

Finger Lakes Vineyard Update

In the Vineyard

Hans Walter-Peterson

In the Vineyard

A few more varieties have hit veraison this week at the Teaching Vineyard near Dresden, including Diamond, Marquis (our other seedless table grape) and NY81.0315.17, a selection from Bruce Reisch's breeding program with Riesling and Cayuga White as parents. We are also seeing changing color and softening in Lemberger and Chardonnay, as well as Gewürztraminer, Pinot noir and gris, and a few others in vineyards around the Finger Lakes.

And if it's hard to believe that we're already at veraison in the Finger Lakes (like it is for me), here's another tidbit for you – Constellation Brands is looking to start bringing in Aurore grapes the week of August 20, less than two weeks from now. As always, the grapes wait for no one.

Nutrient Testing: The window for taking late summer petiole samples to determine nutrient status is opening now as the fruit softens and begins to turn color. You can get petiole sampling instructions and forms from any commercial lab, or from your local Extension office. I'm happy to sit down with growers to discuss results from petiole and soil tests to help put together recommendations for nutrient management this fall. You can learn about how to take petiole samples from our YouTube video ["How to Sample Petioles in the Vineyard"](#).

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Marquette almost fully colored on August 7.

IPM



Botrytis Materials and Resistance Groups: As the fruit begins to ripen, disease management programs need to start including botrytis control for those growers with susceptible varieties. The table below categorizes each of the materials included in this year's IPM Grape Guidelines for botrytis control based on their resistance group. Materials in the same resistance group can be considered the same type of chemical for the purpose of determining a good chemical rotation for botrytis.

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Finger Lakes Grape Program

August 9, 2018

In the Vineyard (continued from page 1)

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Resistance Group 2	Resistance Group 7	Resistance Group 9	Resistance Group 11	Resistance Group 17	Resistance Group 19	Resistance Group 44
Meteor	Endura	Inspire Super	Flint	Elevate	Ph-D	Double Nickel
Rovral	Pristine	Vangard	Intuity		Tavano	
	Luna Experience	Scala			Oso	
		Switch				

No resistance group: Botector

Grape Berry Moth

Most of the warmer sites in the Finger Lakes are nearing the end or past the 1620 - 1700 degree day window for effective insecticide applications to control GBM. Cooler areas, including Branchport, Hammondsport, South Bristol, and up in Wayne County, are at or approaching that window now. Just because a vineyard is within the appropriate window to apply an insecticide, however, doesn't mean that it is necessary to do so. Results from scouting should still dictate the need for an application. The suggested threshold presented in the output of the berry moth model is for damage on 15% of clusters. A lower threshold should probably be used for higher value varieties or those with a higher potential for bunch rot development (e.g., Pinot noir, Riesling, Vignoles, Chardonnay).

After this point in the season, the GBM model is less effective at predicting spray timings because the moths' generations become less synchronized as the season progresses, to the point where egg-laying is more or less continuous. Growers with higher pressure sites, therefore, should be scouting on a regular basis or the next several weeks to determine if further applications are needed for GBM control. If so, applications should be made on a 7 to 10 day rotation until about mid-September, when their activity pretty much ends.

Weather Station	Degree Days (as of 8/9)	Biofix Date (default)
Branchport	1611	5/30
Dresden (FLX TDV)	1730	5/29
Geneva	1658	5/30
Hammondsport (Doyle)	1572	5/30
Lodi (Lamoreaux)	1702	5/28
Romulus (Buttonwood Grove)	1671	5/30
South Bristol	1609	5/29
Watkins Glen (Lakewood)	1689	5/28
Williamson (Bear Swamp)	1568	6/1

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 #8 – Final Tailgate Meeting of 2018!!

Tuesday, August 21, 2018 4:30 – 6:00 PM

Hosmer Winery

7020 Route 89, Ovid NY 14521

Our final Tailgate Meeting of the season will be held at Hosmer Winery in Ovid. 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.

Lake Erie Regional Grape Program Summer Growers' Conference

Wednesday, August 15, 2018 9:00 AM – 3:30 PM

Cornell Lake Erie Research & Extension Laboratory

6952 West Main Road, Portland NY 14769

For information about the conference agenda, registration costs and more, visit <https://lergp.cce.cornell.edu/event.php?id=378> or contact Kate Robinson at 716-792-2800 x201 with any questions.

USDA-ARS Apple, Grape, and Tart Cherry Germplasm Collection Tour

Saturday, September 15, 2018 9:00 – 11:00 AM

McCarthy Farm

2865 County Road 6 (Preemption Road), Geneva, NY, 14456

(across from St. Mary's Cemetery).

The Clonal collection of Plant Genetic Resources Unit, USDA-ARS, Geneva, NY is pleased to announce our annual tour on September 15, 2018 from 9:00 - 11:00 am. The tour will be a two-hour walking tour (rain or shine!) on uneven ground through the orchard and vineyard. We will walk and talk for 10 minutes about the collection overall, 10 minutes about the tart cherry collection, 30 minutes about the grape collection and 70 minutes about the apple collection. No reservation is needed. If there is any question, please contact Ben Gutierrez at ben.gutierrez@ars.usda.gov or 315-787-2439, or Thomas Chao at c.thomas.chao@ars.usda.gov or 315-787-2454.

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Finger Lakes Grape Program

August 9, 2018

2018 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
8/2/2018	82.0	67.7	0.00	24.9	1743.6
8/3/2018	77.4	69.2	0.00	23.3	1766.9
8/4/2018	85.6	66.1	0.10	25.9	1792.8
8/5/2018	93.2	64.0	0.00	28.6	1821.4
8/6/2018	90.8	70.7	0.08	30.8	1852.1
8/7/2018	80.6	71.4	0.02	26.0	1878.1
8/8/2018	77.9	69.0	0.30	23.5	1901.6
Weekly Total			0.50"	182.8	
Season Total			11.47"	1901.6	

GDDs as of August 8, 2017: 1783.8

Rainfall as of August 8, 2017: 18.71"



Seasonal Comparisons (at Geneva) as of August 8

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	472.3	481.1	
July	704.5	640.7	
August	201.3	166.7	
September			
October			
TOTAL	1802.6	1605.81	+10

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 4)

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	2.50"	3.62"	-1.12"
July	2.98"	3.45"	-0.47"
August	1.03"	3.14"	
September		3.57"	
October		3.37"	
TOTAL	11.58"	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

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Dave Smith- Smith Brothers Farms

Justine Vanden Heuvel- Cornell University

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Cornell Cooperative Extension Finger Lakes Grape Program

Hans Walter-Peterson—Team Leader

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