

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



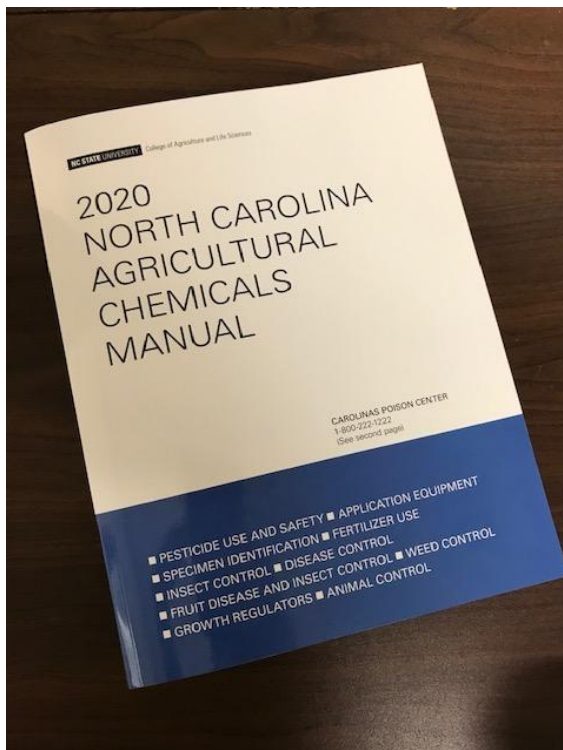
Eastern NC Nursery News

January 2020

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

Visit Danny's Website

2020 NC Agricultural Chemicals Manual



The 2020 North Carolina Agricultural Chemicals Manual is available for purchase as a paperback book for \$40 or is available free online now. The links below will take you to whichever option you prefer:

[Free online 2020 NC Agricultural Chemicals Manual access](#)

[Purchase the paperback version](#)

This manual is a valuable tool for growers and pest managers since it has valuable information about:

- Pesticide use and safety
- Chemical application equipment
- How to send specimens for disease, insect, and weed identification
- Fertilizer use
- Insect control
- Chemical weed control
- Plant growth regulators
- Animal damage control

Delta trap with European Pepper Moth
pheromone lure and male moths.

-Disease control

February 11, 2020 Eastern NC Nursery Conference Pre-registration Deadline is February 4th

Organized by:
Danny Lauderdale, Area Specialized Agent,
Nursery and Greenhouse – Eastern Region
For more information:
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Eastern NC Nursery Conference

February 11, 2020

Wilson County Agricultural Center
1806 SW Goldsboro St.
Wilson, NC 27893
252-237-0111

Alternate date in case of inclement weather: 2/18/2020

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

8 a.m. Sponsors Setup

8:30 a.m. Participant Registration, Continental Breakfast, and Networking

9:15 a.m. Welcome, Announcements, and Sponsor Introductions

9:30 a.m. Nursery Disease Management: Blights, Diebacks, Root Rots, and Leaf Spots, Dr. Jean Williams-Woodward, UGA

10:30 a.m. Networking Break and Refreshments

11:00 a.m. Nursery Tree Pruning: Biology and Best Management Practices, Dr. Barbara Fair, NC State

12 p.m. Lunch and Networking

1:30 p.m. Nursery Weed Management: Current Research and Difficult Weeds, Dr. Jeffrey Derr, Virginia Tech

2:30 p.m. Networking Break

3:00 p.m. Nursery IPM: A Focus on Scales, Dr. JC Chong, Clemson

4:00 p.m. Adjourn and Recertification Credits

Participant Registration: Eastern NC Nursery Conference, February 11, 2020

Company Name: _____

Participant(s) Names: _____

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 4 and mailed to: Eastern NC Nursery Conference, 1806 SW Goldsboro St., Wilson, NC 27893. Registration after Feb. 4 will be \$40 at the door. Make checks payable to Wilson County Ag Center. (List all participants and include a separate sheet if needed.)

Sponsors:



The deadline is February 4th and is fast approaching to preregister to attend the Eastern NC Nursery Conference at the Wilson Ag Center, 1806 SW Goldsboro Street, Wilson, NC 27828 on February 11, 2020.

Topics of focus with presenters from UGA, NC State, Virginia Tech, and Clemson:

- Woody ornamental diseases management
- Nursery tree pruning
- Weed management
- Scale insect management

You will be able to visit with our sponsors during registration, breaks, and lunch. Lunch will

be catered by the Parker's BBQ and will be pork BBQ, fried or BBQ chicken, and fixins. \$25 preregistration must be postmarked by February 4. A printable registration flyer can be found at <http://go.ncsu.edu/2020encnc>.

Winter Red Headed Flea Beetle Update



Red headed flea beetle larvae harvested from untreated control container plant root systems.

Although adult red headed flea beetles are not active at this time as they are overwintering as eggs laid in root systems of container nursery plants, now is a great time to get a plan together for reducing their damage.

Neonicotinoid insecticides applied as drenches at potting or granular products either incorporated or topdressed at potting are showing good results in trials and demonstrations. These products can also be applied to existing crops prior to first generation egg hatch in early winter. 200 GDD is a great point to begin these treatments on existing plants that have shown signs of damage in the past. In addition to a control range of 94% to 100% of larvae control in treated containers, they also reduce foliar damage later in the year. The active ingredients I have tested most that have given these results are dinotefuran, imidacloprid, and thiamethoxam.

I have seen situations where one well timed drench application of imidacloprid prevented foliar damage from red headed flea beetles through July in conjunction with contact insecticides made only once every three weeks. Other drench, topdress or incorporations at potting have resulted in no foliar damage to only as high as 7% with no other insecticide applications from potting in June through November. These neonicotinoid applications work best if made prior to egg hatch or at potting.

There are other options if neonicotinoids do not fit in your production system. As mentioned previously, acephate drenches have provided 94 to 100% control when made after eggs hatch and larvae are present in container roots. Azadiractin has also been effective when applied prior to egg hatch at 200 GDD and has given as high as 94-96% control of larvae.

Other options for management of larvae so hatches of adults from containers are limited are available as well. If you have questions about controlling RHFB, need help getting started monitoring GDD, need rate or timing information, 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. I have several nursery trials and demonstrations that will be implemented this year to continue to fine tune potential management strategies.

Ambrosia Beetles...

When are next preventative treatments needed?

Temperatures throughout eastern NC will remain below 70 degrees over the next two weeks so there is no need to make additional preventative applications to trees potentially sensitive to attack by ambrosia beetles. Based on my monitoring over the past two winters and springs, we only see activity and flights when high temperatures reach around 70 degrees or above for about 3 days or more. When temperatures are not that high the insects are in a resting state. When I see the forecast becoming ideal for future activity I will send an alert.

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:

