.** and M. J. Gaylor. 2000. Soil potassium, *Bt* cotton, drought-stress, and insecticides: effects on beet armyworms. Poster presented at the 74th annual meeting of the Southeastern Branch of the Entomological Society of America, Mobile, Alabama.
- Flanders, K., A. Appel, G. Mullen, N. Liu, and **L. Graham**. 1999. The Alabama fire ant management project. Poster presented at the Imported Fire Ant Conference, Charleston, South Carolina.
- Graham, L. C.** and M. J. Gaylor. 1997. Effects of potassium fertility on beet armyworms. Paper presented at the annual meeting of the Beltwide Cotton Research Conferences, New Orleans, Louisiana.
- Graham, L. C.** and M. J. Gaylor. 1996. Beet armyworm development and oviposition preference on cotton

grown in soils with different potassium levels. Poster presented at the Annual Meeting of the Entomological Society of America, Louisville, Kentucky.

- Graham, L. C.** and M. J. Gaylor. 1996. Effects of soil potassium levels on beet armyworms in cotton. Poster presented at the 70th meeting of the Southeastern Branch of the Entomological Society of America, Biloxi, Mississippi. Received award for outstanding poster presentation.
- Graham, L. C.** and M. J. Gaylor. 1991. Life tables for beet armyworm attacking cotton. Poster presented at the 65th meeting of the Southeastern Branch of the Entomological Society of America, Orange Beach, Alabama.
- Gaylor, M. J. and **L. C. Graham**. 1991. Beet armyworm populations in cotton treated with diflubenzuron and cyhalothrin for *Helicoverpa* control. Paper presented at the annual meeting of the Beltwide Cotton Research Conferences, San Antonio, Texas.
- Graham, L. C.** and M. J. Gaylor. 1990. Incidence of pathogenic fungi in *Lygus lineolaris* (Palisot de Beauvois). Paper presented at the 64th annual meeting of the Southeastern Branch of the Entomological Society of America, Orlando, Florida.
- Graham, L. C.** and M. J. Gaylor. 1987. Interactions between threshold levels of weeds and effects on insect populations and damage in cotton. Paper presented at the 61st annual meeting of the Southeastern Branch of the Entomological Society of America, Jackson, Mississippi.
- Fleischer, S. J., M. J. Gaylor, **L. C. Graham**, and N.V. Hue. 1984. Uptake and elimination rates of rubidium, a potential physiological marker for tracing movement, in *Lygus lineolaris* adults. Paper presented at the 58th meeting of the Southeastern Branch of the Entomological Society of America, New Orleans, Louisiana.

#### **Extension & Outreach Presentations**

- Graham, Fudd.** Fire Ant Management Using Baits. EPA Webinar, 2016
- Graham, Fudd.** Tawny Crazy Ants: There's a Reason We Call Them Crazy! Southern IPM Center Invasive Species Webinar. February 2015
- Graham, Fudd.** Fire Ant Management in Horse Pastures, Auburn, Alabama, January 2010.
- Graham, Fudd.** Presentations to Producers and Homeowners on Fire Ant Management, Chilton County Farm, Home and Wildlife Expo, Clanton, Alabama, August 2009.
- Graham, L. C.** "Fudd" and Kelly Ridley. 2009. Fun Facts about Fire Ants, Cleburne County Farm Day, May 2009.
- Graham, Fudd.** Fire Ant Management in Horse Pastures, Auburn, Alabama, January 2009.
- Graham, Fudd.** Imported Fire Ant Management, Annual Alabama Turf grass Association Conference and Tradeshow, Auburn, Alabama, October 2008.
- Graham, Fudd,** K. Ridley, R. Dykes and J. Jones. Fire Ant Biology, Phorid Biology, Master Gardener Volunteers for National Peanut Festival, Dothan, Alabama, October 2008.
- Graham, Fudd,** K. Ridley and S. Harris. Fire Ant Biology, Phorid Biology, Master Gardener Volunteers for Alabama National Fair, Montgomery, Alabama, September 2008.
- Graham, Fudd** and Kelly Ridley. Fire Ant Management in Pastures: Heading in the Right Direction, Cattleman's Field Day, Pine View Farms, Elba, Alabama, August 2008.
- Graham, Fudd.** Presentations to Producers and Homeowners on Fire Ant Management, Chilton County Farm, Home and Wildlife Expo, Clanton, Alabama, August 2008.

- Graham, Fudd** and Kelly Ridley. Fire Ant Display, Oxbow Meadows Insectival, Columbus, Georgia, July 2008.
- Graham, L. C. "Fudd"** and Kelly Ridley. 2008. Fun Facts about Fire Ants, Cleburne County Farm Day, May 2008.
- Graham, Fudd.** Biological Control of Fire Ants, East Alabama Fire Ant Field Day, Camp Hill, Alabama, April 2008.
- Graham, Fudd.** Fire Ant Management in Pastures: Heading in the Right Direction, North Alabama Cattleman's Association, Hartsell, Alabama, April 2008.
- Graham, Fudd.** Fire Ant Management, Ft. Rucker Army Base, Enterprise, Alabama, April 2008.
- Graham, Fudd.** Fire Ant Management in Horse Pastures, Auburn, Alabama, January 2008.
- Graham, Fudd.** 2008. Fire Ant Management. Pesticide Dealer Meeting, Cullman, Alabama, January 2008.
- Graham, Fudd.** 2008. Fire Ant Management. Pesticide Dealer Meeting, Montgomery, Alabama, January 2008.
- Graham, Fudd.** 2008. Fire Ant Management. Pesticide Dealer Meeting, Headland, Alabama, January 2008.
- Graham, Fudd.** Fire Ant Biological Control, Fire Ant Management Information Training, Mobile, Alabama, May 30, 2007.
- Graham, Fudd.** 2007. Fire Ant Management. Pesticide Dealer Meeting, Cullman, Alabama (1/9/07).
- Graham, Fudd.** 2007. Fire Ant Management. Pesticide Dealer Meeting, Montgomery, Alabama. (1/10/07).
- Graham, Fudd.** 2007. Fire Ant Management. Pesticide Dealer Meeting, Headland, Alabama. (1/11/07).
- Graham, L. C. "Fudd".** 2007. Fire Ant Bait Application, Home Horticulture Field Day, April 14, 2007.
- Graham, L. C. "Fudd".** 2007. Fire Ants, Cleburne County Farm Day.
- Graham, L. C. "Fudd".** 2007 Fire Ant Biological Control. Fire Ant Management Information Training, Mobile, Alabama, May 30, 2007.
- Graham, L. C. "Fudd".** 2007. Fire Ants & Phorids, Lecture for Entomology for Educators Lab, Summer Semester 2007.
- Graham, L. C. "Fudd".** Posters: the good, the bad and the ugly. AACAAAS 2007 Professional Development Sessions, Guntersville, Alabama, June 13, 2007.
- Graham, Fudd** and Vicky Bertagnolli. 2007. Fire Ant Management (4 presentations). 2007 Farm, Home, and Wildlife Expo, Chilton Research and Extension Center, Clanton, Alabama, 11 August 2007.
- Graham, Fudd.** 2007. Fire Ant Control Options in Municipal Landscapes: Heading in the Right Direction. Birmingham City Worker Training, Birmingham Botanical Gardens (11/13/07).
- Graham, L. C. 'Fudd'.** Equipment & Equipment Calibration. Alabama Vegetation Management Association. 28 February, 2006.
- Graham, L. C. 'Fudd'.** Send those fire ants on a picnic. Alabama Pest Control Association Winter Meeting, Auburn, AL. 2, February, 2006.
- Graham, L. C. 'Fudd'.** Worker Safety and PPE. Alabama Vegetation Management Association. 28 February, 2006.

- Graham, L. C. "Fudd".** 2006. Fire Ant Management, Lecture for Economic Entomology Lab.
- Graham, Fudd.** 2006. Send Those Fire Ants on a Picnic. Public Employees Safety Council of Alabama Annual Meeting, Gardendale, Alabama. (Nov. 2, 2006).
- Graham, L.C. "Fudd".** Restricted Use Pesticide Dealer meeting, Headland, Alabama, 12 January 2006.
- Graham, L.C. "Fudd".** Restricted Use Pesticide Dealer meeting, Montgomery, Alabama, 11 January 2006.
- Graham, L.C. "Fudd".** Restricted Use Pesticide Dealer meeting, Cullman, Alabama, 10 January 2006.
- Graham, Fudd.** IPM in School. Elmore County Schools, Wetumpka City, AL 5 August, 2005. (2 presentations).
- Graham, Fudd** and Vicky Bertagnolli. Fire ant management. 2005 Farm, Home & Wildlife Expo, Clanton, AL, 6 August, 2005.
- Graham, Fudd.** IPM in School. Alexander City Schools, Alexander City, AL 28 July, 2005.
- Graham, Fudd.** Biological control of fire ants. Comprehensive Fire Ant Management Workshop. Anniston, Alabama, 19 May, 2005
- Graham, Fudd.** Send those fire ants on a picnic. Sports Turf Shortcourse. Huntsville, Alabama, 10 May, 2005.
- Graham, L. C. 'Fudd'.** Integrated pest management in schools. Alabama School Plant Management Association. Orange Beach, AL. 2 May, 2005.
- Graham, Fudd.** Send those fire ants on a picnic. Sports Turf Shortcourse. Birmingham, Alabama, 12 April, 2005.
- Graham, Fudd.** Integrated pest management for fire ants. Greater Birmingham Assoc. of Landscape Professionals Winter Educational Seminar and Tradeshow. Birmingham, Alabama, 25 February, 2005.
- Graham, L. C. 'Fudd'.** Equipment & Equipment Calibration. Alabama Vegetation Management Association. 22 February, 2005.
- Graham, L. C. 'Fudd'.** Worker Safety and PPE. Alabama Vegetation Management Association. 22 February, 2005.
- Graham, Fudd.** Pesticide Safety. Pesticide Education & Farm Safety Meeting. Greensboro, AL. 10 February, 2005.
- Graham, L. C. 'Fudd'.** IPM in schools. Alabama Pest Control Association Winter Meeting, Auburn, AL. 3, February, 2005.
- Graham, L.C. "Fudd".** Biological control of fire ants. Alabama Horse Council Horse Fair, Montgomery, Alabama, 25 January 2005.
- Graham, L.C. "Fudd".** Restricted Use Pesticide Dealer meeting, Headland, Alabama, 13 January 2005.
- Graham, L.C. "Fudd".** Restricted Use Pesticide Dealer meeting, Montgomery, Alabama, 12 January 2005.
- Graham, L.C. "Fudd".** Restricted Use Pesticide Dealer meeting, Cullman, Alabama, 11 January 2005.
- Graham, L.C. "Fudd".** 2004. Two training visits to Tuscaloosa Co. Phorid Release, Tuscaloosa, AL.
- Graham, L.C. "Fudd".** Laboratory presentation for Industrial Design class, Auburn University, Auburn, Alabama, February 2004.

- Graham, L.C. "Fudd"**. Fire ant management in horse pastures. Alabama Horse Council Horse Fair, Montgomery, Alabama, 24 January 2004.
- Graham, L.C. "Fudd"**. Presentation on School IPM for Auburn High School Science Club, 20 November 2003.
- Graham, L.C. "Fudd"**. IPM in schools. Laboratory lecture for ENTM 4020-Economic Entomology, Auburn University, Auburn, Alabama, 19 November 2003.
- Graham, L.C., K. McLean, and V. Bertagnolli**. The Science of Fire Ants, laboratory course Entomology for Educators class; how to use imported fire ants for science projects, Auburn University, Auburn, Alabama, 11-12 June 2002.
- Graham, F.** and V. Bertagnolli, 2002, Fire ants and WOW bugs (2), Dean Road Elementary School, Auburn, AL. (June, 2002)
- Graham, F.** 2002. Fire Ant Control in Horse Pastures. Alabama Horse Fair, Montgomery AL, (1/26/02, 1/27/02).
- Graham, F.** 2001. Fire Ant Management. 13<sup>th</sup> Annual Natural Resource Tour and Fish Fry, Montgomery County Natural Resources Planning Committee, Snowdown, Alabama. (10/22/01).
- Graham, F.** 2001. Fire ant safety (9). Progressive Farmer Farm Safety Day Camp. Lineville, Alabama (9/29/01).
- Graham, F.** 2001. Review of educational materials developed as part of the SARE project. In-service training workshop session. Auburn, Alabama. (7/31/01).
- Graham, F.** 2001. New and existing fire ant controls. Turf Unit Field Day, Auburn University. Auburn, Alabama. (7/25/01).
- Graham, F.** 2001. Tour of Alabama Fire Ant Management Project facilities. Conservation Practices and Research Committee Summer Meeting, Natural Resources Conservation Service, Auburn, Alabama. (7/17/01).
- Graham, F.** 2001. Review of educational materials developed as part of the SARE project. In-service training workshop session. Auburn, Alabama. (6/27/01).
- Graham, F.** and K. Flanders. 2001. The Alabama Fire Ant Management Project. In-service training workshop session. Auburn, Alabama. (6/27/01).
- Graham, F., V. Bertagnolli, C. Stanton and R. Ward.** 2001. How can you tell a fire ant from another ant? In-service training workshop session. Auburn, Alabama. (6/27/01).
- McLean, K. and **F. Graham.** 2001. Fire ant experiments/demonstrations for youth. In-service training workshop session. Auburn, Alabama. (6/26/01).
- Graham, F.** 2001. Fire ants: biology and management. Marshall Co., Guntersville, Alabama. (6/21/01).
- Graham, F.** 2001. Imported fire ants: biology and management. Morgan Co., Decatur, Alabama. (4/10/01).
- Graham, F.** 2001. Fire ants: biology and control. Limestone Co., Athens, Alabama. (2/17/01).
- Graham, F.** 2000. Fire ant biology and management. Auburn Rhododendron Club. Auburn, Alabama. (11/6/00).
- Graham, F.** 2000. Fire Ant Management. Turf Unit Field Day, Auburn University. Auburn, Alabama. (7/21/00).

- Graham, F.** and R. Anderson. 2000. Careers in entomology- what does an entomologist do? Montgomery Zoo Day Camp. Montgomery, Alabama. (6/13/00).
- Graham, F.** 2000. Biological control of fire ants in Alabama. Auburn 2000 Media Day. Auburn, Alabama. (6/16/00).
- Graham, F.** 2000. Overview of the Alabama fire ant management project. In-service training presentation. Scottsboro, Alabama. (4/5/00).
- Graham, F.** 2000. Dealing with fire ants inside houses. In-service training presentation. Scottsboro, Alabama. (4/5/00).
- Graham, F.** 2000. How to make a fire ant mound cast. In-service training workshop session (4). Scottsboro, Alabama. (4/5/00).
- Flanders, K., **F. Graham**, K. Creel, K. Ward and R. Ward. 2000. Information about SARE trainer grant “We can do something about fire ants”. In-service training workshop session (4). Scottsboro, Alabama. (4/5/00)
- Graham, F.** 2000. Fire ant management around home greenhouses. East Ala. Orchid Society. Auburn, Alabama. (2/4/00).
- Graham, F.** 2000. The Alabama fire ant management project. Comer Hall Display. Auburn University, Auburn, Alabama.
- Flanders, K., A. Appel, G. Mullen, N. Liu, and **L. Graham**. 1999. The Alabama fire ant management project (poster). Alfa Commodity Group Meeting.
- Flanders, K., A. Appel, G. Mullen, N. Liu, and **L. Graham**. 1999. The Alabama fire ant management project (poster). Alfa Legislative Meeting.
- Gaylor M. J. and **F. Graham**. 1989. Presentation at Substation Field Day on cotton IPM experiments - Wiregrass Substation, Headland, Alabama.
- Graham, F.** 1989. Presentation at Substation Field Day on cotton IPM experiments - Tennessee Valley Substation, Belle Mina, Alabama.
- Gaylor M. J., K. Causey and **F. Graham**. 1989. College of Agriculture display at Southeast Agricultural Exposition; Deer damage in cotton Moultrie, Georgia.
1986. Presentation at Substation Field Day on cotton IPM experiments - Plant Breeding Unit, Tallassee, Alabama.
- Presentations to local school groups (14), 1999
- Presentations to local school groups (2), 1996-97
- Presentation to local school group, 1995
- Presentation to local school group, 1990

## **Outreach Activities**

- Prepared and educational booth on The Alabama Fire Ant Management Program at the Alabama Peanut Festival, Dothan, AL, November 2008 & November 2009.
- Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the AgRoundup, Auburn, AL, November 2008 & November 2009.
- Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Alabama National Fair, Montgomery, AL, October 2008 & October 2009.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Chilton Regional Extension Center, Farm, Home, and Wildlife Expo, Clanton, AL, August 2008 & August 2009.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Insectival, Oxbow Meadows Environmental Learning Center, Columbus, GA, July 2008.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Alabama National Fair, Montgomery, AL, October 2006 & October 2007.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the AgRoundup, Auburn, AL, October 2006 & November 2007.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Alabama Peanut Festival, Dothan, AL, November 2006 & November 2007

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Sunbelt AgExpo, Moultrie, GA, October 2006 & October 2007

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Chilton Regional Extension Center, Farm, Home, and Wildlife Expo, Clanton, AL, August 2007

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Insectival, Oxbow Meadows Environmental Learning Center, Columbus, GA, July 2007

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Sunbelt Agricultural Exposition, Moultrie, Georgia, 17-19 October 2005.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the Alabama National Fair, Montgomery, Alabama, 7-16 October 2005.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the 26<sup>th</sup> Annual CoAg Fall Roundup/Taste of Alabama Agriculture, Auburn University, Alabama, 24 September 2005.

Educational presentation on The Alabama Fire Ant Management Program at 2005 Farm, Home and Wildlife Expo, Chilton Research and Extension Center, Clanton, Alabama, 6 August 2005.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at TALONS Day (Talented Academic Leaders; Outstanding National Scholars), at the Auburn University Hotel and Dixon Conference Center, Auburn, Alabama, 21 and 28 February 2005.

Prepared educational booth on The Alabama Fire Ant Management Program for the 61<sup>st</sup> Annual National Peanut Festival, Dothan, Alabama, 5-13 November 2004.

Prepared educational booth on The Alabama Fire Ant Management Program at Sunbelt Agricultural Exposition in Moultrie, Georgia, 18-20 October 2004.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at the 25<sup>th</sup> Annual CoAg Fall Roundup/Taste of Alabama Agriculture, Auburn University, Alabama, 9 October 2004.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Alabama National Fair, Montgomery, Alabama, 8-17 October 2004.

Presentation on School IPM for Auburn High School Science Club, November 20, 2003.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Ag Roundup on Auburn Campus, November 1, 2003.

Prepared educational booth on The Alabama Fire Ant Management Program for the 60<sup>th</sup> Annual National Peanut Festival, October 31- November 8, 2003.



Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Sunbelt Agricultural Exposition in Moultrie Georgia, October 14-16, 2003.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Alabama National Fair, October 3-12, 2003.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Oxbow Meadows Insectival Festival. Columbus State University, Columbus, Georgia, July 13, 2003.

Tour of fire ant facilities for YES Camp. Auburn University College of Science and Mathematics, June 26, 2003.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Ag Roundup on Auburn Campus, November 9, 2002.

Prepared educational booth on The Alabama Fire Ant Management Program for the 59<sup>th</sup> Annual National Peanut Festival, November 1-9, 2002.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Sunbelt Agricultural Exposition in Moultrie Georgia, October 15-17, 2002.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Alabama National Fair, October 4-13, 2002.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Oxbow Meadows Insectival Festival. Columbus State University, Columbus, Georgia, July 14, 2002.

Tour of fire ant facilities for YES Camp. Auburn University College of Science and Mathematics, June 26, 2002.

Prepared and staffed educational booth on The NASULGC Fifth Annual Food and Agricultural Science Exhibition and Capitol Hill Reception. Rayburn House Office Building, Washington, DC, Georgia, March 5, 2002.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Ag Roundup on Auburn Campus, October 20, 2001.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Sunbelt Agricultural Exposition in Moultrie Georgia, October 16-18, 2001.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Alabama National Fair, October 4-14, 2001.

Prepared and staffed educational booth on The Alabama Fire Ant Management Program at Oxbow Meadows Insectival Festival. Columbus State University, Columbus, Georgia, June 16, 2001.

Prepared acrylic ant mounts to show polymorphism in fire ants for SARE project; to be used by county agents for educational purposes, 2001.

Prepared four posters for SARE project; to be used by county agents for educational purposes (Biological control of fire ants using phorid flies; Using baits to manage fire ants; Fire ant biology: colony establishment; Fire ant biology: life in the mound), 2001.

Prepared and staffed educational booth at Alabama National Fair on The Alabama Fire Ant Management Program (9 days), 2000.

Prepared and staffed educational booth at Ag Roundup on Auburn Campus on The Alabama Fire Ant Management Program, 2000.

Prepared and staffed educational booth at Alabama National Fair on The Alabama Fire Ant Management Program (8 days), 1999.

## Extension Media

Live interview with WLTZ Ch 38, Columbus, GA. Pest Ants. January 2018  
Article for Alabama Turf Times. Tawny Crazy Ants. 2017  
Live interview with The Weather Channel. Fire Ants and Floods. 2017  
Interview with the Birmingham News. Phorid flies in Alabama, July 2009.  
Article for Wildlife Trends Journal. Fire Ants and Wildlife. May 2009.  
Backyard Wisdom Radio Show. Fire Ant Management. April 2009.  
Interview with Russellville News. June 2008.  
Graham, L.C. "Fudd", 2007, Baits Provide Economical Management for Fire Ants, Alabama Nursery & Landscape Association Newsletter. July Issue  
Interview with Valent® media group - Fire ant management with baits - Spring 2007.  
**Graham, L. C. "Fudd"**, 2007, Baits Provide Economical Management for Fire Ants, Ala. Nursery and Landscape Assn. Newsletter. July Issue.  
**Graham, L. C. "Fudd"**, 2006, Special report: Parasite imported from South America kill fire ants. WPMI, NBC 15, Mobile, Pensacola, Ft. Walton. Bruce Mildwurf reporting. Nov 3, 2006.  
[http://www.nbc15online.com/news/special\\_report/story.aspx?content\\_id=AEF\(EDA6-B\(10/17/06\)\)](http://www.nbc15online.com/news/special_report/story.aspx?content_id=AEF(EDA6-B(10/17/06))).  
Interview for ALFA Home Magazine and Alfa Farm Magazine, August 2006  
Article for Alabama Turfgrass Association Newsletter, September 2006  
ACES 2005 Ag Highlights – Take the Sting Out of Fire Ants – Extension Agents with Fire Ant Management Program Alabama Fire Ant Management Program Fiscal Year 2006 Progress Report  
Alabama Farmers and Consumers Bulletin – Alabama Fire Ant Management Program Appreciation Award – Graham, Bertagnolli, Flanders, 2006.  
Cooperative Farming News – Fire Ant Management Program, 2006.  
Interview for ALFA Home Magazine and Alfa Farm Magazine, August 2006  
Radio interview on WCOA radio in Pensacola, FL. 10/23/02  
Newspaper interview on phorid release in Baldwin Co, Mobile Register, Mobile, AL. 8/15/02  
Magazine article, Fire ants, Alabama Living, August 2002  
In battle between fire ant and flies, flies win big time  
<http://web.gosanangelo.com/archive/02/june/2/2002060212.shtml>, 6/02/02  
ACES pres release- <http://www.aces.edu/dept/extcomm/newspaper/june5a02.html>  
Newspaper feature, Fly vs. Ant, Birmingham Post-Herald, Birmingham, AL. 5/18/02  
Newspaper article, Attack of the phorid fly, Mobile Register, Mobile AL. 5/6/02  
Television News Spot on phorid release. WKRG, Mobile, AL. 5/03/02  
Television News Spot on phorid release. FOX news 10, Mobile, AL. 5/03/02  
Television News Spot on phorid release. WPMI, Mobile, AL. 5/02/02  
Newspaper interview, Mobile Baldwin Register, Mobile, AL. 5/01/02  
Interview with Mark Anthony, Alabama Public Radio, 4/23/02  
New weapons in fire ant war: Products offer easier, more effective control of pests  
<http://www.decaturdaily.com/decaturdaily/news/020421/fireants.shtml>, 4/21/02  
Newspaper interview, Birmingham Post Herald, Birmingham, AL. 4/18/02  
Television News Spot on phorid release. For The Record, Alabama Public Television. Mobile, AL. 4/18/01  
Newspaper interview, Decatur Daily, Decatur, AL. 4/17/02  
Television News Spot on IFA control. WTVM, Columbus, GA. 4/15/02  
Television interview, How to ward off fire ants safely, WSFA, Montgomery, AL, 4/04/02  
ACES pres release - <http://www.aces.edu/dept/extcomm/newspaper/feb22a02.html>  
Television News Spot on phorid release. WSFA, Montgomery, AL. 4/18/01  
Extension Press Release on phorid flies, by Jim Langcuster, Auburn, AL, 4/01/01  
Television News Spot on phorid release. For The Record, Alabama Public Television. First aired 9/19/00.  
Television News Spot on phorid release. Columbus, GA.. CBS affiliate Week of 9/18/00.  
Television News Spot on phorid release. Columbus, GA. ABC affiliate. Week of 9/18/00.  
News Article on phorid release. LaGrange Daily News. LaGrange AL. 9/14/00. AP wire story from Dothan article.  
Television News Spot on phorid release with Henry Dorough. Birmingham, AL ABC affiliate. Week of

9/13/00.

News Article on phorid release. Dothan Eagle, Dothan, AL. 9/13/00. Made AP wire top ten.

News Article on phorid release. Tuscaloosa News, Tuscaloosa, AL. Week of 9/13/00. AP wire story from Dothan article.

News Article on phorid release. Columbus Ledger-Enquirer, Columbus, GA. Week of 9/13/00. AP wire story from Dothan article.

Television News Spot on phorid release. Dothan AL. Week of 9/13/00.

Radio show (Pat Dye), talk on fire ants, 1/3/00.

### Graduate Student Committees

<b>Student</b>	<b>Degree</b>	<b>Role</b>
Kelly Palmer	Ph.D.	Co-Advisor
Vicky Bertagnolli	M.S.	Co-Advisor
Addison Barden	M.S.	Comm.
Olufemi Ajayi	M.S.	Comm.
Kate Nangle	M.S.	Comm.

### Teaching

Urban IPM. Economic Entomology Lectures each year

Household Pests. Economic Entomology Lectures each year

Fire ant biology, control products and biological controls. Fire ants at the fair Master Gardener training class. October 2008.

Fire ant biology, control products and biological controls. Fire ants at the peanut festival Master Gardener training class. October 2008.

Household, school, and workplace IPM. Laboratory lecture for ENTM 5330/6330-Integrated Pest Management, Auburn University, Auburn, Alabama, 24 September 2004.

The Science of Fire Ants, laboratory course (2) Entomology for Educators class; how to use imported fire ants for science projects, Auburn University, Auburn, AL, June 11-12, 2002.

The Science of Fire Ants, 2 hour training courses for high school teachers; how to use imported fire ants for science projects, Auburn University, Auburn, AL, July 23, 2002.

Fire Ant Biology and Management, Conservation Biology Lecture for D. Robinson's Conservation Biology class, Auburn University, Auburn, AL, November 13, 2001.

Urban IPM: Inspection, Monitoring and the Art of Communication, half-day training course, Auburn Facilities Division, July 31, 2001.

The Science of Fire Ants, 2 laboratory courses Entomology for Educators class; how to use imported fire ants for science projects, Auburn University, Auburn, AL, July 24, 2001.

The Science of Fire Ants, 2 hour training courses (3) for high school teachers; how to use imported fire ants for science projects, Auburn University, Auburn, AL, June 25-27, 2001.

Urban IPM: Inspection and Monitoring, one-day training course, Auburn Facilities Division, May 18, 2001.

IPM in Schools, 30 min training courses (2) for Auburn city school maintenance workers, Auburn High School, Auburn, AL, April 17, 2001.

IPM in Schools, half-day training course for PMP's, Prichard, AL, Jan.25, 2001.

The Science of Fire Ants, 2 hour laboratory for Insects for Educators class; how to use imported fire ants for science projects, Auburn University, Auburn, AL, July, 2000.

The Science of Fire Ants, 2 hour training courses (3) for high school teachers; how to use imported fire ants for science projects, Auburn University, Auburn, AL, June 20-22, 2000.

Teaching assistant, Animal Biology audio-tutorial laboratory (undergraduate), Auburn University, 1974-1976.

### Honors And Awards

Southern Region IPM Center 2009 Bright Idea Award. Southeastern Branch of the Entomological Society of America. March 2009.

Extramural Funding Award for On-Campus Staff, 2008, awarded to **Lawrence "Fudd" Graham**, research fellow, Entomology and Plant Pathology, Auburn University.

Selected as exhibitor in Agriculture and Food Science in the 21<sup>st</sup> Century, The Government-University Partnership at Work: A University Science Exhibition on Capitol Hill, sponsored by the National

Association of State Universities and Land-Grant Colleges, March 5, 2002, Rayburn House Office Building, Washington, DC.

Outstanding Extension/Regulatory Display, 2001 Annual Meeting of the Entomological Society of America, San Diego, California.

Outstanding Ph.D. Student Award, 1999, Department of Entomology, Auburn University.

Outstanding Student Display Presentation Award, 1996, Southeastern Branch of the Entomological Society of America, Biloxi, Mississippi.

### **Society Memberships/ Professional Development**

Entomological Society of America  
Association of County Agricultural Agents and Specialists  
National Association of County Agricultural Agents  
American Association of Pesticide Safety Educators  
Alabama Pest Control Association  
Alabama Vector Management Society  
American Association of Pesticide Safety Educators  
Epsilon Sigma Phi  
Phi Eta Sigma  
Gamma Sigma Delta  
F. S. Arant Entomology Club

### **Service Activities**

SEB-ESA Public Relations Committee Chair, 2009, 2013, 2014  
SEB-ESA Local Arrangements Committee, 2009  
SEB-ESA Public Relations Committee, 2010  
SEB-ESA Local Arrangements Committee, 2019  
College of Agriculture Facilities Council - Departmental Representative, May 2001- 2010.  
Responsible for setup, maintenance and repair of departmental computers used by graduate students, 1988-1995.

### **Professional Improvement**

2017	9 Meetings
2016	10 meetings
2015	10 meetings
2014	8 meetings
2013	9 meetings
2012	13 meetings
2011	7 meetings
2009	12 meetings
2008	13 meetings

Entomological Society of America 55<sup>th</sup> Annual Meeting, San Diego, California, December 9-13, 2007.

Western IPM Meeting, Portland, Oregon, September 23-25, 2007.

2007 National C&T Meeting, Portland, Maine, August 19-23, 2007.

Summer Regional PSEP Meeting, New Orleans, Louisiana, June 17-20, 2007.

AACAA Meeting, Guntersville, Alabama, June 12-15, 2007.

2007 Red Imported Fire Ant Conference, Gainesville, Florida, March 23-26, 2007.

81<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Knoxville, Tennessee, March 4-7, 2007.

Alabama Vector Management Society Meeting, Tuscaloosa, Alabama, February 26-28, 2007.

Alabama PCA Meeting, February 8-9, 2007.

Alabama Small Fruits Meeting, Belle Mina, Alabama, January 25-26, 2007.

Alabama Certified Landscape Professionals Program, Birmingham, Alabama, January 18-19, 2007.

North Alabama Fruit Tree Meeting, Athens, Alabama, January 16-17, 2007.

Alabama Pesticide Dealer Meetings, Auburn, Alabama, January 9-11, 2007.

Entomological Society of America 54<sup>th</sup> Annual Meeting, Indianapolis, Indiana, December 9-14, 2006.

National Conference on Urban Entomology, April 21-24, 2006.

5<sup>th</sup> National IPM Symposium, St. Louis, Missouri, April 3-6, 2006.

2006 Red Imported Fire Ant Conference, Mobile, Alabama, March 26-28, 2006.

80<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Wilmington, North Carolina, March 5-8, 2006.

Entomological Society of America 53<sup>rd</sup> Annual Meeting, Fort Lauderdale, Florida, December 15-18, 2005.

North American Pesticide Applicator Certification and Safety Education Workshop, Madison, Wisconsin, August 15-18, 2005.

79<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Tunica, Mississippi, March 7-9, 2005.

Entomological Society of America 52<sup>nd</sup> Annual Meeting, Salt Lake City, Utah, November 14-17, 2004.

XXII International Congress of Entomology – Strength in Diversity, Brisbane, Queensland, Australia, August 15-21, 2004.

2004 Red Imported Fire Ant Conference, Baton Rouge, Louisiana, March 21-23, 2004.

78<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Charleston, South Carolina, February 15-18, 2004.

Entomological Society of America 51<sup>st</sup> Annual Meeting, Cincinnati, Ohio, October 26–29, 2003.

2003 Red Imported Fire Ant Conference, Palm Springs, California, March 29-April 1, 2003.

77<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, Baton Rouge, Louisiana, March 9-12, 2003.

Entomological Society of America 50<sup>th</sup> Annual Meeting, Ft. Lauderdale, Florida, November 17-20, 2002.

National IPM in Schools Meeting, 2002, Washington D. C. (Oct 3)

IPM in Schools Workshop, 2002 Bloomington Indiana (Sep 24-25)

Lawn and Landscape Researcher Roundtable, 2002, New York, New York (Aug 9-11)

International Urban IPM Meeting, 2002, Charleston, South Carolina. (July 8-10)

2002 Imported Fire Ant Conference, Athens, Georgia

2002 National Association of State Universities and Land-Grant Colleges, Washington, D.C., March 5, 2002.

Beltwide Cotton Conference, 2002, Atlanta, Georgia

Entomological Society of America 49<sup>th</sup> Annual Meeting, San Diego, California, 2001.

2001 Imported Fire Ant Conference, San Antonio, Texas

75<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 2001, Augusta, Georgia

Entomological Society of America 48<sup>th</sup> Annual Meeting, Montreal, Canada, 2000.

2000 Imported Fire Ant Conference, Chattanooga, Tennessee

74<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 2000, Mobile, Alabama

Beltwide Cotton Conference, 2000, San Antonio, Texas

Entomological Society of America 47<sup>th</sup> Annual Meeting, Atlanta, Georgia, 1999.

Beltwide Cotton Conference, 1999, Orlando, Florida

Entomological Society of America 46<sup>th</sup> Annual Meeting, Las Vegas, Nevada, 1998.

72<sup>nd</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1998, Chattanooga, Tennessee

Entomological Society of America 45<sup>th</sup> Annual Meeting, Nashville, Tennessee, 1997

71<sup>st</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1997, Asheville, North Carolina

Beltwide Cotton Conference, 1997, New Orleans, Louisiana

Entomological Society of America 44<sup>th</sup> Annual Meeting, Louisville, Kentucky, 1996.

70<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1996, Biloxi, Mississippi

68<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1994, Baton Rouge, Louisiana

67<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1993, Little Rock, Arkansas

Beltwide Cotton Conference, 1992, Nashville, Tennessee

66<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1992, Savannah, Georgia.

Beltwide Cotton Conference, 1991, San Antonio, Texas

65<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1991, Orange Beach, Alabama

64<sup>th</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1990, Orlando, Florida

63<sup>rd</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1989, Nashville, Tennessee

62<sup>nd</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1988, Raleigh, North Carolina

Entomological Society of America 36<sup>th</sup> Annual Meeting, Louisville, Kentucky, 1988.

61<sup>st</sup> Annual Meeting of the Southeastern Branch of the Entomological Society of America, 1987, Jackson, Mississippi

Entomological Society of America 34<sup>th</sup> Annual Meeting, Reno, Nevada, 1986.

Entomological Society of America 33<sup>rd</sup> Annual Meeting, Hollywood, Florida, 1985.

