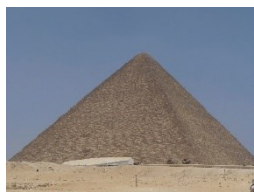


Finger Lakes Vineyard Update

In the Vineyard

Hans Walter-Peterson



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

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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>.

NEWA Grape Forecast Models

Select a disease or insect:
Grape Berry Moth

State:
New York

Weather station:
Dresden (FLX TDV)

Date of Interest:
6/27/2018

Calculate

Map

Results

More info

Grape Berry Moth Results for Dresden (FLX TDV)

Wild Grape Bloom: 5/29/2018

Wild Grape Bloom date above is estimated based on degree day accumulations or user input. Enter the actual date for blocks of interest and the model will calculate the results more accurately.

Accumulated degree days (base 47.14°F) wild grape bloom through 6/27/2018: 566 (0 days missing)

Daily Degree Days for Dresden (FLX TDV)

Base Temp	Past	Past	Current	5-Day Forecast			Forecast Details	
	Jun 25	Jun 26	Jun 27	Jun 28	Jun 29	Jun 30	Jul 1	Jul 2
47.14F - GBM	16	18	20	26	28	33	37	35
Accumulation	537	555	575	601	629	661	699	733

NA - not available

Download Time: 6/27/2018

Pest Status	Pest Management
Feeding by first generation will cease and pupation will begin when approximately 500 DD have accumulated after wild grape bloom.	The time for treatment of first generation grape berry moth is over.

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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.**

Finger Lakes Vineyard Update

Finger Lakes Grape Program

June 27, 2018

2018 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
6/20/2018	79.1	55.8	0.00	17.5	780.8
6/21/2018	69.8	53.6	0.00	11.7	792.5
6/22/2018	77.7	48.5	0.14	13.1	805.6
6/23/2018	74.0	60.9	0.04	17.5	823.1
6/24/2018	69.1	60.6	0.28	14.9	837.9
6/25/2018	69.8	53.1	0.00	11.5	849.4
6/26/2018	81.5	48.1	0.00	14.8	864.2
Weekly Total			0.46"	100.8	
Season Total			6.89"	864.2	

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

	2018 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-)
April	8.2	65.4	
May	416.3	251.9	
June	382.0	406.0	
July			
August			
September			
October			
TOTAL	806.5	723.3	+5

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

	2018 Rain ⁴	Long-term Avg Rain ⁵	Monthly deviation from avg ⁶
April	1.92"	2.87	-0.93"
May	3.15"	3.13	+0.02"
June	1.38"	3.62	
July		3.45	
August		3.14	
September		3.57	
October		3.37	
TOTAL	6.45"	23.16"	

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)

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

Mel Goldman- Keuka Lake Vineyards

Luke Haggerty- Constellation Brands

Tina Hazlitt- Sawmill Creek Vineyards

Cameron Hosmer- Hosmer Winery

Harry Humphreys- Overlook Farms

Richard Jerome- Jerome's U-Pick

Gregg McConnell- Farm Credit East

Herm Young- Young Sommer Winery

John Santos- Hazlitt 1852 Vineyards

Dave Smith- Smith Brothers Farms

Justine Vanden Heuvel- Cornell University

Derek Wilber- Swedish Hill Winery

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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
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