



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

From: Doug Streett, Project Leader

NOTES # 66

February 1, 2011

## New IDIP Technical Transfer Activities

**Jim Miller** has now finished the long awaited update of the field guide entitled “ A Field Guide for the Management of Invasive Plants in Southern Forests. Gen. Tech. Re. SRS-131. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 120 p.

**Kier Klepzig ...** has a GTR out: Waldron, J.D., R.N. Coulson, D.M. Cairns, C.W. Lafon, M.D. Tchakerian, W. Xi, K.D. Klepzig, and A. Birt. 2010. Evaluating the impact of invasive species in forest landscapes: the southern pine beetle and the hemlock woolly adelgid. In: Pye, John M.; Rauscher, H. Michael; Sands, Yasmeen; Lee, Danny C.; Beatty, Jerome S., tech. eds. Advances in threat assessment and their application to forest and rangeland management. Gen. Tech. Rep. PNW-GTR-802. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest and Southern Research Stations: 687-698.

... Kier and colleagues had a paper come out in Microbial Ecology: Jiri Hulcr, Aaron S. Adams, Kenneth Raffa, Richard W. Hofstetter, **Kier D. Klepzig** and Cameron R. Currie. 2011. Presence and Diversity of Streptomyces in Dendroctonus and Sympatric Bark Beetle Galleries Across North America.

... Evans, L.M., R.W. Hofstetter, M.P. Ayres, and **K.D. Klepzig**. 2011. Temperature changes a community: Dendroctonus frontalis and its symbionts. Environmental Entomology 40:000-000.

... accepted for publication: **Klepzig, K.D.**, and **B.L. Strom**. 2010. Effects of a commercial chitosan formulation on bark beetle (Coleoptera: Curculionidae) resistance parameters in loblolly pine. J. Entomol. Sci.

**Scott Horn** ...just had a paper accepted: **Horn, S.** and **J.L. Hanula**. 2011. Influence of trap color on collection of the recently introduced bean plataspid, *Megacopta cribraria* (Hemiptera:Plataspidae). Journal of Entomological Science.

**Chris Peterson...** has submitted a paper to Pest Management Science entitled " Bifenthrin longevity at the termiticidal application rate" .

**Jim Hanula ...** has two papers in press; **Hanula, J.L.** and **S. Horn**. In Press. Removing an invasive shrub (Chinese privet) increases native bee diversity and abundance in riparian forests of the Southeastern United States. Insect Conservation and Diversity

... Joseph, S. V., **J. L. Hanula**, and S. K. Braman. In Press. Effects of Fertilizer and Low Rates of Imidacloprid on *Adelges tsugae* (Hemiptera: Adelgidae). Environ. Entomol.

**Steve Fraedrich** has four papers in press: Harrington, T. C, H. Y. Yun, S. S. Lu, H. Goto, D. N. Aghayeva and **S. W. Fraedrich**. 2011. Isolations from the redbay ambrosia beetle, *Xyleborus glabratus*, confirm that the laurel wilt pathogen, *Raffaelea lauricola*, was introduced to the USA from Asia. Mycologia (accepted in press).

... G. R. Stanosz, D. R. Smith, J. P. Sullivan, A. M. Mech, K. J. K. Ghandi, M. J. Dalusky, **A. E. Mayfield**, and **S. W. Fraedrich**. 2011. Shoot blight caused by *Sirococcus tsugae* on eastern hemlock (*Tsuga canadensis*). Plant Dis. (Accepted, in press).

... **Fraedrich, Stephen W.** and Michelle M. Cram. 2011. Nematode. In: Forest Nursery Pests. USDA Forest Service. Agricultural Handbook#\_\_. (in press).

... **Fraedrich, Stephen W.** and Michelle M. Cram. 2011. Seed Fungi. In: Forest Nursery Pests. USDA Forest Service. Agricultural Handbook#\_\_. (in press).

**Brian Strom** has a new paper out: **Strom, B. L.** and **L. M. Roton**. 2011. Effectiveness of cedar oil products for preventing host use by *Ips avulsus* (Eichhoff) (Coleoptera: Curculionidae) in a modified small-bolt assay. J. Entomol. Sci. 46:14-21.

**Doug Streett** and colleagues had a poster: Zeng Y, Coulson R, Chen SH, Lafon C, Cairns D, Waldron J, Birt A, Tchakerian M, Xi W, Streett D. Examining the Impact of Hemlock Woolly Adelgid Herbivory on Southern Appalachian Forest Landscapes. 22nd USDA Interagency Research Forum on Invasive Species, Annapolis MD

**Dan Miller** had two papers published: Fan, J.-T., **D.R. Miller**, L.-W. Zhang and J.-H. Sun. 2010. Effects of bark beetle pheromones on the attraction of *Monochamus alternatus* to pine volatiles. Insect Science 17: 553-556.

... Dodds, K.J. and **D.R. Miller**. 2010. Test of nonhost angiosperm volatiles and verbenone to protect trap trees for *Sirex noctilio* (Hymenoptera: Siricidae) from attacks by bark beetles (Coleoptera: Scolytidae) in the northeastern United States. *J. Econ. Entomol.* 103: 2094-2099.

... and a poster: **Miller, D.R., C.M. Crowe**, B.F. Barnes, K.J.K. Gandhi & D.A. Duerr DA. 2011. Attaching lures for bark and wood boring beetles to multiple-funnel traps: Inside or outside funnels? 22<sup>nd</sup> USDA Interagency Research Forum on Invasive Species, Annapolis MD.