

Scott W. Ludwig

TITLE: Extension Program Specialist III – IPM

EDUCATION

Ph.D. Entomology	The University of Georgia
M.S. Entomology	Virginia Tech
B.S. Zoology	University of Kentucky

CURRENT RESPONSIBILITY

My major job responsibility is to provide leadership for planning, implementing, evaluating, and interpreting pest management programs in the greenhouse/nursery industry in North and East Texas. I support pest management at the state level as the IR-4 State Liaison Representative for the Ornamental Program. I also support county extension agents in the 22 counties in East Texas. This includes conducting master gardener training and providing entomology programming support.

REFEREED PUBLICATIONS

- Ludwig, S. W.**, K. Hoover, & R. Berghage. 2003. Evaluation of medium-applied insect growth regulators against fungus gnats and western flower thrips populations on African violets. *HortTechnology*. 13: 515-517.
- Ludwig, S. W.**, L. Lazarus, D. G. McCullough, K. Hoover, S. Montero, & J. C. Sellmer. 2002. Methods to evaluate host tree susceptibility to the Asian longhorned beetle, *Anoplophora glabripennis*. *Journal of Environmental Horticulture*. 20: 175-180.
- Ludwig, S. W.** & R. D. Oetting. 2002. Efficacy of *Beauveria bassiana* plus insect attractants for enhanced control of western flower thrips, *Frankliniella occidentalis* (Thysanoptera: Thripidae). *Florida Entomologist*. 85: 270-272.
- Ludwig, S. W.** & R. D. Oetting. 2002. Susceptibility of natural enemies to infection by *Beauveria bassiana* and impact of insecticides on *Ipheseius degenerans* (Acari: Phytoseiidae). *Journal of Agricultural and Urban Entomology*. 18: 169-178.
- Ludwig, S. W.** & L.T. Kok. 2001. Harlequin bug, *Murgantia histrionica* (Hahn), (Heteroptera: Pentatomidae) development and feeding impact on broccoli. *Crop Protection*. 20: 247-251.
- Ludwig, S. W.** & R. D. Oetting. 2001. Effect of spinosad on *Orius insidiosus* (Hemiptera: Athocoridae) when used for *Frankliniella occidentalis* (Thysanoptera: Thripidae) control on greenhouse pot chrysanthemums. *Florida Entomologist*. 84: 311-313.
- Ludwig, S. W.** & R. D. Oetting. 2001. Evaluation of medium treatments for control of *Frankliniella occidentalis* (Thripidae: Thysanoptera) and *Bradysia coprophila* (Diptera: Sciaridae). *Pest Management Science*. 57: 1114-1118.
- Ludwig, S. W.** & L. T. Kok. 1998. Phenology and parasitism of harlequin bug (Hahn) (Hemiptera: Pentatomidae). *Journal of Entomological Science*. 33: 33-39.
- Ludwig, S. W.** & L.T. Kok. 1998. Evaluation of trap crops to manage harlequin bugs, *Murgantia histrionica* (Hahn) (Hemiptera: Pentatomidae), on broccoli. *Crop Protection*. 17: 123-127.

Ludwig, S. W. 1995. *Apanteles congregatus* (Say) (Hymenoptera: Braconidae), a newly recorded parasite of *Tolype* sp. (Lepidoptera: Lasiocampidae). *Banisteria*. 5: 11.

TRADE JOURNAL ARTICLES

Monthly IPM column in the Texas Nursery and Landscape Association Green Magazine (2003-2007).

Ludwig, S. 2007. New pest invaders. *American Nurseryman*. 205(10): 32-35.

Ludwig, S., and K. Ong. 2007. Taking a stroll with biocontrol. *American Nurseryman*. 205(12): 32-35.

Ludwig, S. & L. Osborne. 2007. Proper planning can help to manage whitefly. *GMPRO*. (In Press)

Ludwig, S. & C. Bográn. 2006. A pain in the grass. *Ornamental Outlook*. 15(8): 50.

Ludwig, S.W., J. Bethke, R. Oetting, D. Gilrein, and L. Osborne. 2006. Q-biotype whitefly, they can be controlled. *Grower Talks*. 69(12): 44-52.

Ludwig, S. & P. Ellsworth. 2006. Q-biotype update. *Greenhouse Grower*. 24(8): 138-142

Ludwig, S. & P. Ellsworth. 2006. Q-biotype whitefly update. *Ornamental Outlook*. 15(7): 36-38.

Ludwig, S. & L. Osborne. 2006. Minding your B's & Q's. *GMPRO* 26(8): 71-73.

Osborne, L. S., S. W. Ludwig, & L. Schmale. 2005. Q-biotype whitefly: A time for action. *Greenhouse Grower*. 23(10): 70-76.

Ludwig, S. 2003. Developing and implementing a greenhouse IPM plan. *OFA Bulletin*. Nov./Dec. 881: 17-19.

Ludwig, S. W., K. Hoover, & R. Berghage. 2003. IGRs on fungus gnats and western flower thrips. *Greenhouse Product News*. 13(10): 42-44.

NATIONAL PEST ALERT

Ludwig, S., L. Osborne, M. Ciomperlik, and G. Hodges. 2007. *Scirtothrips dorsalis* Hood.

TEXAS COOPERATIVE EXTENSION FACT SHEETS

Bográn, C.E., B. A. Castro and S. Ludwig. 2006. The cycad aulacaspis scale, a pest of sago palms in Texas. *EEE-00038*.

Bográn, C.E., S. Ludwig and B. Metz. 2006. Using oils as pesticides. *E-419*.

Ludwig, S. 2006. Glassy-winged sharpshooter management for Texas nurseries shipping to arizona. *EEE-00028*.

Ludwig, S. & B. M. Drees. 2005. Cuban laurel thrips control in interior landscapes. *EEE-00021*.

AWARDS

Excellence in Integrated Pest Management Programming Award. Texas Pest Management Association. 2005.