NURSERY NEWS TO USE

ISSUE 3
JUNE 1, 2019

● Japanese Maple Scale Crawlers AND Flea Beetle Alert, Dr. Karla Addesso ● Herbicide Drift, Dr. Anthony Witcher ● Potato Leafhopper and "hopperburn", Dr. Jason Oliver ● NRC Events and Extension Updates, Amy Dismukes ●

The first generation of Japanese maple scale is crawling. Japanese maple scale crawlers are purple and will require a hand lens to observe. TREAT NOW! Please see the attached document for more information.

Flea beetles are also making an appearance and spreading across the nursery industry. First generation foliar damage (photo on right; credit: SD Frank, NC State Extension) is visible by scouting plots now. Additional details on identification and treatment recommendations may be viewed at https://wilson.ces.ncsu.edu/wp-content/uploads/2017/02/2017-Nursery-Landscape-Notes-RHFB-Article.pdf?fwd=no. For more information, contact Dr. Addesso at kaddesso@Tnstate.edu.

Herbicide drift from neighboring farms (pastures, agronomic crops, etc.) can cause significant damage to nursery crops. Most soybean crops are grown using varieties resistant to herbicides such as glyphosate (Roundup®), glufosinate (Liberty®), and dicamba. Over the past two years, specialty crop growers (nursery crops, vegetables, etc.) in several states have reported damage due to dicamba herbicide drift from soybean fields. Although proper training is required for applying dicamba in soybeans, herbicide drift can occur if specific guidelines are not properly followed.

If you suspect crop damage from herbicide drift or need additional information, contact Anthony Witcher at awitcher@tnstate.edu.

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The potato leafhopper, another nursery pest, is showing up in nurseries already this year. Leafhoppers use their piercing-sucking mouthparts to feed on vascular tissues, removing chlorophyll and creating angular stippled spots on foliage. Leafhoppers inject a salivary toxin that disrupts sap flow and causes decreased internode length, resulting in stacked leaf sets. The salivary toxin also causes leaf cupping and burnt, curling leaf edges, known as "hopperburn." Treatments should occur throughout late spring and summer to prevent hopperburn and retrain the central leader via pruning. Poor aesthetic appearance of damaged trees may reduce the market value of affected trees. Contact Dr. Jason Oliver at joliver@tnstate.edu for more information.

If you have concerns about potato leafhoppers and would like a consult visit, please contact Amy Dismukes at adismuk1@tnstate.edu.

Please mark your calendar and plan to join us for the 2019 TSU Otis L. Floyd Nursery Research Center Field Day on July 25th, from 2:00 - 8:00 pm. Labs will be open from 2:00 - 3:00 for research updates, with programming to start at 3:00 pm to be followed by an appreciation dinner, from 6:00 - 8:00 pm. The event is free but registration is required. The schedule is below. See attached flyer for registration details.

2:00 – 3:00	TSU Nursery Research Center Open House, research displays and labs open
3:05 – 3:10	Welcome to the TSU Otis L. Floyd Nursery Research Center
3:10 – 3:35	Scale Insect, Monitoring and Control
3:40 – 4:05	Phytophthora Disease Management
4:10 – 4:25	BREAK and Rainfall Simulator Demonstration (outside)
4:30 – 4:55	Cover Crops in a Nursery Setting
5:00 – 5:25	Fire Ant Treatment Updates
5:00 – 5:55	Symptom and Sign Observations for Insect and Disease Detection (in Spanish, to be offered concurrently)
5:30 – 5:55	Weed Management through Product Rotation
6:00 – 8:00	Dinner and Discussion: BASF and OHP product updates and Nursery Insights

BASF We create chemistry

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ohp Partners with solutions

This event is FREE of charge, however, registration is REQUIRED by Friday July 20th, in order to confirm a meal. To register, please contact Holly Hodges at 931-815-5140 or hdhodges@blomand.net. Please let us know if you or your employee plan to attend the Spanish program.

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