

# 16<sup>th</sup> Ornamental Workshop on Diseases and Pests



## Plant Pathology Program

Kanuga Conference Center  
Hendersonville, NC  
September 22 - September 26, 2008



### Monday: September 22, 2008

4:00- 6:00 PM **Registration** (Kanuga Lake Inn, Cunningham Lobby)

6:00 – 7:00 Dinner

7:00 –10:30 Entertainment & Social (Waterfront Pavilion)

### Tuesday morning: September 23

8:00 – 8:45 AM Breakfast

9:00 – 9:10 **Announcements** (Balthis-Rodwell Building)

9:10 – 9:20 **Welcome** -- Dr. James Moyer, Head, Department of Plant Pathology, NC State University, Raleigh

Plenary Session: "Ornamental Pests & Diseases – Vectors & Viruses" Stephen Bambara, Moderator

9:20 – 10:05 **Vectors.** Raymond Cloyd, Department of Entomology, Kansas State University, Manhattan

10:05 – 10:50 **Viruses.** James Moyer, Department of Plant Pathology, NC State University, Raleigh

10:50 – 11:10 Break

11:10 – 12:15 **Joint poster session** (titles listed at end of program)

12:30 – 1:15 Lunch

"What's New with Virus Diseases and Vectors" Jim Moyer, Moderator (Balthis-Rodwell Bldg.)

1:30 – 1:45 **Hosta Virus X in Ohio.** Dennis Lewandowski, Ohio State

1:45 – 2:00 **Symptom Variation in Ornamental Viruses.** A.Ian Windham, Tennessee

2:00 – 2:15 **The Reluctant Pathologists.** Alan Blowers, Ball Horticultural

2:15 - 2:30 **Chili thrips – a New Threat.** Scott Ludwid, Texas A&M

2:30– 2:45 **Freesia Sneak Virus.** Mary Ann Hansen, Virginia Tech

2:45 - 3:00 Break

"Emerging Pathogen Update from ICPP -2008 (Turin)" Margery Daughtrey, Moderator

3:00 – 3:15 **Foliar Pathogens.** Margery Daughtrey, Cornell

3:15 – 3:30 **Soilborne pathogens.** Mike Benson, NCSU

"International Symposium on Rhizoctonia." Warren Copes, ARS, Moderator

3:30 – 3:45 **Rhizoctonia sp. in Bark and Canopies of Containerized Azalea.** Warren Copes, ARS, Mississippi

3:45 – 4:00 **Rhizoctonia Web Blight Development on Container-grown Azalea.** Warren Copes, ARS, MS

4:00 – 6:00 Free time, or **Phytophthora diagnostics** with Kelly Ivors

Hosted by the Department of Plant Pathology and the Department of Entomology  
College of Agriculture and Life Sciences  
North Carolina State University

# Ornamental Workshop -- Diseases and Insects --Plant Pathology Program --

6:00 Dinner

"New Crops and New Diseases" Alan Windham, Tennessee, Moderator (Balthis-Rodwell Bldg.)

7:30 – 8:30 **New diseases.** bring images, unknowns welcome  
**"Diseases of Herbaceous Perennials"**, Mark Gleason, Iowa  
**Indiana reports: *Ralstonia* & *Phytophthora***, Gail Ruhl, Purdue

8:30 – 10:30 Social (Kanuga Lake Inn -- Johnson Fireplace Lounge/Rocking Chair Porch)  
Moon Pie Decorating Contest – (Bring or decorate a Moon Pie. Prize for best Moon Pie)  
Prizes awarded to best insect and best disease Moon Pie Wednesday night.

## Wednesday morning: September 24<sup>th</sup>

8:00 - 8:45 Breakfast

"Diseases and Disease Control" Mike Benson, Moderator (Balthis-Rodwell Bldg.)

9:00 – 9:15 **Injections for Oak Bacterial Leaf Scorch.** Brenda Kennedy, Kentucky  
9:15 – 9:30 **Phytophthora Control in Irrigation Systems.** Curt Colburn, Clemson  
9:30 – 9:45 **Phytophthora Fungicides and the IR4 Program.** Mary Hausbeck, Michigan State  
9:45 – 10:15 **Industry updates.** Company representatives  
10:15 – 10:45 **IR4 Ornamentals Program & 2009 Priorities.** Cristi Palmer, IR4 Program Manager, Rutgers

10:45 – 11:00 Break

"What's New with Downy Mildews" Margery Daughtrey, Moderator (Balthis-Rodwell Bldg.)

11:00 – 11:15 **Downy Mildew Taxonomy and Ornamentals.** Bob Trigiano, Tennessee  
11:15 – 11:30 **Epidemics, Detection, Management.** Margery Daughtrey, Cornell  
11:30 – 11:45 **Downy Mildew, Cultivars, & Fungicides.** Mary Hausbeck, Michigan State

'What's New with Diagnostics' (Balthis-Rodwell Building), tba Moderator

11:45 – 12:00 **NPDN Progress and Limitations.** Karen Snover-Clift, Cornell  
12:00 – 12:15 **LAMP for Rapid Detection or *Rhodococcus fascians*.** Maryna Serdani, Oregon State  
12:15 – 12:30 **Detection of *Phytophthora* in the Diagnostic Lab.** Julie Beale, Kentucky

12:30 Lunch

1:30 – 6:00 Free time – Fungal & Bug foray, hiking, paddling, napping

6:00 Dinner

Social (Kanuga Lake Inn -- Johnson Fireplace Lounge/Rocking Chair Porch)

7:30 – 10:30 **Pest ID 101 and Kanuga Konfusion Band** (a.k.a. Crossnore Philharmonic)  
Dress to test your colleagues' knowledge of pests and pathogens  
Play a musical instrument or think you do? Bring it along and jam.  
Moon Pie decorating contest results with not even vaguely valuable Prizes!

## Thursday morning: September 25<sup>th</sup>

8:00 - 8:45 Breakfast

"What's New with Phytophthora Diseases" Kelly Ivors, NCSU, Moderator

9:00 – 9:15 **Navigating the Phytophthora Database.** Kelly Ivors, NCSU  
9:15 – 9:30 **Specialization of *P. nicotianae* in Floriculture Crops.** Steve Jeffers, Clemson  
9:30 – 9:45 **Phytophthora in Floriculture Crops – A Survey.** Heather Olson, NCSU  
9:45 – 10:00 **An Alternative System for Phytophthora Control in Christmas Trees.** Brantlee Richter, NCSU  
10:00 – 10:15 **Nursery detections of *P. ramorum* on the East Coast.** Jaesoon Hwang, Clemson  
10:15 – 10:30 **Evolution and migration of *P. ramorum*.** Niklaus Grunwald, USDA, ARS, Oregon State  
10:30 – 10:45 **Phytophthora Resistant Chestnuts.** Steve Jeffers, Clemson

Hosted by the Department of Plant Pathology and the Department of Entomology  
College of Agriculture and Life Sciences  
North Carolina State University

# Ornamental Workshop -- Diseases and Insects --Plant Pathology Program --

10:45 – 11:00 Break

11:00 – 11:15 ***Phytophthora kernoviae* lurks over the pond.** Mike Benson, NSCU

## Contributed Presentations. tba, Moderator

11:15 – 11:30 **Blackspot and Cercospora Resistant Roses for the Southeast.** Jimmy Mynes, Tennessee

11:30 – 11:45 **Chrysanthemum White Rust.** Jane Trolinger, Yoders

11:45 – 12:00 **PCR Diagnostics for *Puccinia horiana*.** Kerry Pedley, ARS, Ft. Detrick

12:00 - 12:15 **Latent Diplodia Infections Waiting to Explode.** Shawn Bernick, Rainbow Treecare Sci.Adv., MN

12:30 – 1:15 Lunch

## Contributed Presentations. tba, Moderator

1:30 – 1:45 **Foliar Diseases of Ornamental Switchgrass.** Mark Windham, Tennessee

1:45 – 2:00 **Foliar Disease Resistance in Hydrangea.** Mark Windham, Tennessee

2:00 – 2:15 **Diplodia Tip blight of Landscape Austrian Pines.** Paul Bachi, Kentucky

2:15 – 2:30 **Gladiolus rust.** James Buck, Georgia

2:30 – 2:45 **Rapid Assay for Resistance to *S. rolfsii* var. *delphinii* in Hosta.** Mark Gleason, Iowa

2:45 – 3:00 Break

3:00 – 3:15 **Dogwood Susceptibility to *Discula destructiva*.** Ken Cheng, Tennessee

3:15 – 3:30 **Fungicide Resistance in *Corynespora cassicola* on African Violets.** Justin Clark, Tennessee

3:30 - 3:45

3:45 – 4:00

## Special Joint Session: Image management and Internet tools, Joe LaForrest, University of Georgia (Gooch Bldg)

4:00 – 4:30 **Do you GIF a darn? Important Graphics File Information you Should Know.** Joe LaForrest, UGA

4:30 – 5:00 **Wiki Workshop. Using the Wiki as an Educational Tool in Ornamentals.** Joe LaForrest, UGA

6:00 Dinner

7:30 –8:30 **Best images: Entomology vs. Plant Pathology, Round 3**

8:30 – 10:30 Social (Kanuga Lake Inn -- Johnson Fireplace Lounge/Rocking Chair Porch)

## Plant Pathology Poster Titles

**RT-PCR Detection of Elm Yellows Phytoplasma in Leafhoppers and Elms.** G. Moorman and P. Herath. Penn State.

**The Clemson Extension Home & Garden Information Center: Who We Are & What We Do.** J. Blake, Clemson

**Effects of Shading on Cercospora Leaf Spot in Bigleaf Hydrangea.** Y. Li et al., Tennessee

**Toxicity of commercial algacides to *Phytophthora ramorum*.** C. Colburn and S. Jeffers, Clemson

**Effects of sanitation with a bleach solution on daylily and hosta growth.** C. Robayo and S. Jeffers, Clemson

**Variation in population density and diversity of *Phytophthora* species in streams within a forest watershed.** J. Hwang, S. Oak, and S. Jeffers, Clemson and US Forest Service

**ZeroTol use patterns on plants.** W. Copes, ARS, Mississippi

**Survival analysis in determining the incubation period of camellia twig blight.** W. Copes, and JL Thomson, ARS, Mississippi

**Dispersal gradient of *Aphelenchoides fragariae* in the woody ornamental *Lantana camera*.** L. Kohl & M Benson

**A Systems Approach for Managing Phytophthora Diseases in Production Nurseries.** J. L. Parke<sup>1</sup>, N. J. Grünwald<sup>2</sup>, C. Lewis<sup>1</sup>, and V. Fieland<sup>2</sup>, <sup>1</sup> Oregon State University, Corvallis, OR and <sup>2</sup> USDA-ARS Horticultural Crops Research Laboratory, Corvallis, OR

**Genotypic diversity of *Phytophthora ramorum* in U.S. nurseries.** Erica M. Goss, Meg Larsen, & Niklaus J. Grünwald, Horticultural Crops Research Laboratory, USDA ARS, Corvallis, OR

Entomology Poster Titles (see [Entomology Program](#))

Hosted by the Department of Plant Pathology and the Department of Entomology  
College of Agriculture and Life Sciences  
North Carolina State University

# Ornamental Workshop -- Diseases and Insects --Plant Pathology Program --

A special 'thank you' to the workshop sponsors:



Hosted by the Department of Plant Pathology and the Department of Entomology  
College of Agriculture and Life Sciences  
North Carolina State University