Patricia D. Hastings

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To: "NJinPAS Turf, Ornamental, Greenhouse, & Nurseries" <NJINPASturfornamental@aesop.rutgers.edu>; "NJinPAS Forests and Xmas Trees" <NJinPASforestsxmas@aesop.rutgers.edu>; "NJinPAS Fruit" <NJinPASFRUIT@aesop.rutgers.edu>
Sent: Tuesday, July 17, 2007 5:34 PM
Subject: THURSDAY the 19th Webcast on research update on nursery, shade tree and orchard

Announcement and directions to access Webcast on research update on nursery, shade tree and orchard spraying--tree, vine, bush applications and DRIFTSIM program courtesy of Joanne Kick-Raack, State Pesticide Coordinator for The Ohio State University Pesticide Education Program.

Subject: Directions for AAPSE Webcast Participation
From: Joanne Kick-Raack

*Live Webcast*July 19, 2007 (Thursday); 2:30 - 4:00 p.m. Eastern daylight time

TOPIC: Webcast on research update on nursery, shade tree and orchard spraying--tree, vine, bush applications and DRIFTSIM program.

ACCESS THE WEBCAST (2 links):
First Link:
* Log onto the streaming server at http://clickvideo.ag.ohio-state.edu/faculty.html
* Click on the "View Live Webcast from CommTech Media Center" link.
* The streaming video should appear in your Windows Media Viewer window.
* Link will be ready at 2:00 p.m. EST

Second Link:
* Log onto the streaming server at http://clickvideo.ag.ohio-state.edu/
* Click on the "View Live Webcast" link in the box on the left.
* The streaming video should appear in your Windows Media Viewer window.
* Link will be ready at 2:00 p.m. EST

Questions for the presenters can be posted ahead of time and during the webcast at http://ndsupesticide.cws.ndsu.nodak.edu/AAPSE-QA

A note to locations with limited broadband internet connection (DSL): For best performance, try to limit the number of individuals viewing the live video stream. Too many connections on your network will affect the quality of the video stream on your computer. The best approach would be to connect one computer to the stream and then to a projector. Get the office together and enjoy the program.

If you have technical difficulties during the broadcast, please contact the webcast control room at 330-263-3958.

This program will be posted in the "Seminars and Special Events" portion of http://clickvideo.ag.ohio-state.edu/seminars.html by Monday, July 23 if you wish to view it later.

The session can also be accessed through the AAPSE website at http://www.aapse.org and click on "links". The program will also be archived on the AAPSE website.
<http://clickvideo.ag.ohio-state.edu/>
Below is the agenda, complete program abstract and information on the presenters.

Agenda
•2:00 Webcast available for log in
•2:30 Program begins-- Introductions and Agenda Joanne Kick-Raack, President, AAPSE
•2:40 Tree spray coverage & drift research update Dr. Richard Derksen, USDA-ARS

•3:15 Break
•3:20 Questions from participants
•3:30 Half rate pesticide trial in nursery applications & DRIFTSIM, a computer program for estimating drift Dr. Heping Zhu, USDA-ARS
•4:00 Q & A
•4:15 Wrap-up

***Program Abstract:** * Crop protection is an important issue not only for those producing crops but also for the public that expects a safe, inexpensive, and plentiful supply of food, ornamental and fiber crops. The tools that are available to protect crops for producers are diversifying. To take advantage of safer pest control agents for agricultural production, the agents must be delivered in a cost effective and efficacious manner. The Application Technology Research Unit (ATRU) at Wooster, Ohio conducts fundamental and developmental research on new and improved application technologies to protect floricultural, nursery, landscape, turf, horticultural, and field crops against damage from diseases, pests, and adverse environmental conditions, while safe-guarding environmental quality, food and worker safety. Research in semi-dwarf tree canopies has shown how the canopy influences movement of off-target spray material and how low-drift nozzles producing large droplets can provide similar spray deposits in a canopy but with some reduction in spray coverage. Application studies in nursery shade trees has shown how much shading across a canopy can significantly reduce deposits from one side of a canopy to another and why alternate-row spacing may not be an efficient application technique. A user friendly computer program (DRIFTSIM) developed by ATRU can assist spray applicators to estimate drift distances of pesticide sprays for a wide range of conditions including droplet size, discharge velocity and height, wind velocity, relative humidity and temperature. The program can help extension educators and farmers choose equipment, and adjust sprayer settings to minimize pesticide drift and improve the application performance.

Presenters: Drs. Richard Derksen and Heping Zhu. The presenters are leading agricultural engineers from the USDA-ARS Application Technology Research Unit (ATRU), Wooster, Ohio. The ATRU is the only USDA application research center in the United States to focus on ground application technology research. Agencies such as EPA rely on data from the center to help define regulatory guidelines and determine what technologies are effective in minimizing drift. University extension educators use their research findings as teaching materials for training spray applicators. This engineering group is involved with determining how to efficiently deliver sprays on the target area and where off-target sprays are deposited. In addition to their nursery and orchard work, they are also doing research in greenhouses, vegetables, soybean rust and aphid management, insect tracking, and how spray additives change droplet deposits on leaves.

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