

Northern Michigan FruitNet 2014

Northwest Michigan Horticultural Research Center

Weekly Update

July 29, 2014

CALENDAR OF EVENTS

- | | |
|-------------|--|
| 8/1 | Parallel 45 – First Friday Meeting
NWMHRC |
| 8/14 | GT County Household Hazardous Waste & Pesticide Collection
recyclesmart.info |
| 8/15 | Hops Field Day |
| 8/21 | SW Pre-harvest Grape Meeting
Berrien Springs, MI |
| 9/4 | NWMHRC Open House – 35th Anniversary |
| 9/5 | Weathering the Climate: Cultivation & Technology in Grape Production
NMC Hagerty Center, Traverse City – flier and registration on page 5 |

NORTHWEST MICHIGAN REGIONAL REPORT

E. Pochubay, N. Rothwell, and D. Elsner, Extension Educators, MSU

Tart cherry harvest is underway and growers are harvesting through the night.

Weather Report. The weather conditions over the weekend were pleasant, but the region cooled off on Monday, 28 July. Daytime highs were in the mid-60s. Cool temperatures were accompanied by rain. The NWMHRC received just under a half inch of rain on the weekend. Conditions were dry across the region, and the rain was needed. However, some growers are still harvesting sweet cherries, and rain around harvest is not always welcomed. We had reports of hail in the region but little hail damage to fruit. The forecast is predicting cool weather with a potential of rain for each day for the remainder of the week.

Crop Report. Sweet and tart cherry harvest is overlapping this season, and both crops are coming off as quickly as possible. Sweet cherry quality still looks good despite the rain. We have observed cracking in some blocks, particularly on trees with a light crop. Tart cherry quality is also good. We had high winds last week, which resulted in some wind whipped fruit.

Despite the 35 mph winds, most fruit is still looking surprisingly good.

Pest Report. In the last week, tart cherry harvest ramped up, sweet cherry harvest is ongoing, and for the most part, conditions have been good for harvest. On Saturday 26 July, we received rain showers throughout much of the region that could have caused fruit cracking in some orchards; **American brown rot** can develop quickly on cracked fruit and could be a concern if cracking is present in orchards with brown rot. Saturday's rain event also resulted in **cherry leaf spot** infection periods. The cherry leaf spot model on Enviro-weather recorded potential moderate to high infection periods for East Leland, Eastport, Elk Rapids, Kewadin, Northport, and Old Mission that began on 26 July. A low cherry leaf spot infection period was recorded on 27 July in Bear Lake. There is a chance for rain and thunderstorms every day this week; if possible, tissue should be protected from leaf spot infection and fruit should be protected from American brown rot. **Powdery mildew** took a foothold and is evident particularly on interior leaves of trees in some orchards.

A total of three **Spotted wing *Drosophila*** (SWD) were trapped at the research station this week in Montmorency tart cherries. We have not checked the regional trap line at this time and will report SWD catches later this week. **Cherry fruit fly** catches remain low (a total of 2 CFF) at the station. In the last week, CFF catches have been variable in the region with most reports of low CFF (less than 3 per trap) and up to 18 CFF on a trap. So far this season, both SWD and CFF have been detected on Old Mission and in Antrim, Benzie, and Leelanau Counties. Growers need to be diligent about controlling both SWD and CFF through harvest to prevent infested fruit at harvest. We have received a few isolated reports of **plum curculio** (PC) larvae in fruit. The larvae are large and are likely late instars. Mature PC larvae will exit fruit to pupate and overwinter in the soil. Unfortunately, when larvae are in fruit, it is likely too late to treat for PC. Obliquebanded leafroller (OBLR) catches at the station have been low this season and we have not reached the threshold of 20 moths per trap to set biofix. This week we found an average of one **obliquebanded leafroller** moth per trap and have not found a substantial population of summer generation larvae in cherry trees at the station. Although OBLR populations have been low in most scouted orchards, in orchards where high OBLR populations (20+ moths per trap) have been found, growers should consider a pre-harvest application targeting OBLR larvae to prevent shaking larvae into tanks at harvest. Cool and wet conditions that are predicted in the coming week should slow the development of **two-spotted spider mite** and **European red mite** populations. We will continue to monitor mite populations in the coming weeks. **Peachtree borers** and **American plum borer** activity is ongoing at the station with an average of 11 **greater peachtree borers**, 8.3 **lesser peachtree borers**, and 16 **American plum borers** per trap.

In apples, second generation **spotted tentiform leafminer** moths at the station are on the decline with an average of 63.5 moths per trap. We have not found signs of substantial populations of **codling moth** and **obliquebanded leafroller** or larvae damage/entries in fruit at this time. We found an average of one codling moth per trap and two obliquebanded leafroller moths per trap. The first catch of **apple maggot** was last week and we found a total of one apple maggot fly this week. In some orchards, **aphid** and **leafhopper** feeding has distorted leaves on terminals. A few isolated incidences of low **apple scab** infection have been observed. The last apple scab infection periods recorded by the Enviro-weather scab model occurred over the weekend on Saturday 26 July in East Leland, Eastport, Elk Rapids, Kewadin, Old Mission, and Northport.

DISASTER ASSISTANCE FOR 2012 FROST OR FREEZE FRUIT CROP LOSSES ANNOUNCED

Enrollment Begins, July 22

WASHINGTON, July 21, 2014 – The U.S. Department of Agriculture (USDA) today announced Noninsured Crop Disaster Assistance Program (NAP) assistance for losses to bush or tree fruit crops due to frost or freeze during the 2012 crop year. The program, authorized by the 2014 Farm Bill, provides supplemental NAP payments to eligible producers.

Farmers who did not have access to crop insurance and are in primary and adjacent counties that received a Secretarial disaster designation because of frost or freeze in 2012 are eligible for NAP assistance. Losses due to weather damage or other adverse natural occurrences may also qualify for program assistance.

NAP enrollment begins July 22, 2014. **Applications must be submitted to FSA county offices by Sept. 22, 2014.**

“After the 2014 Farm Bill was enacted into law, USDA expedited the restart of disaster assistance programs as a top priority,” said FSA Administrator Juan Garcia. “Fruit producers experienced significant financial losses from weather-related damage in 2012. NAP provides them with long-awaited disaster relief.”

To expedite applications, producers who experienced losses are encouraged to collect records documenting these losses in preparation for the sign-up in this program. Producers also are encouraged to contact their FSA county office to schedule an appointment. Limited resource, socially disadvantaged, and beginning producers are eligible for premium reductions and also may be eligible for fee reductions.

Interested producers can view the 2012 NAP Coverage for Frost, Freeze or Weather Related Fruit Losses Fact Sheet at <http://go.usa.gov/5kSQ> , or visit a local FSA office. To find out if land is located in an eligible frost/freeze county, visit <http://go.usa.gov/53rz>.

Today's announcement was made possible through the 2014 Farm Bill, which builds on historic economic gains in rural America over the past five years, while achieving meaningful reform and billions of dollars in savings for the taxpayer. Since enactment, USDA has made significant progress to implement each provision of this critical legislation, including providing disaster relief to farmers and ranchers; strengthening risk management tools; expanding access to rural credit; funding critical research; establishing innovative public-private conservation partnerships; developing new markets for rural-made products; and investing in infrastructure, housing and community facilities to help improve quality of life in rural America. For more information, visit www.usda.gov/farmbill .

Farm Service Agency

3001 Coolidge Rd. Suite 350
East Lansing, MI 48823
517-324-5110

Website <http://www.fsa.usda.gov>

SOUTHWEST GRAPE PRE-HARVEST MEETING

Date: August 21, 2014

Time: 5:00 pm - 8:00 pm

Location: Lemon Creek Winery, 533 E. Lemon Creek Rd., Berrien Springs, MI 49013

Contact: Brad Baughman, Berrien County Horticulture Extension Educator.

baughm30@anr.msu.edu (269)-944-0157

Southwest Grape Preharvest Meeting Thursday, August 21st 5-8 p.m. Lemon Creek Winery 533 E. Lemon Creek Road, Berrien Springs, MI 49103. This meeting is an opportunity for the grape grower and processor community of Southwest Michigan to discuss the challenges and successes of the growing season thus far, spray decisions leading up to harvest, recovery from 2013-2014 winter injury, and other issues with each other and with experts from Michigan State University (MSU). Dinner is included in registration and will be served at 5 p.m. 2 RUP recertification credits have been requested. Topics and speakers will be: "Rebuilding winter-injured vineyards" (Tom Zabadal, SW Michigan Research and Extension Center), "Pre-harvest insect management decisions" (Rufus Isaacs, MSU Department of Entomology), "Late-season disease management" (Annemiek Shilder, MSU Department of Plant, Soil, & Microbial Sciences), "Canopy management after winter injury" (Paolo Sabbatini, MSU Department of Horticulture) Cost: \$15 per person.

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/>

Fruit CAT Alert Reports have moved to MSU News:

<http://news.msue.msu.edu>

NW Michigan Horticultural Research Center

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Web site: <http://agbioresearch.msu.edu/nwmihort>



Weathering the Climate

Cultivation & Technology in Grape Production 9.5.2014

HAGERTY CONFERENCE CENTER, NORTHWESTERN MICHIGAN COLLEGE

8-8:30am	Welcome and Conference Overview (continental breakfast) Brian Matchett, <i>Michigan State University, Institute of Agricultural Technology</i>
8:30-9:30am	Climate Change and Potential Agronomic Impacts in the Great Lakes Region Dr. Jeff Andresen, <i>Michigan State University, Dept. of Geography</i>
9:30-10:30am	Impacts of the 2014 Polar Vortex on Grapes: Lessons Learned Dr. Imed Dami, <i>Ohio State University, Dept. of Horticulture and Crop Science</i>
10:30-10:45am	Break
10:45-11:45am	How to Manage your Grapes for our Changing Climate Dr. Paolo Sabbatini, <i>Michigan State University, Dept. of Horticulture</i> Dr. Duke Elsner, <i>Michigan State University Extension</i>
11:45am-12:30pm	Unmanned Systems and Technology Applications in Viticulture Mr. Ed Bailey, <i>Northwestern Michigan College, Technical Division</i> Mr. Tony Sauerbrey, <i>Northwestern Michigan College, Unmanned Aerial Systems</i>
12:30-1:30pm	Lunch (on site)
1:30-2pm	Travel to Chateau Chantal Vineyard & Winery

CHATEAU CHANTAL VINEYARD & WINERY

2-3:30pm	Vineyard Demonstration - Unmanned Systems and Technology Applications Mr. Ed Bailey, <i>Northwestern Michigan College, Technical Division</i> Mr. Tony Sauerbrey, <i>Northwestern Michigan College, Unmanned Aerial Systems</i>
3:30-4:30pm	Grape Grower Panel Discussion (Chateau Chantal cellar) - What is next for technology applications in grape production? - How will growers make adjustments for our changing climate?
4:30-5:30pm	Discussion, cont. (Chateau Chantal cellar) Hors d' oeuvres and wine tasting
5:30-6:30pm	Dinner, The Peninsula Grill (included with Option 2 registration)

GROWERS PANEL DISCUSSION PARTICIPANTS: Ben Bramer, *Agrivine*; Stan Howell, *Professor Emeritus, Michigan State University Dept. of Horticulture*; Mark Johnson, *Chateau Chantal*; Larry Mawby, *L. Mawby Vineyards*; James Peters, *Straits Area Grape Growers Association*; Coenraad Stassen, *Brys Estate Vineyard*



Weathering the Climate

Cultivation & Technology in Grape Production 9.5.2014

CONFERENCE INFORMATION

Date: September 5, 2014

Time: 8am-5:30pm

Locations: Hagerty Conference Center, Northwestern Michigan College's Great Lakes Campus (morning)
and Chateau Chantal Vineyard & Winery (afternoon), Traverse City, Michigan

Online registration:

<http://store.chateauchantal.com/store/product/4748/NMC-MSU-Weathering-theClimate2/> (w/o dinner)

<http://store.chateauchantal.com/store/product/4747/NMC-MSU-Weathering-theClimate/> (includes dinner)

Advanced Registration Deadline: August 22, 2014

CONTACT INFORMATION

Name: _____

Vineyard/Winery or Company Name: _____

Address: _____

City/State/Zip: _____

Phone: _____ E-mail: _____

PRICING

Option 1: \$60 - Includes conference, breakfast, lunch, and wine tasting/hors d' oeuvres

Option 2: \$85 - Includes all of the above plus dinner at The Peninsula Grill

Registrant #1: _____ ☐ \$60 or ☐ \$85

Registrant #2: _____ ☐ \$60 or ☐ \$85

Registrant #3: _____ ☐ \$60 or ☐ \$85

Registrant #4: _____ ☐ \$60 or ☐ \$85

PAYMENT

Amount total (from above registrants): \$ _____

Please make checks payable to: **Michigan Wine Foundation**

Send check and registration form to:

Liz Berger

c/o Chateau Chantal

15900 Rue de Vin

Traverse City, MI 49686