

Northern Michigan FruitNet 2014

Northwest Michigan Horticultural Research Center

Special Update

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NW PEST REPORT

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Spotted wing drosophila captures are on the rise in northwest Michigan and could be a concern in ripe or ripening raspberries, blackberries, and blueberries; SWD prefer these soft small fruits over grapes and SWD have not been a concern in grapes in previous years. Since the arrival of SWD in Michigan, we have not observed SWD attacking healthy apples, pears, peaches or plums. These fruit, however, could be susceptible to SWD if they are damaged.

This week, we caught a total of 1024 SWD in a total of 50 traps in Leelanau, Antrim, Benzie, and on Old Mission. SWD numbers are substantially lower in most grape sites compared with cherry and some raspberry sites. At the **NWMHRC**, we caught an average of 93.3 SWD per trap in tart cherry. Some of the NWMHRC SWD traps are in blocks with remaining fruit that were not harvested and therefore, could have significantly higher numbers compared with commercial blocks with little remaining fruit. At sites in **Leelanau County**, the total number of SWD caught per trap were higher and more variable this week compared with previous weeks and ranged from four to 86 SWD per trap in cherry. SWD captures in Leelanau grapes ranged from two to 24 SWD per trap; again, these numbers are higher and more variable than in previous weeks. In one trap in Leelanau raspberries, we found a total of 105 SWD. In **Benzie County**, a total of 138 SWD were found in cherry and 58 SWD in grape. In **Antrim County**, the total number of SWD per trap ranged from six to 15 SWD per trap in cherry. There were 48 SWD in one trap in Antrim grapes, and 2 SWD in one trap in Antrim raspberries. On **Old Mission**, SWD captures ranged from a total of one to 48 SWD per trap in cherry and one to 18 SWD per trap in grape.

We have received a few reports that **apple maggot** numbers spiked this week compared to catches last week in some orchards. At the station we have found very few apple maggot flies on traps and other orchards in Leelanau have also reported low AM numbers. In Benzie County, some traps were reported to have 18 or more AM this week. **Codling moth** flight increased at the station this week indicating flight of second generation CM. Anecdotally, CM numbers seem to be higher at this time compared with captures during first generation CM flight earlier this season. Increasing numbers of **two spotted spider mites** and **plum nursery mites** have also been reported in cherry.