
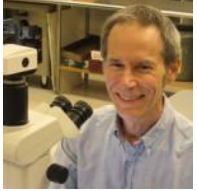


# 2011 Plants, Pests and Pathogens

**Tuesday, February 22, 2011**

10:05am	Regional Update: Coastal Plains: Bob Filbrun, Edgecombe County Horticulture, Apiculture, Local Foods Initiative & Forestry Green Thumbs on Wheels	 Bob Filbrun
10:10am	Regional Update: Piedmont David Goforth Cabarrus County, Horticulture	 David Goforth
10:15am	Regional Update: Mountain/Foothills Cliff Ruth, Commercial Horticulture, Henderson & Transylvania Counties Weed Scouting Class	 Cliff Ruth
10:20am	<b>Featured Speaker:</b> Hannah Burrack Assistant Professor of Entomology & Extension Specialist, Tobacco and Small Fruits	 Hannah Burrack

10:58am	<p style="text-align: center;"> <a href="#">Show Stopper Plants</a>            Winter Series Camellias            John Vining, Polk County         </p>	 John Vining
11:00	<p style="text-align: center;">           Entomology            David Stephan            NC State Plant Disease and Insect Clinic            Insect identification specialist            40 years of experience         </p> <p>           Special focus on houseplant pests            Broad mite (<i>Polyphagotarsonemus latus</i>) and cyclamen mite (<i>Phytonemus pallidus</i>)            Spider mites (<i>Tetranychus</i> sp.)            Aphids (Family Aphididae), including the green peach aphid (<i>Myzus persicae</i>)            Greenhouse whitefly (<i>Trialeurodes vaporariorum</i>)            Brown soft scale (<i>Coccus hesperidum</i>)            Hemispherical scale (<i>Saissetia coffeae</i>)            Citrus mealybug (<i>Planococcus citri</i>)            Longtailed mealybug (<i>Pseudococcus longispinus</i>)            Western flower thrips (<i>Frankliniella occidentalis</i>)            Darkwinged fungus gnat (<i>Bradysia</i> sp.)            Images submitted by our audience            Chrysalis of viceroy or red-spotted purple            Noctuid moth caterpillar on <i>Solidago</i> inflorescence            Sulfur butterfly (<i>Colias</i> sp.)            Pyralid moth caterpillar on <i>Monarda</i> leaf         </p>	 David Stephan

11:35

Current Issues in Plant Pathology  
Mike Munster  
Plant Disease & Insect Clinic  
Plant pathologist, diagnostician  
commercial ornamentals  
(nurseries & greenhouses)

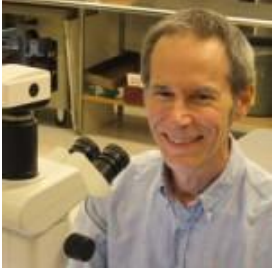

Viruses on woody plants  
Cucumber mosaic virus on dwarf nandina  
Rose mosaic  
Rose rosette  
Infectious variegation of camellia (Camellia yellow mottle virus)  
Fig mosaic virus(es)?  
Not in North Carolina: Plum pox virus  
Unsolved mysteries  
Galls on Forsythia  
Dead branch tips on Cryptome





Mike Munster

## Tuesday, April 26th, 2011

10:05am	Regional Update: Coastal Plains: Anne Edward Carteret County	
10:10am	Regional Update: Piedmont Donna Teasley Burk County	
10:15am	Regional Update: Mountain/Foothills: Mark Blevins Gaston County	 Mark Blevins
10:20am	<b>Featured Speaker:</b> <b>Peter Hertl</b> <b>Research Assistant, Entomology</b> <b>Organic Management of Vertebrate Pests in the</b> <b>Landscape</b>	 Peter Hertl
10:58am	<a href="#"><u>Show Stopper Plants</u></a> Venus Sweetshrub Mark Blevins Gaston County	

11:00	<p>Current Issues in Entomology David Stephan Plant Disease &amp; Insect Clinic Insect identification specialist</p> <p>Horsehair worms, a.k.a. Gordian worms, Phylum Nematomorpha Carpenterworms, including the little carpenterworm (<i>Prionoxystus macmurtrei</i>) Cankerworms, including the fall cankerworm (<i>Alsophila pometaria</i>) Caterpillar hunters (beetles) <i>Calostoma scrutator</i> <i>Calostoma wilcoxi</i> Holly pit scale (<i>Asterodiaspis puteanum</i>) Sooty mold on American holly Juniper webworm (<i>Dichomeris marginella</i>)</p>	 <p>David Stephan</p>
11:45	<p>Current Issues in Plant Pathology Mike Munster Plant Disease &amp; Insect Clinic Plant pathologist, diagnostician commercial ornamentals(nurseries and greenhouses)</p> <p>Special presentation by Shawn Butler on laurel wilt, recently confirmed in North Carolina Fire blight (<i>Erwinia amylovora</i>) Shot-hole in <i>Prunus</i> Bacterial leaf spot (<i>Xanthomonas</i>) Cherry leaf spot (<i>Blumeriella jaapii</i> - fungus) Peach leaf curl (<i>Taphrina deformans</i>) Abiotic leaf spot (possibly Mg deficiency) on pepper transplants Bacterial leaf spot of pepper and tomato (<i>Xanthomonas</i> spp.) Comment on news of downy mildew on squash transplants at a Charleston, SC “big box” store</p>	 <p>Mike Munster</p>

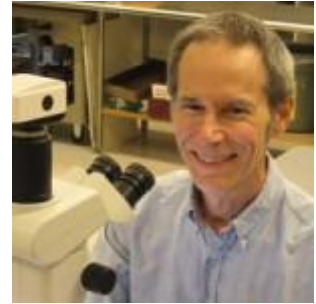
## Tuesday, June 28th, 2011

10:05am	Regional Update: Coastal Plains: Charlotte Glen, Pender	
10:10am	Regional Update: Piedmont Aimee Rankin Anson County	 Aimee Rankin
10:15am	Regional Update: Mountain/Foothill Diane Turner Henderson County	
10:20am	<b>Beneficial Insects &amp; Organic Pest Management</b>  Featured Speaker: David Orr Associate Professor, Entomology, Biological Control of Field Crops	 David Orr
10:58am	<a href="#"><u>Show Stopper Plants</u></a> Kousa Dogwood Mark Blevins, Gaston County	


11:00

Current Issues in Entomology  
David Stephan  
Plant Disease & Insect Clinic  
Insect identification specialist

Eyed Click Beetle or Eyed Elater, *Alaus oculatus*  
Robber Fly, family Asilidae, *Laphria* sp.  
Giant Water Bug, family Belostomatidae, *Lethocerus* sp.  
Diaspidid Scale, *Abgrallaspis* sp., on Oakleaf Hydrangea  
Darkwinged Fungus Gnat, *Bradysia picea* (Rubsamen)  
Longlegged Fly, family Dolichopodi-dae, *Condylostylus* sp.  
Elderberry Borer, *Desmocerus palliatus* (Forster)  
Buthid Scorpion, *Centruroides* sp. prob. *vittatus* (Say)  
Buthid Scorpion, *Centruroides hentzi* (Banks)  
Carolina Wolf Spider, *Hogna carolinensis* (Walckenaer)  
"Brown Prionus," *Orthosoma brunneum* (Forster)  
European Hornet, *Vespa crabro* L., damage on *Elaeagnus*



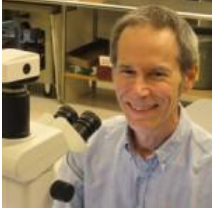

David Stephan

11:30	<p>Current Issues in Plant Pathology Mike Munster Plant Disease &amp; Insect Clini Plant pathologist, Diagnostician commercial ornamentals (nurseries and greenhouses)</p> <p>Dutch elm disease (caused by <i>Ophiostoma ulmi</i> and <i>O. novo-ulmi</i>) Slime molds "Dog-vomit slime mold", <i>Fuligo septica</i> <i>Physarum cinereum</i> <i>Stemonitis</i> sp. The "peat mold", <i>Chromelosporium ollare</i> (<i>Peziza ostracoderma</i>) Small pears on rootstock suckers Two tomato diseases Septoria leaf spot Buckeye rot (<i>Phytophthora nicotianae</i>) Fasciation Cucurbit diseases</p>	 <p>Mike Munster</p>
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## Tuesday, August 23rd, 2011

10:05am	Regional Update: Coastal Plains Cyndi Lauderdale Wilson County	
10:10am	Regional Update: Piedmont: Mary Helen Ferguson Randolph County	
10:15am	Regional Update Mountain/Foothills: John Vining, Polk County	
10:20am	<b>Organic Disease Management for garden vegetables Featured Speaker: Frank Louws Professor and Extension Specialist Plant Pathology</b>	 <p>Frank Louws</p>
10:58am	<a href="#"><u>Show Stopper Plants</u></a> Climbing Hydrangea John Vining, Polk County	 <p>John Vining</p>

11:00	<p style="text-align: center;">Current Issues in Entomology David Stephan NC State Plant Disease &amp; Insect Clinic</p> <p>Cypress Twig Gall Midge (<i>Taxodiomyia cupressiananassa</i>)  A Rhopalid Bug (<i>Niesthrea louisianica</i>)  Leaffooted Bug (<i>Leptoglossus</i> sp.)  Zebra Swallowtail (<i>Eurytides marcellus</i>)  Squash Beetle (<i>Epilachna borealis</i>)  A Cerambycid Beetle (<i>Physocnemum andreae</i>)  Katydid (Family Tettigoniidae)  multiple bee and wasp species on the invasive porcelainberry  (amur peppervine), <i>Ampelopsis</i>  <i>brevipedunculata</i>  a word about spider/magic/hurricane Lilies (<i>Lycoris</i> spp.)</p>	 <p>David Stephan</p>
11:30	<p style="text-align: center;">Current Issues in TurfLee Butler Plant Disease &amp; Insect Clinic Turf pathologist, Diagnostician</p> <p style="text-align: center;">Fairy ring Spring dead spot</p>	 <p>Lee Butler</p>

11:30

Current Issues in Plant Pathology  
Mike Munster  
Plant Disease & Insect Clinic  
Plant pathologist, Diagnostician

Impressaria damage on landscape trees, esp. conifers  
Leaf spot comparisons  
On English ivy  
anthracnose (*Colletotrichum trichellum*)  
bacterial leaf spot (*Xanthomonas* sp.)  
On red maple  
anthracnose (*Discula* sp.)  
Phyllosticta leaf spot  
On bigleaf hydrangea  
old drought injury  
Cercospora leaf spot  
Leaf spots caused by cercosporoid fungi  
Cercospora on rose  
Pseudocercospora on ligustrum  
Passalora sequoiae on Leyland cypress and relatives  
Peony problems  
Discosia leaf spot  
Peony leaf blotch (a.k.a. Measles) caused by *Cladosporium paeoniae*  
Rhizoctonia stem rot



Mike Munster

## Tuesday, October 25th, 2011

**note, the recording was started 10 minutes early so the first 10 minutes are blank, just move the cursor to the 10 minute mark, in addition the Media box pops up, just move it to the side so you can see the screen)**

10:05am	Regional Update: Piedmont Mark Danielly, Alamance	
10:10am	Regional Update: Mountain/Foothills Eric Caldwell, Transylvania	 Eric Caldwell
10:15am	<b>Featured Speaker:</b> Joe Neal Professor and Extension Specialist, Weeds Organic Prevention and Management of Weeds in the Landscape	 Joe Neal
10:58am	Show Stopper Plants  Japanese Plum Yew  Mark Blevins, Gaston County	

11:00

Current Issues in Entomology

David Stephan

NC State Plant Disease and Insect Clinic

Insect identification specialist

40 years of experience in the Clinic

The Orb Spiders, family Araneidae

White Micrathena (*Micrathena mitrata*)

Arrowhead Spider (*Verrucosa arenata*)

Yellow Garden Spider (*Argiope aurantia*)

Orb Spider (*Neoscona hentzi*)

Marbled Orb Spider (*Araneus marmoreus*)

Golden Silk Orb Spider (*Nephila clavipes*)

Whitebanded Crab Spider (*Misumenoides formosipes*)

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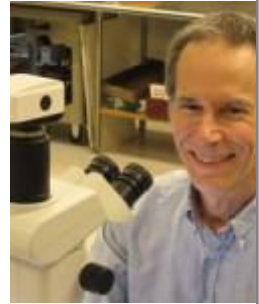
Ant (*Formica integra*)

Velvet Ant (*Dasymutilla occidentalis*) – actually a wasp!


Glowworm (*Phengodes* sp.)

Azalea Caterpillar (*Datana major*)

Cambarid Crayfish (*Cambarus latimanus*)



David Stephan

11:30	<p>Current Issues in Plant Pathology</p> <p>Mike Munster</p> <p>Plant Disease &amp; Insect Clinic</p> <p>Plant pathologist, Diagnostician</p> <p>commercial ornamentals</p> <p>(nurseries and greenhouses) Announcement of new publication: AG-747 Suggested Plant Species for Sites with a History of</p> <p>Phytophthora Root or Crown Rot</p> <p>Wood Decay in Trees</p> <p>General concepts</p> <p>Some easily recognizable wood decay fungi</p> <p><i>Stereum complicatum</i></p> <p><i>Trametes versicolor</i> (turkey-tail)</p> <p><i>Ganoderma</i> spp.</p> <p><i>Pseudoinonotus dryadeus</i> (the weeping polypore)</p> <p><i>Herichium erinaceus</i> (the Hedgehog "mushroom")</p> <p><i>Armillaria</i> root rot (and wood decay)</p> <p>Papaya ringspot potyvirus causing dramatic ringspots on watermelon fruit</p>	
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