

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

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# Eastern NC Nursery News

## May 2021

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### Red-headed Flea Beetle Alert: Adults are out in extreme southeastern NC



We are over 600 GDD based on 50 degrees Fahrenheit as the base temperature in most locations in eastern NC. This should mean that adults will be emerging widespread in the near future. Here are a few GDD examples as of Wednesday, May 19.

Elizabeth City: 621  
Tarboro: 698  
Raleigh: 687.5  
Rocky Mount/Wilson: 748  
Greenville: 749.5  
Goldsboro: 802.5  
Fayetteville: 805  
Wilmington: 1111

I was a little north of Wilmington last week at 967.5 GDD and did not see RHFB adults on plants overwintered at that site. However, they were just reported on Hydrangea paniculata plants in that location at 1057 GDD on May 18. It seems like our wide ranging temperature fluctuations (like the cold weather we had last week) may be holding adult emergence back a little related to past emergence based on GDD. Still Southern Magnolias are at least starting flowering in almost all locations in eastern NC now and are a good indicator for adult emergence, so be on the look out.

I have included a table below with products labeled for RHFB adult control that have worked well as foliar applications. The products with asterisks have provided good control based on research studies and grower observations. This may not be an all inclusive list but is an attempt to provide a wide product selection. Make sure to rotate mode of action groups and be aware of products with maximum rate or number of applications per year.

Active ingredient	Ex. Trade Name	REI (hr)	IRAC MOA Group
<a href="#">acephate*</a>	<a href="#">Orthene 97UP</a>	24	1A
<a href="#">acetamiprid*</a>	<a href="#">Tristar 8.5 SL</a>	12	4A
<a href="#">bifenthrin*</a>	<a href="#">Talstar</a>	12	3
<a href="#">carbaryl*</a>	<a href="#">Sevin</a>	12	1A
<a href="#">chlorpyrifos*</a>	<a href="#">DuraGuard ME</a>	24	1B
<a href="#">cyantraniliprol*</a>	<a href="#">Mainspring GNL</a>	4	28
<a href="#">cyclaniliprole*</a>	<a href="#">Sarisa</a>	4	28
<a href="#">cyfluthrin + imidacloprid*</a>	<a href="#">Discus</a>	12	3 + 4A
<a href="#">diazinon</a>	<a href="#">Diazinon AG500</a>	12	1B
<a href="#">dinotefuran*</a>	<a href="#">Safari 20SG</a>	12	4A
<a href="#">tau-fluvalinate</a>	<a href="#">Mavrik Aquaflow</a>	12	3A
<a href="#">imidacloprid*</a>	<a href="#">Marathon</a>	12	4A
<a href="#">lamba-cyhalothrin*</a>	<a href="#">Scimitar GC</a>	24	3A
<a href="#">sulfoxaflor + spinetoram*</a>	<a href="#">Xxpire</a>	12	4C + 5
<a href="#">spinosad</a>	<a href="#">Conserve SC</a>	4	5
<a href="#">thiamethoxam*</a>	<a href="#">Flagship 25WG</a>	12	4A
<a href="#">tolfenpyrad*</a>	<a href="#">Hachi-Hachi SC</a>	12	21A

## Twospotted Spider Mites

Two-spotted spider mites have been active in many locations for a while now. If you have not seen them or damage you might want to check closely now as the temperatures climb this week and next. Here are some resources that can help with management:

<https://content.ces.ncsu.edu/twospotted-spider-mite-2>

<https://entomology.ces.ncsu.edu/2020/05/scout-for-twospotted-spider-mites/>

## Crapemyrtle Bark Scale Alert and BOLO



A few months ago, crapemyrtle bark scales were identified by Marshall Warren, Johnston County Extension Horticulture Agent in a home landscape. There was also a report from a commercial landscape in Cumberland County last month. As you scout crapemyrtles, particularly any older plantings or plants brought in from other locations, be on the lookout for these invasive insects. The image at left shows a heavily infested landscape plant with heavy sooty mold from scale honeydew. The image also shows double sided tape used to detect crawlers in order to target them with insecticide applications. Crawlers and adults are fairly easily managed if caught early but can be a big problem if populations build. Here are some resources:

<https://stopcmbbs.com/>

<https://entomology.ces.ncsu.edu/2020/04/time-to-scout-for-crape-myrtle-bark-scale/>

<https://www.eddmaps.org/distribution/uscounty.cfm?sub=80722> (County distribution map)

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## Asian Longhorn Beetle

The Asian longhorn beetle was found in South Carolina last year. I am not aware that it has been detected in NC yet but it would be a good idea to learn more about this pest so we can all be prepared. Here is a great resource created by one of our Extension Forestry Specialists:

<https://content.ces.ncsu.edu/asian-longhorned-beetle>

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## Read more NC Cooperative Extension Eastern NC Nursery News and Information

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