



To: Insects, Diseases and Invasive Plants (IDIP) – SRS-4552

From: Doug Streett, Project Leader

NOTES # 70

December 1, 2011

Unit News

News Flash... Congratulations to our own **Kier Klepzig** and the rest of the team for the 2011 Chief's Honor Award for Sustaining Forests and Grasslands (Goal 1) Southern Pine beetle Prevention and Restoration Program, Region 8. Team members were John Nowak (lead), Wesley Nettleton, Don Duerr, Kier Klepzig.

News Flash... Stacy Blomquist received the station award for the 2011 Gifford Pinchot “Excellence in Interpretation and Conservation Education” from the Deputy Chief of Research and Development. An award was presented and accepted by the Project Leader at the recent Leadership Team meeting in Asheville, NC.

News Flash... Kier Klepzig represented the unit and the Southern Research Station at an event commemorating the 1 millionth acre treated in the Southern Pine Beetle Prevention Program. Pictured at a pine forest in Virginia are USDA Deputy Undersecretary Butch Blazer, Ken Arney, Kier, Rob Mangold, Wes Nettleton, Carl Garrison, Chris Asaro and John Nowak.



News Flash... SPB II has been published and is now available. The new book presents findings from research conducted and supported by our unit and includes contributions from several unit scientists and cooperators. The publication (Coulson, R. N. and K.D. Klepzig. 2011. Southern Pine Beetle II. Gen. Tech. Rep. SRS-140) may be requested by sending an email to: pubrequest@fs.fed.us

News Flash... **Jim Hanula** was interviewed by the Wall Street Journal for an article on the bean plataspid aka. the kudzu bug. Jim also provided information on the bean plataspid for articles in the Univ. of Ga. College of Ag. online newsletter, the Oconee Enterprise and the Athens Banner Herald.

New IDIP Technical Transfer Activities

Guy Shelton ... has published the following manuscript. **Shelton, T.G.**, J.K. Grace, R.J. Woodrow and R.J. Oshiro. 2011. Response of subterranean termites (Isoptera: Rhinotermitidae) to stressed nestmates. *J. Entomol. Sci.* 46(4): 284-291.

Dan Miller... has the following manuscript submitted for publication Allison, J.D., J.L. McKinney, **D.R. Miller** and M.L. Gimmel. The role of ipsdienol, ipsenol and *cis*-verbenol in the chemical ecology of *Ips avulsus*, *I. calligraphus* and *I. grandicollis* (Coleoptera: Curculionidae: Scolytinae). *Chemoecology*. Submitted Oct 2011.

.... and the following manuscript has been published Roe, A.D., **D.R. Miller** and S.J. Weller. 2011. Complexity in the *Dioryctria zimmermani* species group: Incongruence between species limits and molecular diversity. *Ann. Entomol. Soc. Am.* 104: 1207-1220.

John Moser... attended the ESA meeting and submitted a poster. **John Moser** and R. J. Gagne. 2011. "The gall midges (Diptera: Cecidomyiidae: Celticecis) of hackberry (Cannabaceae: Celtis)." Entomological Society of America meeting in Reno, NV.

Will Shepherd ... presented the following poster at the ESA meeting in Reno. **Shepherd, W.P., A.E. Mayfield, B.T. Sullivan**, and K.F. Wallin. 2011. Studies of the chemical ecology of *Laricobius nigrinus*. 59th Annual Meeting of the Entomological Society of America, Reno, NV.

Michael Ulyshen... has had four papers accepted for publication. **Ulyshen, M. D., Shelton, T.G.** In Press. Evidence of cue synergism in termite corpse response behavior. *Naturwissenschaften*

... **Ulyshen, M. D., Hanula, J. L.**, Blinn, R., Kritsky, G. In Press. Saproxylic hemiptera habitat associations. *Southeastern Naturalist*

.... **Ulyshen, M. D.**, Soon, V., **Hanula, J.L.** In Press. Vertical distribution and seasonality of predatory wasps in a temperate deciduous forest. *Florida Entomologist*

.... Chen, Y., **Ulyshen, M. D.**, Poland, T. M. In Press. Differential efficiency of utilizing ash phloem by emerald ash borer larvae: ash species and larval stage effects. *Agricultural and Forest Entomology*

Jim Hanula ... has a manuscript published: **Hanula, J.L.** and **S. Horn**. 2011. Effects of an Invasive Shrub (Chinese Privet) and its Removal on Bee Communities in Riparian Forests. *Insect Conservation and Diversity* 4:275-283.

... and three manuscripts In press: Joseph, S. V., S. K. Braman, J. Quick, and **J. L. Hanula**. In press. The range and response of neonicotinoids on hemlock woolly adelgid, *Adelges tsugae* (Hemiptera: Adelgidae). *Journal of Environmental Horticulture*

Zhang, Y., **Hanula, J.L.**, **S. Horn**, and S.K. Braman. In press. Biology of *Leptophya hospita* (Hemiptera: Tingidae): a potential biocontrol agent of Chinese privet. *Ann. Entomol. Soc. Am.*

Moorman, C. E., L. T. Bowen, J. C. Kilgo, **J. L. Hanula**, **S. Horn**, and **M. D. Ulyshen**. In press. Arthropod abundance and seasonal bird use of bottomland forest harvest gaps. *Wilson J. Ornithol.*

Bud Mayfield ... has a paper published: Joseph, S.V., **A.E. Mayfield III**, M.J. Dalusky, C. Asaro, and C.W. Berisford. 2011. Phenology of the hemlock woolly adelgid (Hemiptera: Adelgidae) in northern Georgia. *J. Entomol. Sci.* 46: 1-10.

... and a manuscript in review: **Mayfield A.E., III**, and **J.L. Hanula**. 2011. Effect of tree species and end seal on attractiveness and utility of cut bolts to the redbay ambrosia beetle and granulate ambrosia beetle (Coleoptera: Curculionidae: Scolytinae). *J. Econ. Entomol.* (in review).

... also a poster at the International Scientific Conference on Hardwood Processing, Oct 16-18, 2011 Virginia Tech: **Mayfield A.**, P. Merten, **S. Fraedrich**, S. Myers, and A. Taylor. 2011. Phytosanitation Options for Black Walnut Logs.

Bud... also had presentations at the following meetings:

Mayfield, A. 2011. Hemlock woolly adelgid and the plight of hemlocks in western North Carolina. Highlands Falls Country Club Lunch-and-Learn, Highlands, NC, Sep 21, 2011.

Mayfield, A., Z. Powers, R. Jetton and F. Hain. 2011. Operation Adelgification: Evaluating Artificial Infestation Techniques and Susceptibility to Hemlock Woolly Adelgid in Eastern and Carolina Hemlock. Reclaiming Hemlocks and Firs: A Symposium, Waynesville, NC, Oct. 26, 2011.

Mayfield, A. 2011. Invasive Insect and Disease Threats to Southern Appalachian Forests. Society of American Foresters, Pisgah Chapter Meeting, Waynesville, NC, Nov. 29, 2011.

Mayfield A., A. Taylor, **S. Fraedrich**, P. Merten, and D. Bailey. 2011. Evaluation of debarking and heating on the survival of the thousand cankers disease vector and pathogen in black walnut logs. Conference on Thousand Cankers Disease and Emerald Ash Borer in the Eastern United States. Knoxville, TN, Dec 1, 2011.