

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



Eastern NC Nursery News June 2020

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

Visit Danny's Website

Fungicide Efficacy Tables

With all the rain we have had over the past few weeks I am sure that fungal diseases are on the minds of many growers. So here is a link to the table for [Relative Effectiveness of Various Chemicals for Disease Control of Ornamental Plants](#). This is one of many pest management resources for nursery growers that can be found at: [Bugwood Southern Nursery IPM](#).

Red Headed Flea Beetle Update

We have reached at least 1500 GDD based on 50 degrees fahrenheit as the base temperature in all locations of eastern NC. This should mean that the warmest areas of eastern NC may already have second generation larvae. Here are a few examples of GDD as of Monday, June 22:

Elizabeth City : 1537
Raleigh: 1583.5
Tarboro: 1678
Greenville: 1714.5
Rocky Mount/Wilson: 1738.5
Fayetteville: 1906.5
Wilmington: 1909.5

Second generation adults may emerge as soon as the first week of July in some areas and possibly as late as mid-July in others. After that we can expect to find adults at all times through the fall due to overlapping generations.

You can find links to red headed flea beetle resource articles and information on my website at:

<https://wilson.ces.ncsu.edu/nursery-and-greenhouse-program-eastern-region/>

One link I do not have on that site is the red headed flea beetle foliar trial information from the IR-4 program. The link to that is below:



Severe RHFB damage on Weigela florida.

<http://ir4.rutgers.edu/EHC/RegSupport/ResearchSummary/ColeopteranEfficacy2019.pdf>

Red headed flea beetle information is on pages 40-55. It is not all inclusive but does provide some good information.

Data review of foliar ratings indicate that granular imidacloprid (Marathon 1G) applied at low, medium, and high rates to itea prior to larvae hatch at 240 GDD on March 2, 2020 resulted in itea plants with no noticeable foliar damage when rated on June 12, 2020. For comparison, an untreated group of weigela represented by the picture in this article had an average of 70% damage to foliage. Positive results have also been seen when plants were treated with thiamethoxam and imidacloprid as a liner drench prior to potting or drenched after potting in June 2019 and also when treated with imidacloprid as granular topdress after potting or incorporated at potting. Other work done this spring will be shared in future newsletters and educational presentations.

European Pepper Moth



European pepper moth larva.

Second generation larvae of European pepper moth were found last week in Wake County. This difficult to control insect can be hard to find as caterpillars if diligent scouting is not done. I usually find larvae in leaf litter on the top of container substrate during the day. They are often in curled up leaves or leaves tied together with their silk webbing. Although many fact sheets show larvae as white, they usually take on the color of the foliage they are feeding on, like the purple foliage of the loropetalum in the image. I have been trapping adult males with pheromone traps for over a year now so be prepared for more details about this insect and how it behaves in NC nurseries in the coming months. More information about European Pepper Moth, including more recent control measures, can be found at the following:

http://entnemdept.ufl.edu/creatures/veg/leps/european_pepper_moth.htm

<https://entomology.ca.uky.edu/ef324>

<http://extension.msstate.edu/newsletters/bug%E2%80%99s-eye-view/2017/european-pepper-moth-vol-3-no-28>

<https://www.growertalks.com/Article/?articleid=24398>

in this publication does not imply endorsement by NC Cooperative Extension nor discrimination against similar products or services not mentioned.

Distributed in furtherance of the acts of Congress of May 8 and June 30, 1914. North Carolina State University and North Carolina A&T State University commit themselves to positive action to secure equal opportunity regardless of race, color, creed, national origin, religion, sex, age, veteran status, or disability. In addition, the two Universities welcome all persons without regard to sexual orientation. North Carolina State University, North Carolina A&T State University, U.S. Department of Agriculture, and local governments cooperating.

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.

Danny Lauderdale | Area Specialized Agent | 252-714-0274 | danny_lauderdale@ncsu.edu | <https://wilson.ces.ncsu.edu/profile/danny-lauderdale/>

STAY CONNECTED:

