News you can use

Disease management
Continue to monitor for foliar and fruit diseases. Continue checking susceptible varieties against downy and powdery mildew.

Don’t forget to bring disease samples (including virus symptoms) to the Viticulture Field Day for free disease diagnosis. Keep samples cool if possible.

Insect management
Continue to scout inside canopies for grape berry moth and leafhoppers. Protect clusters from berry moth in high pressure sites.

Viticulture field day tomorrow
The annual Viticulture Field Day is tomorrow, July 29th. See the June 25 Newsletter for program details. Registration is available on site.

Pre-harvest enology workshop
Our next enology workshop is on August 16th (Fennville) and August 18th (Suttons Bay). Registration is limited to 50 people at each location. See the flyer and registration on page 6 of this newsletter or go here for online registration. Registration deadline is August 12th.

Growing degree days

<table>
<thead>
<tr>
<th>Location</th>
<th>7/20</th>
<th>7/27</th>
<th>forecast 8/3</th>
<th>2010</th>
<th>2009</th>
<th>5-yr Avg*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawton</td>
<td>1678</td>
<td>1855</td>
<td>2022</td>
<td>1678</td>
<td>1855</td>
<td>2022</td>
</tr>
<tr>
<td>Leelanau</td>
<td>1377</td>
<td>1527</td>
<td>1695</td>
<td>1377</td>
<td>1527</td>
<td>1695</td>
</tr>
<tr>
<td>Old Mission</td>
<td>1290</td>
<td>1435</td>
<td>1603</td>
<td>1290</td>
<td>1435</td>
<td>1603</td>
</tr>
</tbody>
</table>

*5-yr Avg = 2005 to 2009
See enviroweather.msu.edu for more information.
It’s been a warm summer in the north along with the rest of the state. Daytime temperatures are in the low to mid-80s and nighttime temperatures in the 60s. We have accumulated 2400 GDD base 42 and 1538 base 50. Our 20-year average is well below the 2010 accumulations: 2027 GDD base 42 and 1277 GDD base 50. Overall rainfall for the month of July has been low, but we did receive substantial rain on 22 July, 1.46” at the NWMHRS. There was also variable rainfall across the region on 24 and 27 July. Humidity has been higher this season than is typical of the northwest. Vines have really shot up over the past weeks and hedging is underway in many vineyards.

We continue to monitor for grape berry moth (GBM) activity; although there was no significant adult trap catch this season larval webbing is becoming visible in clusters in area vineyards. According to the GBM model, as of 27 July we have accumulated 1309 DD47 at the NW Research Station based on a biofix of 26 May (wild grape bloom). According to the GBM model, 1st generation egg laying began around 7 July, the window for treatment is closed at this time. The next opportunity for treatment will coincide with 2nd generation egg laying (1620 DD47), growth regulators like Intrepid are best timed right at egg laying but broad spectrum larvacides should be delayed 200 DD, to target 1820 DD47. There are a number of effective berry moth materials, refer to the E-154 Fruit Management Guide and the June 25 Newsletter for more information.

Potato leafhopper adults continue to be trapped at moderate levels, but no nymph or adult activity was observed on vines this week and few growers report the need for management. Additionally, the earwig population remains intense in area vines. Earwigs (Fig. 3) are not considered a pest of grape, but do pose concern when populations are present in the clusters at harvest.

Downey mildew has been seen sporadically in area vineyards, and powdery mildew is beginning to show up at low levels around the region (check the 3rd and 4th basal leaves). It is likely that significant powdery mildew infections will become visible soon, although we have received no reports of severe infections yet this season. Botrytis has also been spotted in one area vineyard, not surprising given the persistent wetting events as of late.

-E.L.
SOUTHWEST

Steve Van Timmeren, Research Technician
Trevor Nichols Research Complex

Grape Berry Moth. Grape berry moth adult moth trap catches increased at the higher pressure sites this week as the next generation of adults begins to emerge. This increase is right on track with previous years when compared to growing degree day accumulation. The figure shows this increase at the Berrien Concord site compared to the six year average. There also was a slight increase in infested clusters as adult from the previous generation continue to lay eggs. Overall, GBM populations are higher this year than they have been in the last couple of years. Make sure you don’t let last year’s lower GBM levels lull you into complacency.

The GBM growing degree day model predicts that the next generation of egg-laying (1620 GDD after biofix) should be starting this week (mid-week in Van Buren and Berrien counties, late in the week in Allegan county). This fits well with the increase in GBM adults being caught in the traps at the high pressure sites. Remember that this is just the beginning of egg-laying that will continue through August. You should plan your spray program accordingly. If you use an insecticide with a shorter residual time you may want to wait a bit to spray in order to maximize the spray.

Japanese Beetles. Japanese beetles remain low at the Allegan Chardonnay site due to a border insecticide application last week. Populations are also still low at the Berrien Vignoles site, most likely because an adjacent grassy field was tilled this year thus killing most of the larvae that would have emerged as adults. The number of adults at the Berrien Concord site increased quite a bit this week, however feeding damage is occurring slowly due to the natural toughness of the Concord leaves (compared to wine grape leaves). When you scout pay attention to where the beetles are in your blocks since their populations can vary quite a bit from block to block and within individual blocks. If you mainly have beetles at your borders you may be able to get by with just a border spray. This could be especially useful if you have frost-damaged vineyards that don’t need to be managed as tightly as harvestable blocks.

Black Rot. Black rot-infected berries continue to mummify. Since the berries are now immune to new infections, there’s not much to do for this disease any more this season. However, if you assess the damage in your vineyards right now you can get a good idea of where your problem areas are and where you may want to have a tighter spray program next spring.

Powdery Mildew. Powdery mildew can only be found at the Berrien Concord site and even there it’s only being found sporadically on berries and cluster rachises. At this point berries should be immune to new infections, however, leaves are still susceptible.

<table>
<thead>
<tr>
<th>Site</th>
<th>Biofix date</th>
<th>7/13</th>
<th>7/20</th>
<th>7/27</th>
<th>proj. 8/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allegan Chard</td>
<td>May 26</td>
<td>1054</td>
<td>1246</td>
<td>1430</td>
<td>1644</td>
</tr>
<tr>
<td>Berrien Concord</td>
<td>May 24</td>
<td>1197</td>
<td>1403</td>
<td>1606</td>
<td>1783</td>
</tr>
<tr>
<td>Berrien Vignoles</td>
<td>May 24</td>
<td>1192</td>
<td>1397</td>
<td>1598</td>
<td>1775</td>
</tr>
<tr>
<td>Van Buren Concord</td>
<td>May 26</td>
<td>1134</td>
<td>1340</td>
<td>1538</td>
<td>1715</td>
</tr>
</tbody>
</table>
Downy Mildew. *Downy mildew* started showing up on leaves a few weeks ago at the two Concord sites. However, since that time infections haven’t increased at all and some colonies appear to be dying out. Keep a close eye out in susceptible varieties as infections can increase rapidly.

**Botrytis.** *Botrytis* infections increased slightly at the Allegan Chardonnay site. Several of the newer infections appear to be on previously damaged berries or spreading from infections on adjacent berries. If you have varieties that have problems with Botrytis you should watch carefully as we approach veraison.

**Growth Stages.** All clusters are still at the green fruit stage.

-S.V.
2010 NW Wine Grape IPM Updates
More information: Erin Lizotte, 231-946-1510.
August 6
3-5PM
Ligon Farm, Traverse City (OMP)
Speaker: Paolo Sabbatini

September 3
3-5PM
L. Mawby, Suttons Bay
Speaker: Rufus Isaacs

2010 NWMHRS Annual Open House
More information: Nikki Rothwell, 231-946-1510.
August 19
NWMHRS, Traverse City

2010 TNRC Field Day
September 28
1-4PM
TNRC, Fennville
Speakers: Rufus Isaacs, Annemiek Schilder, John Wise, Larry Gut, Mark Whalon, George Sundin.

2010 SW Juice Grape Grower Meetings
More information: Mark Longstroth
269-330-2790 or Diane Brown-Rytlewski
269-944-4126 X4012.
August 17
1:30-3:30PM
Lemon Creek Winery, Berrien Springs
Speakers: Annemiek Schilder & Rufus Isaacs

2010 SW Wine Grape grower meetings
More information: Diane Brown-Rytlewski
269-944-4126 X4012.
August 4
12PM
Karma Vista Winery, Coloma

2010 SW Viticulture Field Day
July 29
9AM-5PM
SWMREC, Benton Harbor
Please note this event is on a Thursday this year.

2010 Pre-harvest Enology Education Workshops
Keynote speaker: Dr. Nichola Hall of Scott Labs.
Online registration here.
August 16 - SW Michigan
9AM-4PM
Fenn Valley Vineyards, Fennville

August 18 - NW Michigan
9AM-4PM
L. Mawby, Suttons Bay

2011 Great Lakes Fruit, Vegetable, & Farm Market Expo
More information: Mark Longstroth, 269-330-2790 or Diane Brown-Rytlewski
269-944-4126 X4012.
December 7-9
DeVos Place Convention Center, Grand Rapids
Grape sessions are being planned.

2011 SW Hort Days
February 9-10 (Tentative)
Lake Michigan College, Benton Harbor

MSU is an affirmative-action, equal-opportunity employer. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status or veteran status. Issued in furtherance of MSU Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Thomas G. Coon, Director, MSU Extension, East Lansing, MI 48824. This information is for educational purposes only. Reference to commercial products or trade names does not imply endorsement by MSU Extension or bias against those not mentioned.
Pre-harvest Winemaker Workshop

Keynote Speaker: Dr. Nichola Hall, Scott Labs

August 16, 2010
Fennville
9AM-4PM

Fenn Valley Vineyards & Wine Cellar
6130 122nd Avenue
Fennville, MI 49408
269-561-2396

August 18, 2010
Suttons Bay
9AM-4PM

L. Mawby
4519 S. Elm Valley Road
Suttons Bay, MI 49682
231-271-3522

ADVANCED REGISTRATION REQUIRED!
REGISTRATION DEADLINE IS AUGUST 12TH!

COST:
$75 (includes lunch) for 1st person from each winery
$15 (includes lunch) for each additional person from same winery

Payment options:
1. Online Credit Card Registration here
2. Send your completed registration with check to:
   Paul Jenkins
   MSU
   B18 Food Safety
   East Lansing, MI 48824

9:00AM Welcome and introductions
Paul Jenkins, MSU

9:10AM Microbial ecology, nutrition, and fermentation management
Dr. Nichola Hall, Scott Labs

11:00AM Educational wine tasting: Yeast and bacteria trials
Dr. Nichola Hall, Scott Labs

12:30PM Lunch

1:15PM Microbial control and winery sanitation
Dr. Nichola Hall, Scott Labs

3:15PM A biological approach to detecting and identifying spoilage microorganisms in wine
Dr. Thomas Prychitko, Helix Biological Laboratory

3:30PM Open forum discussion for winemakers
PRE-HARVEST WORKSHOP REGISTRATION FORM

Advanced Registration Deadline: August 12

1. Select the workshop you plan to attend.

☐ Monday, August 16  Location: Fenn Valley Vineyards & Wine Cellar, Fennville

☐ Wednesday, August 18 Location: L. Mawby, Suttons Bay

2. Contact information.

Name or Winery Name: _____________________________________________

Address: _________________________________________________________

City___________________________ State______Zip_________

Phone____________________Email:_______________________

3. Attendance and cost. This workshop is priced to encourage attendance by as many people as possible from each winery. $75 first person; $15 each additional person.

Registrant #1 _____________________________________________ X $75.00
Registrant #2 _____________________________________________ X $15.00
Registrant #3 _____________________________________________ X $15.00
Registrant #4 _____________________________________________ X $15.00
Registrant #5 _____________________________________________ X $15.00

TOTAL  $_______

4. Payment. Check payable to Michigan Wine Foundation. Send check and registration form to:

Paul Jenkins
Michigan State University
B18 Food Safety & Toxicology
East Lansing, MI 48824

Online Credit Card registration available here.