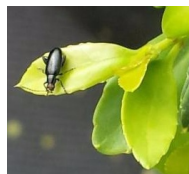


Eastern Region Nursery and Greenhouse Program
Danny Lauderdale, Area Specialized Agent



Eastern NC Nursery and Greenhouse News

December 2018

Find the latest information about nursery and greenhouse production in Eastern NC below!

Visit Danny's Website

February 12, 2019 Eastern NC Nursery Conference Registration Now Available

It is time again to prepare to attend the Eastern NC Nursery Conference at the Wilson Ag Center, 1806 SW Goldsboro Street, Wilson, NC 27828 on February 12, 2019. There is a great agenda with topics on water quality by Dr. Anthony LeBude, IPM by Dr. Steve Frank, fertilization by Dr. Jim Owen, Farm Service Agency's Tree Assistance Program (TAP) by Rob Satterfield, and of course red headed flea beetles (new research updates) by myself. You will be able to visit with our sponsors during registration, breaks, and lunch. Lunch will be catered by the Filling Station and will be fried shrimp with chicken option and fixins. \$25 preregistration is must be postmarked by February 5. A printable registration flyer can be found at <http://go.ncsu.edu/2019ENCNC>.

Organized by:
Danny Lauderdale, Area Specialized Agent,
Nursery and Greenhouse - Eastern Region
For more information:
danny_lauderdale@ncsu.edu 252-714-0274

Eastern NC Nursery Conference
February 12, 2019
Wilson County Agricultural Center
1806 SW Goldsboro St.
Wilson, NC 27893
252-237-0111

Alternate date in case of inclement weather: 2/19/2019

2 hours of NC Pesticide Recertification Credits in D, I, L, N, O, and X

7:45 am Sponsor Setup
8:15 am Registration, Continental Breakfast, and Networking
8:45 am Welcome and Sponsor Introductions
9:00 am Is Your Pond Water Affecting Plant Growth? Dr. Anthony LeBude, NC State University
10:00 am Networking Break and Refreshments
10:30 am Farm Service Agency Assistance Programs, Rob Satterfield, FSA Supervisory Program Specialist
11:00 am Developing an IPM Program, Dr. Steve Frank, NC State University
12:00 pm Lunch and Networking
1:30 pm Nursery Fertility, Research and Observations, Dr. Jim Owen, Virginia Tech
2:30 pm Networking Break and Refreshments
3:00 pm Red Headed Flea Beetle Update, Danny Lauderdale, NC Cooperative Extension
4:00 pm Adjourn and Recertification Credits

Participant Registration: Eastern NC Nursery Conference, February 12, 2019

Company Name: _____
Participant(s) Name: _____
Mailing Address: _____
Phone: _____ Fax: _____ Email: _____

\$25 per person includes educational presentations, refreshments, and lunch. Registration only accepted with payment and is non-refundable. Pre-registration must be post marked by February 5 and mailed to: Eastern NC Nursery Conference, 1806 SW Goldsboro St., Wilson, NC 27893. Registration after Feb. 5 will be \$40 at the door. Make checks payable to Wilson County Ag Center. (List all participants and include a separate sheet if needed.)



January 29, 2019 NC Greenhouse PourThru Workshop



Learn why a greenhouse nutrition monitoring program is important, how to set it up, the equipment required, and the steps for testing. You can even bring some of your own plants for testing that day! As mentioned on the flyer it is limited to the first 25 grower participants so contact me before mailing in registration at danny_lauderdale@ncsu.edu. Thanks to Dr. Brian Whipker for organizing the educational sessions. Registration cost is \$25 and must be sent along with the form on the flyer by

January 15. The schedule and registration flyer can be found at:

[2019 NC Greenhouse PourThru Registration Flyer](#)

Give Input to Shape NC Nursery & Greenhouse Programs

As I prepare for 2019 and beyond I am asking for your input. We at NC Cooperative Extension are organizing a Horticulture Program Team. As part of this effort I am involved with the Nursery & Greenhouse Working Group. Extension Agents and Specialists will be meeting soon to discuss plans for strengthening statewide programs to better serve nursery and greenhouse growers. In this regard I am asking that you (nursery and greenhouse growers) send me, danny_lauderdale@ncsu.edu, your top issue that NC Cooperative Extension can work on to make your operation or the industry more successful. Please indicate if the issue is nursery or greenhouse related and send to me by Friday, December 14 at 5 pm.

Cryptomeria japonica Production Challenges

Cryptomeria japonica, Japanese cedar, is a plant often used as one alternative to leyland cypress. During my first 3 years in this position I have discussed the production challenges of this plant with many growers and in previous years I have seen many issues in the landscape. As a result, I asked the NC State Plant Disease and Insect Clinic to provide me with a summary of diagnoses in their database. Here are the results from 2008 through 2017.



The Japanese cedars in this image have damage from borers.

113 total samples (2008-2017):

- 52% Unknown/abiotic, no pathogen, cultural, environmental, low pH, or herbicide injury)
- 9% Borer (beetle or weevil)
- 9% Root rot
- 9% scale (mostly Maskell scale)
- 6% dieback, blight, canker
- 5% Nematodes (dagger and lesion)
- 5% Sapsucker or woodpecker
- 5% Other insects, spiders, and mites

The summary shows that most of the problems are abiotic, cultural, environmental, or production related. In that regard I referred to Michael Dirr's [Manual of Woody Landscape Plants](#) under culture. It says, "...prefers a rich and deep, light, permeable, acid soil with abundant moisture; open, sunny location, shelter from high winds...". Most of the problems I have seen in the landscape over the years were borers (cypress weevil and others), poor drainage, and planting too deep. So based on this and other observations, my thoughts are to ensure proper potting or planting depth, good drainage in field or pot in pot production

(sites should be well drained throughout the year), select sites with wind protection, use micro irrigation in both container and field production, ensure pH is in a range of 5.0-7.0, and be careful with herbicides by making directed applications or hooded applications with products this plant is tolerant to. Some herbicide resources can be found at:

<https://content.ces.ncsu.edu/preemergence-herbicides-registered-for-use-on-woody-ornamentals>

<https://content.ces.ncsu.edu/postemergence-non-selective-herbicides-for-landscapes-and-nurseries>

<https://content.ces.ncsu.edu/postemergence-herbicides-registered-for-use-on-woody-ornamentals>

Pesticide disclaimer: Recommendations for the use of agricultural chemicals are included in this publication as a convenience to the reader. The use of brand names and any mention or listing of commercial products or services in this publication does not imply endorsement by NC Cooperative Extension nor discrimination against similar products or services not mentioned.

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The Eastern Region Nursery and Greenhouse Program at NC Cooperative Extension is your source for research-based production information for greenhouse and nursery crops in Eastern North Carolina.

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STAY CONNECTED:

