

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



## Eastern NC Nursery News

July 2019

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

Visit Danny's Website

### IR-4 Program Seeking Help with Research Priorities

The IR-4 program is seeking your input to shape priorities of environmental (ornamental) horticulture plants related to pest management. Here is their call to action:

"This biennial survey is the best way to tell us generally and specifically what disease, pest, and weed problems you face that you have a difficult time managing because you do not have sufficient management tools. Please fill out this Grower & Extension Survey which you may complete anonymously below!"

<https://www.ir4project.org/ehc/ehc-registration-support-research/env-hort-grower-needs/>

This survey closes July 31, 2019.

### Yellow Poplar Weevil

Over the past couple of months I have received images, phone calls, and questions about damage to yellow poplars and magnolias in field and container nurseries that looks like the image to the left. This damage is from



Damage on *Magnolia grandiflora* from yellow poplar weevil.

<https://entomology.ces.ncsu.edu/2015/06/yellow-poplar-weevils/>

<https://entomology.ca.uky.edu/ef414>

feeding of the yellow poplar weevil. We don't usually see as severe of damage from this insect as we have this year. This years adults have moved to the trash and debris in the top of containers or on the soil surface around field grown plants, are not feeding, and are in a state of rest until next spring.

Check swelling leaf buds next spring starting around late March to early April to detect overwintered adults that have flown up into plants to feed. New adults hatch in late May and feed to early to mid-June. Here are a few links to life cycle and management information:

<http://enpp.auburn.edu/outreach/web-publications/yellow-poplar-leaf-mining-weevil/>

## University of Tennessee Rose Disease Fact Sheet

Dr. Alan Windham and Dr. Mark Windham of the Department of Entomology and Plant Pathology at the University of Tennessee have just released a new factsheet on rose diseases:

<https://extension.tennessee.edu/publications/Documents/W833.pdf>

## Red Headed Flea Beetle Update

Adult red headed flea beetles will be present for most of the rest of the growing season in eastern NC now that all of the area is over 2700 GDD.

Stay vigilant with scouting and management applications.

If you want to monitor GDD yourself try one of these sites:

<http://uspest.org/cgi-bin/ddmodel.us>

<http://www.greencastonline.com/growing-degree->



**Itea flushing after shearing and systemic drench treatments.**

[days/home](#)

I have posted links to several informational resources about RHFB on my [website](#).

### **JULY RESEARCH UPDATE:**

The current foliar demonstration project working with spray applied systemic foliar products in combination with contact insecticides has been through the entire first contact spray cycle. The demonstration compared cyantraniliprole, imidacloprid, dinotefuran, and thiamethoxam pre-adult emergence foliar treatments with a contact foliar rotation of chlorpyrifos, carbaryl, acephatete, and bifenthrin. There were also treatments with a combination of each systemic and the contact rotation. Every treatment had unacceptable damage (probably due to the fact that there was heavy insect pressure, the systemics were foliar applied and not drenched and the contacts were only applied every two weeks). Based on this I have gone ahead and sheared back the plants, applied the systemic insecticides as drenches and am now doing weekly contact applications. The control is much better now and the combination of systemics plus contact insecticides is providing the best protection. Early on, the dinotefuran plus contact rotation is looking the best which is to be expected since dinotefuran has the fastest uptake of any of the systemics being used. So the new plan for a trial of this type next year is to compare drench applications of systemics made prior to first generation egg hatch with granular applications plus the combination of a contact insecticide rotation.

If you have questions about controlling RHFB, need help getting started monitoring GDD, or want to develop an Integrated Pest Management Plan for this insect, contact me and we can work on a management plan for your situation.

### **August Tour Update**

Due to scheduling conflicts, the grower tour to the Central Region was not able to be put together this year. We will attempt to put another tour together next year...stay tuned and provide input to locations or growers you would like to visit as a group.

### **February 11, 2020 Eastern NC Nursery Conference**

Save this date to learn about Nursery Weed Management, Scale Management, Diseases of Needle-leaved Evergreens, and Nursery Tree Pruning.

**Sponsor opportunities are available.** Contact [Danny](#) if you are interested in being a sponsor.

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North Carolina.

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