

# Northern Michigan FruitNet 2015

## Northwest Michigan Horticultural Research Center

### Weekly Update

FruitNet Report 08/25/15

#### Calendar of Events

##### 2015

- |             |  |
|-------------|--|
| <b>8/27</b> | <b>2015 Open House</b><br>Northwest Michigan Horticulture Research Center<br>Call and reserve dinner tickets at 231-313-8376 or email <a href="mailto:goodr100@msu.edu">goodr100@msu.edu</a> |
| <b>8/27</b> | <b>Grand Traverse County Hazardous Waste Removal – Appointment Required</b>  |

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## Northwest Michigan Fruit Regional Report – August 25, 2015

*It's starting to feel like fall in northwest Michigan, but the cool wet weather will help apples size and color up before harvest.*

Emily Pochubay and Nikki Rothwell

#### Weather Report

Summer has turned to fall in the last few days in NW Michigan. Daytime highs were in the 80s on Saturday, and these summertime temperatures continue to fall; the high for today is expected to only be in the low 60s. Cool temperatures moving over the warm waters of Lake Michigan have brought some rainfall to the region, which is much needed. We received > 0.31" on Sunday and just under 0.1" on Monday. We also are receiving some rain today, 25 August.

#### Crop Report

Peach harvest is underway in the north. The peach crop is on the light side with the two recent hard winters. We are detecting some split pit in some varieties. Apples are sizing, and size will continue to improve with the rain. We are starting to see color develop on apples, and early varieties are expected to ripen within the week to two weeks. Growers that suffered hail damage to their fruit have been removing those fruit from the trees in an effort to improve tree health as we head into winter.

#### Pest Report

**Spotted wing drosophila** (SWD) eggs, larvae, pupae, and adults can be easily spotted in fruit and wild or unmanaged hosts at this time. Interestingly, we have observed SWD flies lingering around garden tomatoes that cracked following recent rain. Identifying female flies is difficult without a trained eye, but the males have a black spot on each of their wings that can be used to distinguish SWD from other drosophila species. Although SWD generations are overlapping at this time (i.e. all life stages can be found simultaneously), more mature or later instar larvae are relatively easy to see with the naked eye. Hence, salt tests should be effective for determining if berries, other fruit or non-crop hosts are indeed infested. We suspect that as long fruit/hosts are available for SWD infestation, this pest will continue to be present until we receive a hard frost this fall. Cherry growers who are waiting to make fall foliar fertilizer applications may want to consider removing wild hosts, in particular mulberry, honeysuckle, and unmanaged or wild caneberries from areas adjacent to cherry orchards in the meantime; the NWMHRC found that these wild hosts have harbored SWD larvae this season.

Insect activity in apples remains relatively quiet in recent cooler temperatures with a few **apple maggots** and **codling moths** still flying at the research station. Wet conditions could be a concern for growers who had difficulty keeping **apple scab** in check during primary scab in the spring. The second flight of **San Jose scale** males is underway and this flight was at its peak in the last week in both apple and sweet cherry. Scale crawlers typically appear ~2 weeks following male flight and we expect that we will begin seeing crawlers within the coming week. This generation of crawlers will find new sites on the tree or fruit where they will settle, insert their mouthparts, begin feeding, and producing a white waxy cap that will keep them protected through the winter.

**Brown marmorated stink bug** (BMSB), an invasive insect pest originally from Asia, was detected in the northwest in a lure-baited trap located in a residential neighborhood of Grand Traverse County on August 19, 2015. This BMSB was a juvenile fifth instar nymph; there are five instars or juvenile stages before BMSB becomes an adult stink bug. BMSB were also found at this location inside of the home in the 2014-15 winter and early spring. Thus far, we have not found BMSB in commercial orchards in northwest Michigan. Orchard growers and consultants should be monitoring for BMSB as well as looking for suspected BMSB feeding damage on fruit at this time. BMSB feeding on apples during this time in the season results in pithy, sunken in areas on the fruit where BMSB inserted its mouthparts and sucked juices from the fruit. Placing traps along orchard edges and using beat nets or sweep netting are strategies to sample for BMSB. Insects will fall from limbs that are jarred over a light colored canvas where they can be counted and identified. Using a sweep net to sweep vegetation along wood edges and adjacent to orchards will intercept any insects in the surrounding area; sweep netting will help to capture and detect BMSB before they enter the orchard as this pest typically moves into orchards from the surrounding landscape.

We encourage all growers and consultants to bring any suspected BMSB specimens or BMSB damaged fruit to the research station for further examination and ID.

## **Grapes**

Duke Elsner

Our recent rainy conditions may lead to outbreaks of botrytis rot on storm-injured clusters. Powdery mildew is showing up on leaves and fruit clusters in many vineyards.

Whether it was from the cold injuries of winter and spring, or the storm damage of August, there are a lot of vineyards in NW Michigan that have a much smaller canopy than usual for this time of year. These vines are going to need everything they can get from the leaves that are there to mature canes and buds for over-winter survival. It is very important to protect what's left of the foliage from powdery mildew

this fall. In sites where the crop is so short that a harvest is not anticipated sulfur can be used as a cheap powdery mildew material right through the end of the season.

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## **NORTHWEST MICHIGAN HORTICULTURAL RESEARCH CENTER ANNUAL OPEN HOUSE**

The Northwest Michigan Horticultural Research Center's (NWMHRC) annual open house is scheduled for Thursday, August 27, 2015. This year's event will include an equipment show, wine tasting and dinner, and the Leelanau Horticulture Society's annual meeting. In addition, Greenstone Farm Credit Crop Insurance will be holding a discussion reviewing current fruit policies, as well as introducing the new Whole Farm Revenue Protection policy. This new policy is aimed toward specialty crop, and diverse growers. Discussion will include a short powerpoint outlining the basics, followed by a short Q and A.

The grounds to the exhibit area will open at 1:00 p.m., and equipment vendors will be on site. Free educational wagon tours of the NWMHRC featuring MSU specialists will take place from 3:00-4:45. The tour will include winegrape and tree fruit specialists that will speak on a variety of topics:

### **August 27, 2015 Concurrent Cherry and Grape Sessions**

1:00	<b>Equipment Show</b>
2:00 – 3:00	<b>Greenstone Farm Credit Crop Insurance Discussion</b> <i>Cory Blumerick, Crop Insurance Specialist</i>
3:00 – 3:20	<b>Over The Row Littau ORXL Harvester in High Density Tart Cherries</b> <i>Dr. Ron Perry, Dept. of Horticulture, MSU</i>
3:20 – 3:35	<b>Roles of Cover Crops, Mulch, Compost, and BioChar in Tart Cherry Orchard Establishment</b> <i>Dr. George Bird, Dept. of Entomology, MSU</i>
3:35 – 3:50	<b>Update On Tart Cherry Scion and Rootstock Breeding</b> <i>Dr. Amy Iezzoni, Dept. of Horticulture, MSU</i>
3:50 – 4:05	<b>Insectary Plants to Enhance Beneficial Insects</b> <i>Dr. Doug Landis, Dept. of Entomology, MSU</i>
4:05 – 4:20	<b>Cherry Leaf Spot Efficacy Update: Promising Fungicides on The Horizon</b> <i>Dr. Nikki Rothwell, NWMHRC</i> <i>Dr. George Sundin, Dept. of Plant Pathology, MSU</i> <i>Emily Pochubay, NWMHRC</i>
4:20 – 4:40	<b>Establishing Successful Chestnut Orchards in Michigan: A Demonstration Plot</b> <i>Dr. Dennis Fulbright, Dept. Plant, Soil, and Microbial Sciences, MSU</i>
4:00 – 4:45	<b>Grapes: How Much Punishment Can a Grape Vine Take?</b> <i>Dr. Duke Elsner, Small Fruit Educator, MSU Extension</i>
4:45 – 6:00	<b>Social Hour</b>

6:00

### **Dinner and Leelanau Horticultural Society Annual Meeting**

Growers are encouraged to meet with equipment vendors during the social hour from 4:45 – 6:00. Dinner and the Leelanau Horticultural Society's annual meeting will follow at 6:00.

As in past years, the equipment show, social hour, and dinner is sponsored by the Leelanau Horticultural Society and Parallel 45 with the educational portion sponsored by AgBioResearch, MSU Extension, 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](mailto:goodr100@msu.edu) by August 20, 2013. The dinner will be catered by *Ethnic Garden Catering* and will feature locally produced food; cost for dinner tickets is \$10 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!

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## **Antrim, Grand Traverse and Leelanau Counties Receives Approval to Implement the Emergency Conservation Program**

*United States Department of Agriculture*

Traverse City, Michigan – August 21, 2015 – Kathy Kozlowski, County Executive Director for the Antrim and Grand Traverse Area Farm Service Agency (FSA) announced that Antrim, Grand Traverse and Leelanau counties, have been approved to implement the Emergency Conservation Program (ECP) for debris removal from farmland.

A high wind event has caused severe damage in Antrim, Grand Traverse and Leelanau Counties. Farms and ranches suffering severe damage may be eligible for assistance under the Emergency Conservation Program (ECP) administered by the Antrim and Grand Traverse Area Farm Service Agency (FSA) County Office if the damage:

- will be so costly to rehabilitate that Federal assistance is or will be needed to return the land to productive agricultural use
- is unusual and is not the type that would recur frequently in the same area
- affect the productive capacity of the farmland
- will impair or endanger the land.

A producer qualifying for ECP assistance may receive cost-share levels not to exceed 75% of the eligible cost of restoration measures. No producer is eligible for more than \$200,000 cost sharing per natural disaster occurrence. The following types of measures may be eligible:

- removing debris from farmland
- grading, shaping, or releveling severely damaged farmland
- restoring permanent fences
- restoring conservation structures and other similar installations.

Producers who have suffered a loss from a natural disaster may contact the local FSA County Office and request assistance from August 21, 2015 to October 19, 2015.

To be eligible for assistance, practices must not be started until all of the following are met:

- an application for cost-share assistance has been filed
- the local FSA County Committee (COC) or its representative has conducted an onsite inspection of the damaged area
- the Agency responsible for technical assistance, such as the Natural Resource Conservation Service (NRCS), has made a needs determination, which may include cubic yards of earthmoving, etc., required for rehabilitation.

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## **Grand Traverse County Household Hazardous Waste Collection - August 27th 1:00pm-6:45 pm and APPOINTMENTS ARE REQUIRED**

GRAND TRAVERSE COUNTY RESOURCE RECOVERY DEPARTMENT (RecycleSmart) will conduct a Household Hazardous Waste (HHW) & Pesticide Collection on Thursday, August 27, 2015.

The online scheduling system is a convenient and the recommended tool to secure an appointment. An appointment is required and can be made at [www.RecycleSmart.info](http://www.RecycleSmart.info) or by calling the RecycleSmart Hotline at 941.5555.

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This service is provided to Grand Traverse County residents at no cost, (up to 150 lbs., \$1.30 lb. thereafter). Accepted material includes cleaning products, pesticides, mercury, moth balls, motor oil, pool chemicals, paint, stains, mercury containing thermometers, antifreeze, contaminated gasoline, CFL bulbs and more...

Latex Paint and Motor Oil is accepted.

For more information visit [www.RecycleSmart.info](http://www.RecycleSmart.info) or call the RecycleSmart Hotline at 941.5555

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## **Forestry and Wildlife Habitat Field Day**

Saturday, September 12, 2015 from 9:00 am – 12:00 noon

Mark and Debra Jackson Tree Farm

1190 E. County Line Road, Kingsley, Michigan

Section 6 of Greenwood Township, Wexford County

### **Area Forest Landowners,**

Join us this fall for an exciting and educational morning at Dr. Mark Jackson's 260 acre Tree Farm property! This property has been intensively managed over the past 20 years to both enhance wildlife

habitat and generate income from the timber resources, while sustaining the forest for future generations to come.

**In the past two decades, Dr. Jackson has:**

- Completed two commercial timber harvests
- Planted thousands of trees and shrubs to create diversity, cover, and food sources
- Restored multiple wetlands
- Established a variety of improved food plots

**Natural resource experts from the following organizations will speak and answer questions on a variety of forestry and wildlife habitat topics:**

- Michigan Ruffed Grouse Society (RGS)
- Quality Deer Management Association (QDMA)
- National Wild Turkey Federation (NWTF)
- USDA Animal and Plant Health Inspection Service (APHIS) on invasive wild boars
- Private consulting forestry
- American Tree Farm System (ATFS)
- Michigan Forest Association (MFA)
- Michigan Forestry Assistance Program (MiFAP) on state property tax incentive programs
- Michigan United Conservation Clubs (MUCC) on wildlife cooperatives

Stations will be located along a casual one mile hike. Come learn how you can apply these practices to your woodlot. You will leave with heightened enthusiasm, greater knowledge of resource management, and new connections to local support to help you follow through with your goals of better stewardship.

**Sponsored by the Forestry Assistance Programs of Wexford, Missaukee, Leelanau, Benzie and Grand Traverse Conservation Districts and the Michigan Tree Farm Committee**

**Cost is \$5.00/person and pre-registration is required by September 10 by contacting:**

**John Webb at 231-775-7681, ext. 3, [john.webb@macd.org](mailto:john.webb@macd.org) or**

**Kama Ross at 231-256-9783, ext. 264, [kama.ross@macd.org](mailto:kama.ross@macd.org)**

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**WEB SITES OF INTEREST:**

**Insect and disease predictive information is available at:**

**<http://enviroweather.msu.edu/homeMap.php>**

**This issue and past issues of the weekly FruitNet report are posted on our website:**

**<http://agbioresearch.msu.edu/nwmihort/faxnet.htm>**

**60 Hour Forecast:**

**<http://www.agweather.geo.msu.edu/agwx/forecasts/fcst.asp?fileid=fous46ktvc>**

**Information on cherries is available at the new cherry website:**

**<http://www.cherries.msu.edu/>**

Information on apples:  
<http://apples.msu.edu/>

Information on grapes:  
<http://grapes.msu.edu>

**Fruit CAT Alert Reports has moved to MSU News**  
<http://news.msue.msu.edu>