

Northern Michigan FruitNet 2018

Northwest Michigan Horticultural Research Center

Weekly Update

FruitNet Report – July 25, 2018

CALENDAR OF EVENTS

8/23

NWMHRC Open House

More details below!

What's new?

- **SWD Update for July 25, 2018**
- **NORTHWEST MICHIGAN HORTICULTURAL RESEARCH CENTER ANNUAL OPEN HOUSE**

New articles

SWD Update for July 25, 2018

Nikki Rothwell and Emily Pochubay, NWMHRC

The numbers of spotted wing drosophila (SWD) in the trap line at the NWMHRC have gone up significantly since last week. We checked our traps at the NWMHRC yesterday afternoon (24 July) and found a total of 858 flies; we found 385 flies in the NWMHRC traps last week. These SWD were in traps in both sprayed and unsprayed blocks at the NWMHRC. This jump in trap counts is likely indicative of greater fly activity after this weekend's rain events. The NWMHRC Enviroweather station recorded almost $\frac{3}{4}$ " of rain over the weekend. Again, we attribute this increase in fly activity to increased moisture and humidity levels. As hypothesize in past FruitNet articles, we believe the ebb and flow of the 2018 SWD activity is related to this season's hot and dry conditions. We saw a tremendous jump in fly activity after the rains of 1 July, and we have documented another dramatic jump after this most recent rainfall. With increased fly activity, there is potential for increased oviposition. Cherries across the region are susceptible to SWD egg-laying, and growers need to continue to protect fruit that will be harvested as cherry harvest could extend for another few weeks. We reported low numbers of SWD in traps around the five-county area on Friday, 20 July, but we expect to see a similar pattern of increased trap counts across the region.

Despite the recent increases in trap counts, we are not observing increased infestation at the NWMHRC. We have been evaluating fruit for SWD larvae in our 2018 research trials, and we have documented very few larvae in experimental blocks. Today we evaluated two blocks of a study that had not been sprayed with an insecticide for 14 days; Imidan was the insecticide that was used for SWD control in this trial (for research purposes only). Even with the 14 days since the last Imidan application, we only found two larvae and a few SWD eggs in 36 gallons of fruit. However, we expect this situation to change with the extreme increases in SWD trap counts in the past week. We encourage growers to continue to err on the conservative side for SWD management.

NORTHWEST MICHIGAN HORTICULTURAL RESEARCH CENTER ANNUAL OPEN HOUSE

The Northwest Michigan Horticultural Research Center's (NWMHRC) annual open house is scheduled for Thursday, August 23, 2018. This year's event will include educational sessions, equipment demonstrations, a social hour, and dinner.

We have moved to an every-year equipment show, so vendors and equipment will be on hand all day at this year's open house. We have also added annual equipment demonstrations - we have invited equipment companies to bring in new orchard and vineyard equipment and technologies for demonstration purposes. We hope to be able to showcase new advancements in orchard and vineyard assist technologies at the 2018

NWMHRC Open House.

Free educational wagon tours of the NWMHRC will feature MSU specialists and will take place from 1:00 – 2:15 PM. The tour will include wine grape and tree fruit specialists that will speak on a variety of topics. We will discuss fire blight resistance screening results and demonstrate an orchard platform in high-density apples. We will also showcase some work we have conducted using drones as bird deterrents in sweet cherry orchards. We will also present data on the effectiveness of spotted wing drosophila management strategies that were employed in 2018. Cherry leaf spot efficacy will also be discussed. We will demonstrate some weeding strategies in wine grapes, and wine grape specialists will be on hand to review the season and prepare for harvest.

After the educational sessions, growers are encouraged to meet with equipment vendors and participate in the demonstrations from 2:30 – 5:30PM. We will host as many equipment vendors to hold demonstrations as we can in this time frame. We hope that growers and others will be sure to attend this part of the 2018 open house. Demonstrations will be followed with a social hour from 5:30 – 6:15PM and dinner at 6:15PM.

In past years, the Leelanau Horticultural Society has held their annual meeting, but this year they plan to just host the social hour and dinner. We encourage growers from all over the northwest region to join us for this fun and relaxed event.

The 2018 NWMHRC Open House is co-sponsored by the Leelanau Horticultural Society and Michigan State University AgBioResearch, and Extension, with support from Parallel 45 and the NW Michigan Horticultural Research Foundation.

To reserve or purchase a dinner ticket, please call (231) 946-1510 or email Jenn at goodr100@msu.edu by August 20, 2018. The dinner will be catered by *Ethnic Garden Catering* and will feature locally produced food; cost for dinner tickets is \$15 per person.

For more information, contact the NW Michigan Horticultural Research Center at 231-946-1510. We hope to see many of you at this fun and educational event!
