



Tree Care Symposium 2012
Plant Stresses in the Environment
SCHEDULE at 1/23/2012

Friday, March 2, 2012

8 am – 3:40 pm

8 – 8:30 am Coffee; late registrations

8:30 am Welcome and Introductions

8:35 am Climate Change and Tree Biology

Joseph Murray, Blue Ridge Community College, City of Waynesboro, Va.

Dr. Murray looks at tree biology and how it responds to highs and lows in temperature and offers some suggestions on ways to mitigate injuries from rapid changes in temperature.

9:35 am State of the State Report: Insect Outbreak Status in Virginia

Debra Martin, Program Coordinator, Virginia Cooperative Pest Survey, Virginia Department of Agricultural and Consumer Services

Norman Dart, State Plant Pathologist, Commonwealth of Virginia

Debra Martin discusses the Emerald Ash Borer Survey and other insect pests of concern in Virginia and survey activity results from 2011, plans for the 2012 survey, a bio-control update and new research information. Norman Dart discusses the detection of Thousand Cankers Disease (TCD) of walnut and its vector, the Walnut Twig Beetle in Virginia. Dart discusses efforts to delimit its range in Virginia and the east coast (Tennessee, Virginia and Pennsylvania are the only states thus far to have detected it in the east) Norman Dart heads up all of VDACS plant disease related surveys and activities.

10:35 – 10:45 am STRETCH BREAK

10:45 am Do Stressful Times for Plants Mean Good Times for Bugs?

Dr. Michael J. Raupp, Professor, Department of Entomology, University of Maryland

Trees and shrubs growing in urban environments are subject to a wide variety of abiotic and biotic stressors including pollution, heat, and drought. Dr. Raupp explores the complex relationships between environmental stress, plants, insect pests, and the beneficial insects that attack pests in urban habitats. Options for mitigating adverse effects of plant stress is discussed.

10:50 am – 12:15 pm OUTDOOR ACTIVITY IN THE COLLECTIONS

12:15 – 1:00 pm LUNCH: In the Auditorium & Azalea Room

1:00 pm **Trees and Turf: An Antagonistic Relationship**
Joseph Murray, Consulting Arborist, Director, Arboriculture Program, Blue Ridge Community College, City of Waynesboro, Va.

Trees growing in lawns may look nice and, indeed, have become the norm for landscapes in the US, but this is not what nature intended. Sharing the same space, neither trees nor turf provide the maximum benefits proclaimed by their respective industries, at least not without the unsustainable practice of providing ecological subsidies. By better understanding their competitive strategies and roles in natural succession, arborists can speak more confidently about the necessity of keeping trees and turf apart

2:00 – 2:15 pm BREAK

2:15 pm **Final Comments & Wrap-Up with Speakers**

Speakers address comments from the audience and answer questions relating to topics of the day

3:15 pm END

This program is presented in cooperation with the Mid-Atlantic Chapter of the International Society of Arboriculture

ISA CEUs

This program is approved for International Society of Arboriculture Continuing Education Credits as follows:

Arborist:

Utility:

TW Climber Specialist:

Municipal

BCMA Science:

BCMA Practice:

BCMA Management:

Landscape
Architecture
Continuing
Education
System™

LA
/CES™

EDUCATION
PROVIDER

This program is registered for 5 LA CES HSW hours.

Lewis Ginter Botanical Garden is a Registered LA / CES Provider

Speakers (in alphabetical order)

Norman Dart is a graduate of the Washington State University Plant Pathology Department where he studied root diseases of Christmas trees. He joined the Virginia Department of Agricultural Consumer Services' Office of Plant & Pest Services as the State Plant Pathologist in June 2009. Prior to this, Norm worked at the State Plant Pathologist for West Virginia. He started his career serving the green industry as a research and extension specialist focusing on Sudden Oak Death (*Phytophthora ramorum*) for Washing State University. In Washington, he became highly involved in conducting research on *Phytophthora* in nursery systems.

Debra Martin has worked for the Virginia Department of Agriculture & Consumer Services in the Office of Plant Industry Services for more than 30 years, 20 of which were spent conducting field work as an Inspector involved in all aspects of insect, disease and weed detection in the state. As Virginia's Cooperative Agricultural Pest Survey program coordinator, she is responsible for planning, developing, managing and evaluating statewide invasive species surveys, export certification of plant products, and the nursery inspection program.

Joseph Murray is arboriculture program director at Blue Ridge Community College in Weyer's Cave, Virginia where he is also an assistant professor of biology and director of the arboretum. He is also an independent consulting arborist and arborist certification instructor for the Mid-Atlantic Chapter of the International Society of Arboriculture. He has published and lectured extensively in addition to his consulting work and teaching experience.

Michael J. Raupp, Professor, Department of Entomology, University of Maryland, College Park, MD 20472, mraupp@umd.edu. Mike is a professor and extension specialist at the University of Maryland at College Park. His extension programs provide training on the theory and practice of IPM to growers, landscape managers, master gardeners, and private citizens. He is a regular guest on *Good Morning America*, *NPR*, and many other news services. He has received several awards including the Secretary of Agriculture's Award for Environmental Protection. His most recent book, **26 Things that Bug Me**, explores the natural history of insects with young readers using photographs, rhymes, and the alphabet.

Registration Form, 2012 Tree Care Symposium, March 2, 2012

- Register online at: www.lewisginter.org. From the front page, click on the calendar link, then navigate to the event listing on March 2, 2012.
- Fax this form to: 804-262-0048. Faxes are received in a secure location.
- Register by phone at 804-262-9887 ext. 322 (weekdays 9 am – 5 pm)

Name			
Company			
Address			
City		State	Zip
Phone	Fax		
Email			
ISA member? (circle one) YES NO Other professional affiliation? (specify here):		Registered Landscape Architect? NO YES: If yes, provide ONE of the following ASLA MEMB NO. _____ CLARB REG NO. _____ VA REG NO. _____	
Please note any dietary needs here:			
<u>PROGRAM FEES: circle your plan choice</u>			
Full day registration (includes all sessions, morning coffee, lunch, and afternoon break)		\$90	
X Number to enroll: (for multiple enrollments, include names, company, plus any dietary needs on a separate sheet)			
<u>TOTAL FEE:</u>		\$	
<u>PAYMENT (check method used)</u>			
<input type="checkbox"/> Check enclosed, made out to 'LGBG Tree Care'			
Charge my: <input type="checkbox"/> MasterCard <input type="checkbox"/> VISA			
Number		Exp. Date	
Name on Card			
Signature			

Return this form to: Registrar
 Lewis Ginter Botanical Garden
 1800 Lakeside Ave.
 Richmond, VA 23228-4700

All programs subject to change.