

The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

Issues in Tree and Forest Health Care: Diagnosis and Treatment

September 5-6, 2012

Instructors: Kim Coder, Kamal Gandhi and Jean Williams-Woodward
Flinchum's Phoenix, 650 Phoenix Road, Athens, Georgia



WARNELL
SCHOOL OF FORESTRY AND NATURAL RESOURCES
THE UNIVERSITY OF GEORGIA

About the Program

This course will focus on key components of tree and forest health in Southern forested landscapes. In-depth topics will include insect threats, tree diseases, and abiotic stress factors such as soil compaction and drought.

Who Should Attend?

This course is for arborists, foresters, tree health care providers, urban/community foresters, landscape architects, landscape managers, nursery managers and others responsible for tree health care.

Registration Fees

The fee for this course is \$295, which includes instructional materials, two luncheons, and refreshment breaks. There is a \$50.00 discount for a fee paid by check or credit card and postmarked by August 15, 2012. Pre-registration must be accompanied by check, purchase order, or credit card number to guarantee a place in the course. Limited seating is available. The last day for registration is August 27. No walk-ins will be allowed.

Instructors

Dr. Kim D. Coder is Professor of Tree Biology and Health Care at the Warnell School of Forestry and Natural Resources, University of Georgia in Athens, Georgia, USA. Dr. Coder was elected world President of the International Society of Arboriculture by fellow professionals. In the last decade, he has received three of the tree health care professions highest world-wide, peer selected awards. Dr. Coder is author of over 450 technical publications and articles. He is an international lecturer and consultant to private citizens, corporations, attorneys, and communities on tree health care, tree biomechanics, abiotic tree stress, risk management, tree physiology, and community forest ecology. He has degrees from Iowa State University in forestry, tree biology, and forest ecology.

Dr. Kamal JK Gandhi is an Assistant Professor of Forest Entomology in the Warnell School of Forestry and Natural Resources. With more than 15 years experience in the field of forest health and protection, Dr. Gandhi has worked with a number of national and international universities, and various state and federal agencies. The mission of her laboratory at the Warnell School is to better understand the ecology of forest insects across ecosystems, and to assist with maintaining health and protecting forest stands from insects and diseases. She received her M.S. from the University of Alberta, and Ph.D. from the University of Minnesota.

Dr. Jean Williams-Woodward is an Associate Professor in the College of Agricultural & Environmental Sciences at the University of Georgia. Dr. Williams-Woodward is nationally recognized as a researcher and educator in woody plant pathology. Her work in tree-destroying pathogens has great national impact. She obtained her B.S. and M.S. degrees at the University of Wyoming and her Ph.D at the University of Minnesota.

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Course Itinerary

Wednesday, September 5, 2012

8:00-8:30 am Registration

8:30-10:00 Session I – Abiotic factors (Coder)

- Understanding key stressors and tree reactions
- Water attributes
- Drought and heat impacts
- Tree water use

10:00-10:30 Coffee Break

10:30-11:30 Session I Cont. – Abiotic Factors (Coder)

- Soil Compaction – the Hidden Killer

11:30-12:30 Session II - Harmful Forest Insects (Gandhi)

Introduction to forest insects and forest health issues in Southern forests

Defoliating and sap-sucking forest insects: identification, damage, and control (Gandhi)

- Major categories of damage caused by defoliating and sap-sucking insects.
- The major groups of defoliating and sap-sucking insects
- Recent case studies of common defoliating and sap-sucking insects and their management: eastern tent caterpillar, fall webworm, cicadas, scale insects

12:30-1:30 Lunch

1:30-3:00 Session II Cont. – Harmful forest insects (Gandhi)

Bark beetles, ambrosia beetles, and woodboring forest insects: identification, damage, and control

- Differentiating between damage from bark beetles, ambrosia beetles, and woodboring insects
- Major species of bark beetles, ambrosia beetles, and woodboring forest insects in the southern region
- Recent case studies of common bark beetles, ambrosia beetles, and woodboring insects and their management: southern pine beetle, pine engraver, black turpentine beetle, root collar weevil

3:00-3:30 Coffee Break

3:30-5:00 Session II Cont.– Harmful forest insects (Gandhi)

Old, new, and emerging exotic forest insects: identification, damage, and control

- What are exotic forest insects, and why do we need to pay close attention to them?
- Which are the major old, new, and upcoming exotic forest insects in the southern region?
- Case studies of exotic insects and their management: gypsy moth, hemlock woolly adelgid, European woodwasp, redbay ambrosia beetle, emerald ash borer

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Thursday, September 6, 2012

8:00-9:00 Session III – Sudden oak death update (Williams-Woodward)

- Phytophthora ramorum, cause of Sudden Oak Death (SOD) is still a concern and being recovered from streams in suburban areas. Symptom recognition, new hosts, federal regulations, and potential impact of the disease on Eastern forest and the urban/forest interface will be covered.

9:00-10:30 Session IV – Essential Elements of Tree Health (Coder)

- Element use
- Misdiagnosis
- Nitrogen enrichment issues

10:30-11:00 Coffee Break

11:00-12:00 Session IV Cont. – Lightning Impacts and Tree Health (Coder)

- Lightning Strength
- Tree damage
- Protection and treatments

12:00-1:00 Lunch (Last chance to speak with vendors)

1:00-2:30 Session V – Foliage diseases of hardwood and evergreen landscape trees (Williams -Woodward)

- What's that spot? Why are needled evergreen trees browning? Find out in this presentation on identification and management of foliage diseases of landscape trees

2:30-2:45 Coffee Break

2:45- 4:30 Session V Cont. – Wood decay fungi and canker diseases (Williams -Woodward)

- Identification of mushrooms and conks commonly associated with tree trunk and root decay in Georgia
- Identification and management of branch and stem canker diseases, as well as an update on thousand canker disease of black walnut: where it is, what to do about it.

4:30-4:45 Conclusion & Evaluations

4:45 Adjourn

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Continuing Education Credits

- 13.0 Continuing Forestry Education credit hours (applied for)
- 13.0 Continuing Logger Education credit hours (applied for)
- 13.0 Board Certified Master Arborists credit hours (to be applied for)
- 13.0 Certified Arborist credit hours (to be applied for)

Full Attendance is Mandatory to Receive Credit.

You may register using the form below, or register online at
<http://conted.warnell.uga.edu/courses/forest-health>
or by phone by calling Ingvar Elle
at 706-583-0566.

Registration Form

Name - please print

Preferred name for badge

☐ Business mailing address or ☐ Home address (please check one)

City State Zip County, if Georgia

Home phone Work phone Fax

Email address ☐ Please send me e-mails about other Warnell Continuing
Education programs.

Position Organization/employer

By registering for this event I agree to comply with all event and lodging cancellation policies.

Issues in Tree and Forest Health Care — Diagnosis and Treatment
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Early registration by August 15, 2012.....\$245.00

Fee Paid after August 15, 2012.....\$295.00

Total: \$ _____

Enclosed is a check # _____

(payable to Warnell School of Forestry and Natural Resources)

Your registration will not be processed until payment is received.

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Mail payment to:

Attn: Ingvar Elle
Warnell School of Forestry & Natural Resources
The University of Georgia
Athens, Georgia 30602

Cancellations:

Notice must be received by 5:00 p.m. August 22, 2012 for a refund. Contact Ingvar Elle at 706-583-0566.

Location, Directions, and Parking

The course will be held at Flinchum's Phoenix, 650 Phoenix Road, Athens, Georgia.

For a map and directions to Flinchum's Phoenix please go to Googlemaps.com and type in "650 Phoenix Road, Athens, Georgia."

Parking at Flinchum's Phoenix at Whitehall Forest is free of charge.

Special Services

Flinchum's Phoenix is handicap accessible.

If you require special services or dietary considerations, please contact Ingvar Elle at 706-583-0566 or e-mail him at ingvar@uga.edu prior to August 15, 2012.

Lodging

A block of rooms has been set aside at the Holiday Inn Express (706) 363-9958 in Athens for attendees of Issues in Tree and Forest Health Care. The hotel address is 513 West Broad Street, Athens, GA 30601. Rooms are \$80.00 plus %14 percent sales tax. Use code "WFH". Please reserve room by August 17, 2012.