I will be travelling to Egypt again this summer, and will be
gone from Wednesday, June 27 to Sunday, July 8. Because
of that and the July 4th holiday, there will be no Vineyard
Update next week. The next one will be sent on
Wednesday, July 11 after I return. – Hans

In the Vineyard

A blast of summer heat will hit the Finger Lakes this weekend. Temperatures are forecast to be in the mid-90s and pushing 100°F on Saturday and Sunday, and stay pretty warm through much of next week. Combine that with today’s rain and you have the potential for some serious shoot growth over the coming days. First and foremost though – take it easy if you’ll be working in the vines this weekend.

Now that we are pushing through fruit set, one thing that was discussed at yesterday’s Tailgate Meeting was leaf removal. We know from work done at Cornell by Justin Scheiner, Justine Vanden Heuvel, Gavin Sacks and others that removing leaves just after fruit set in varieties that can have noticeable levels of methoxypyrazines (MP) – that compound that smells like green peppers – such as Cabernet Franc can reduce the amount of MPs that are synthesized in the fruit, and thus reducing the amount that is present at harvest. They found that improving cluster light exposure early in berry development – shortly after fruit set – by leaf pulling could reduce the development of MPs. We also know that earlier leaf pulling can help to reduce sunburn damage later in the season compared to pulling leaves later in the season. Leaf pulling also has benefits for pest management as it improves the ability for sunlight and air movement to help dry clusters when they are wet, and for spray penetration.

IPM

Another topic discussed at the Tailgate meeting yesterday was grape rootworm, a pest that has not been a significant problem in the Finger Lakes, but is “reemerging” in some parts of the Lake Erie region. The adults feed on leaves above ground, creating a chain-like feeding symptom (see photo). However, it’s the larvae that are the main cause of concern with this pest, as they feed on grape roots and can cause a reduction in vine size and productivity over time.

As I said, I have seen very few symptoms of feeding by this pest in the Finger Lakes, but ran across some the other day in a vineyard on Keuka Lake, and thought it would be a good opportunity
In the Vineyard (continued from page 1)

to get some information out about this pest in case you see symptoms that look like this on leaves. You can read more about grape rootworm in the NYS IPM grape rootworm factsheet, or see how the Lake Erie team is using new vineyard technology to identify and manage grape rootworm.

Grape Berry Moth

Based on the forecast temperatures over the next week, the GBM model is indicating that we will be close to the window for a control spray for GBM by sometime around July 4 in warmer locations. As that window approaches (beginning at 810 degree days since wild grape bloom), scouting to determine damage from the first generation of GBM can help with making decisions about whether a spray is warranted or not. The recommendation is that treatment at this stage is warranted if there is greater than 6% damage from first generation GBM on clusters.

The GBM model can be found at http://newa.cornell.edu/index.php?page=grape-diseases.
Upcoming Events

Don’t forget to check out the calendar on our website (http://flgp.cce.cornell.edu/events.php) for more information about these and other events relevant to the Finger Lakes grape industry.

Tailgate Meeting #5
Tuesday, July 10, 2018 4:30 – 6:00 PM
Bully Hill Vineyards
9121 Greyton H Taylor Memorial Dr.
Hammondsport NY 14840

Our fifth Tailgate Meeting of the season will be held at Bully Hill Vineyards in Hammondsport. Pesticide credits have been approved for each Tailgate Meeting this season. No registration required – just bring a chair and your questions and observations about what’s going on in the vineyard.

Respirator Fit Testing
July 16-17, 2018
Fulkerson Winery
5576 Route 14, Dundee NY
Anybody who still needs to have their respirator fit test completed can take advantage of this opportunity to do so at Fulkerson Winery. Do not call the winery to make your appointment. Instead, call NYCAMH at (607) 547-6023.
2018 GDD & Precipitation

**FLX Teaching & Demonstration Vineyard – Dresden, NY**

<table>
<thead>
<tr>
<th>Date</th>
<th>Hi Temp (F)</th>
<th>Lo Temp (F)</th>
<th>Rain (inches)</th>
<th>Daily GDDs</th>
<th>Total GDDs</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/20/2018</td>
<td>79.1</td>
<td>55.8</td>
<td>0.00</td>
<td>17.5</td>
<td>780.8</td>
</tr>
<tr>
<td>6/21/2018</td>
<td>69.8</td>
<td>53.6</td>
<td>0.00</td>
<td>11.7</td>
<td>792.5</td>
</tr>
<tr>
<td>6/22/2018</td>
<td>77.7</td>
<td>48.5</td>
<td>0.14</td>
<td>13.1</td>
<td>805.6</td>
</tr>
<tr>
<td>6/23/2018</td>
<td>74.0</td>
<td>60.9</td>
<td>0.04</td>
<td>17.5</td>
<td>823.1</td>
</tr>
<tr>
<td>6/24/2018</td>
<td>69.1</td>
<td>60.6</td>
<td>0.28</td>
<td>14.9</td>
<td>837.9</td>
</tr>
<tr>
<td>6/25/2018</td>
<td>69.8</td>
<td>53.1</td>
<td>0.00</td>
<td>11.5</td>
<td>849.4</td>
</tr>
<tr>
<td>6/26/2018</td>
<td>81.5</td>
<td>48.1</td>
<td>0.00</td>
<td>14.8</td>
<td>864.2</td>
</tr>
<tr>
<td>Weekly Total</td>
<td></td>
<td></td>
<td>0.46”</td>
<td></td>
<td>100.8</td>
</tr>
<tr>
<td>Season Total</td>
<td></td>
<td></td>
<td>6.89”</td>
<td></td>
<td>864.2</td>
</tr>
</tbody>
</table>

GDDs as of June 26, 2017: 881.2
Rainfall as of June 26, 2017: 11.04”

Seasonal Comparisons (at Geneva) as of June 26

**Growing Degree Day**

<table>
<thead>
<tr>
<th></th>
<th>2018 GDD</th>
<th>Long-term Avg GDD</th>
<th>Cumulative days ahead (+)/behind (-)</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>8.2</td>
<td>65.4</td>
<td></td>
</tr>
<tr>
<td>May</td>
<td>416.3</td>
<td>251.9</td>
<td></td>
</tr>
<tr>
<td>June</td>
<td>382.0</td>
<td>406.0</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>August</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>September</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>October</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>806.5</td>
<td>723.3</td>
<td>+5</td>
</tr>
</tbody>
</table>

1 Accumulated GDDs for each month.
2 The long-term average (1973-2017) GDD accumulation as of that date in the month.
3 Numbers at the end of each month represent where this year’s GDD accumulation stands relative to the long-term average. The most recent number represents the current status.
## 2018 GDD & Precipitation
(continued from page 10)

### Precipitation

<table>
<thead>
<tr>
<th></th>
<th>2018 Rain</th>
<th>Long-term Avg Rain</th>
<th>Monthly deviation from avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>1.92”</td>
<td>2.87</td>
<td>-0.93”</td>
</tr>
<tr>
<td>May</td>
<td>3.15”</td>
<td>3.13</td>
<td>+0.02”</td>
</tr>
<tr>
<td>June</td>
<td>1.38”</td>
<td>3.62</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td></td>
<td>3.45</td>
<td></td>
</tr>
<tr>
<td>August</td>
<td></td>
<td>3.14</td>
<td></td>
</tr>
<tr>
<td>Sept</td>
<td></td>
<td>3.57</td>
<td></td>
</tr>
<tr>
<td>Oct</td>
<td></td>
<td>3.37</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>6.45”</td>
<td>23.16”</td>
<td></td>
</tr>
</tbody>
</table>

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4 Monthly rainfall totals up to current date  
5 Long-term average rainfall for the month (total)  
6 Monthly deviation from average (calculated at the end of the month)
Finger Lakes Grape Program

Additional Information

Become a fan of the Finger Lakes Grape Program on Facebook, or follow us on Twitter (@cceflgp) as well as YouTube. Also check out our website at http://flgp.cce.cornell.edu.

Got some grapes to sell? Looking to buy some equipment or bulk wine? List your ad on the NY Grape & Wine Classifieds website today!

Finger Lakes Grape Program Advisory Committee

Eric Amberg- Grafted Grapevine Nursery
Bill Dalrymple- Dalrymple Farm
Matt Doyle- Doyle Vineyard Management
Eileen Farnan- Barrington Cellars
Chris Gerling- Cornell University Extension
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Cornell Cooperative Extension
Finger Lakes Grape Program
Hans Walter-Peterson—Team Leader
Donald Caldwell—Viticulture Technician

The Finger Lakes Grape Program is supported, in part, by six county Cornell Cooperative Extensions Associations: Ontario, Seneca, Schuyler, Steuben, Wayne and Yates. flgp.cce.cornell.edu

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