

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



Eastern NC Nursery News

March 2018

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

Visit Danny's Website

Red-headed Flea Beetle Update Correction

From Danny Lauderdale, NC Cooperative Extension

-Acephate 97UP controlled 92% of first generation larvae at a rate of **12 oz./100 gallons water** when drenched at a volume of 12 ounces per 3 gallon container. Determine drench volume by averaging amount of water to reach saturation of media without leaching of 10 containers. Once the amount is known, a high volume sprayer with recirculating agitation can be used with a water breaker nozzle and turnoff to calibrate the number of seconds to apply the drench volume needed.

****This information is based on replicated research trial results and should be implemented with caution in small isolated areas to determine**



Check GDD to determine if it is the correct time to scout for larvae. The Wilmington area is at 326 so eggs like these could be hatched already. The Raleigh area is at 196 so no hatch there yet as of 3/8/2018.

Crapemyrtle Bark Scale (CMBS) Found in Currituck County

On March 2, 2018 crapemyrtle bark scale was confirmed in residential landscapes in Currituck County on plants that seem to have been in place for several years. There are now 3 NC counties with confirmed detections that I know of: Currituck, Iredell, and Mecklenburg. This one is not a big surprise since it was found in Chesapeake County, VA in 2014.

You can find more information about this invasive pest including links to identification and control recommendations at:

<https://wilson.ces.ncsu.edu/2018/03/crapemyrtle-bark-scale-pest-alert/>



Female CMBS (white felt flecks) and sooty mold (causing dark trunk appearance). Photo by Sarah Watts.

New EPA Restrictions on Paraquat

Field nursery growers, check out this information provided by Wayne Mitchem, Extension Associate. The EPA has announced new restrictions on paraquat use. The link below provides information on the new regulations however it does not give implementation dates. There is also a table below with the regulations noted.

It is my understanding that these will be implemented in stages. The initial one relates to the requirement that in order to apply paraquat you will have to be a "licensed certified applicator" will take affect in Oct. 1, 2018. That means employees can no longer apply paraquat while working under the license of their supervisor or employer. This is a big change that growers need to be aware of in the coming months.

<https://www.epa.gov/ingredients-used-pesticide-products/paraquat-dichloride#action>

EPA Paraquat Mitigation Decision: *What You Need to Know*

EPA Requirement	Details	Effective Date
Supplemental warning materials	<ul style="list-style-type: none"> Warning sticker affixed to cap Safety sticker on container Product warning "counter card" 	<p>10/1/2018</p> <p>All product entering channel will have new amended label and supplemental warning materials*</p>
Certified applicators only	<ul style="list-style-type: none"> Applicator must be a licensed certified applicator, can no longer work under supervision of a certified applicator** 	
Stewardship and Safety Training	<ul style="list-style-type: none"> EPA-approved paraquat internet training program Product label to include training program website Training must be completed every 3 years 	<p>Training material in place by 3/30/2018, implementation TBD after 3/30/2018</p>
Closed System	<ul style="list-style-type: none"> All paraquat non-bulk containers must comply with EPA approved closed system standards Non-bulk is defined as any container less than 120 gallons 	<p>10/1/2020</p>

*Entities other than registrants may continue to sell and/or use existing stocks of products with previously approved labeling and packaging until stocks are exhausted

**When applying product with new amended label

Winter Injury Got you Down? Take time to review this publication and be prepared for next winter: <https://content.ces.ncsu.edu/preparing-nursery-plants-for-winter>

Important Dates

May 24, 10 AM - 2 PM, Pesticide Disposal Collection, Wilson County Agricultural Center, Contact Tommy Batts, Extension Agent, at 252-237-0111.

August 8, 4 - 8 PM, Castle Hayne Nursery Twilight Field Day, Castle Hayne Research Station, Contact Danny Lauderdale for more information.

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.

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:



