

Supporting  Fruit Production

OHIO FRUIT NEWS

Research and Recommendations from experts at The Ohio State University

October 2018

Spotted Wing Drosophila: Fall Update

Jim Jasinski (Extension educator) and Celeste Welty (Extension entomologist)

Several Extension educators, specialists, and growers have been diligently trapping for spotted wing Drosophila (SWD) in berry crops at multiple sites across 20 counties in Ohio since June. In general, SWD populations at most locations have peaked at this point, but they can remain abundant for several weeks longer. Even after the first frost, some SWD adults are usually active in the field.

At some monitoring sites where growers have been spraying through the season, we are still able to trap SWD adults. Adults are also being trapped at sites where fruit is no longer being produced. While this is concerning to growers with fruit still in the field, there doesn't seem to be any significant fruit infestation or damage, which is good news. If you haven't kept up on your spray schedule and still have fruit out in the field, it is strongly recommended that you check your fruit with a simple salt water test to see if you have any infested fruit. Here are the directions from an OSU factsheet (cpb-us-w2.wpmucdn.com/u.osu.edu/dist/1/8311/files/2017/04/SWD-saltesthandout-updated-pnd335.pdf) or via an OSU IPM YouTube video (youtube.com/watch?v=MtMXHxqcSVs).

Our closing message is that if there is still fruit on your farm worth harvesting, keep up on your spray schedule in order to protect those fruit from infestation. If you deem it necessary to spray for another few weeks, it is important to keep an eye on the PHI of products used. Most PHI's range between 0-7 days, but some products labeled for grapes have a 30-day PHI. Here is the complete list of insecticide PHIs and maximum number of applications allowed: cpb-us-w2.wpmucdn.com/u.osu.edu/dist/1/8311/files/2017/02/SWD_insecticideOptions2018-1ppr7m8.pdf.

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SWD larva
floating from
infested fruit.



Spotted Wing Drosophila Exclusion Netting Workshop

Jim Jasinski, Ashley Kulhanek (Extension educators) and Celeste Welty (Extension entomologist)

While most growers manage spotted wing Drosophila (SWD) with insecticide sprays once this pest is detected on their farm, there are other non-chemical ways to successfully grow cane berry and blueberry fruit using finely woven insect proof netting.

A workshop will be held on Oct. 13th to demonstrate the basics of designing and building an enclosure around susceptible small fruit plants and then covering them with insect proof netting to keep SWD adults from attacking the fruit. The workshop will be co-taught by Jay Cooper (grower), Celeste Welty (Extension entomologist), Jim Jasinski and Ashley Kulhanek (Extension educators).

Topics covered in the workshop will include a review of other exclusion netting projects, plant and pollination considerations, tour of an existing exclusion netting structure on-site, and then a hands-on session to experience building a second exclusion netting structure.

The workshop will run from 10am to 2pm on Oct. 13th, located at 7010 Chatham Road, Medina, OH, 44256. Registration is \$20 per person and includes handouts and lunch, but must be completed by Oct. 8th. For more information on the workshop and registration details, visit medina.osu.edu/events/managing-spotted-wing-drosophila.

Please note this workshop is limited to only 15 participants. For additional questions about registration contact Ashley Kulhanek (kulhanek.5@osu.edu) or for questions about the program contact Jim Jasinski (jasinski.4@osu.edu).



Netting protecting fruit from SWD. Attend workshop on Oct 13th for more information!

Upcoming Events:

Great Lakes Fruit, Vegetable and Farm Market EXPO – December 4th to 6th

Devos Place Conference Center in Grand Rapids, MI

Mid-Ohio Growers Meeting – January 10th and 11th

Mt. Hope Event Center in Millersburg, OH

Ohio Produce Network – January 16th and 17th

Embassy Suites in Dublin, OH

Mid-Atlantic Fruit and Vegetable Convention – January 29th to 31st

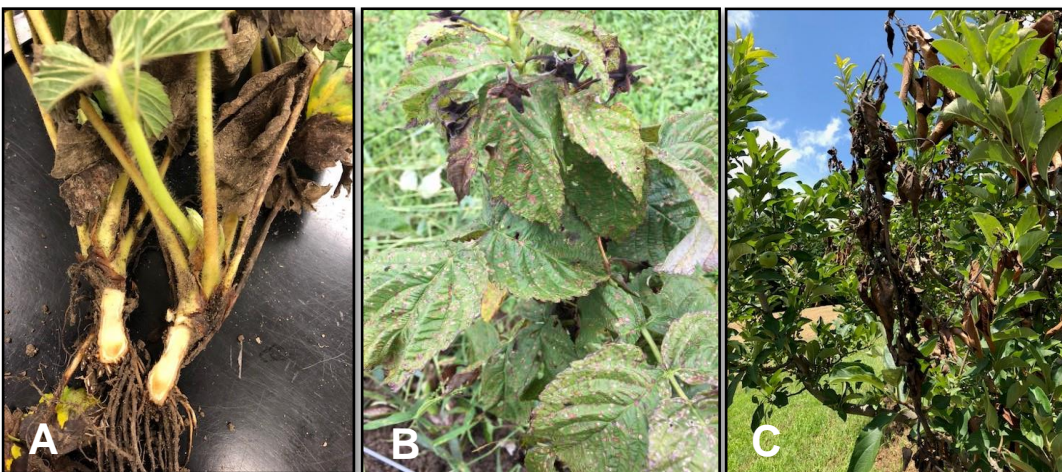
Hersey Lodge and Convention Center in Hershey, PA

Fruit Diagnostic Sample Update

Rachel Medina and Melanie Lewis Ivey, Fruit Extension Pathologist

This season has been a busy one for our diagnostics laboratory. We have had over a hundred samples with some still coming in! The top three fruits we received samples for have been apple, strawberry, and grape. We have also received samples from very specialized crops such as hops, pawpaws, and chestnut. The most common diagnoses for this season were Fire Blight on apples and Leaf Spot on strawberries and brambles. This year we also had a large increase of growers sending electronic samples with a description and picture of the issues they were having. All of this was very helpful in identifying the disease and making recommendations quickly.

If you wish to submit a sample by mail, please visit u.osu.edu/fruitpathology/diagnostic/ for more instructions.



A: Discolored strawberry crown

B: Raspberry leaf spot caused by *Sphaerulina rubi*

C: Fire blight found this season on an apple tree caused by *Erwinia amylovora*

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Grower Resources:

NEW: Midwest Fruit Pest Management Guide 2018
(Additionally: Kocide 3000-O is now registered in Ohio!
cdms.net/ldat/ldE9Q000.pdf)

NEW: 2018 Grape Spray Guide (u.osu.edu/fruitpathology/spray-guides/)

OSU Fruit Pathology Resources (u.osu.edu/fruitpathology)

OSU Fruit and Vegetable Pest Management (entomology.osu.edu)

OSU Fruit and Vegetable Diagnostic Laboratory
(u.osu.edu/vegetablediseasefacts/)

OSU Bramble: Production Management and Marketing Guide (Bulletin 782)
(extensionpubs.osu.edu)



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