



Finger Lakes Grape Program

May 12, 2016

Finger Lakes Vineyard Update

Budbreak and Beyond

Gillian Trimmer

As of Monday, the entire Teaching and Demonstration Vineyard in Dresden has gone through budbreak, with the exception of our three rows of Vidal. Even Corot Noir is out, while the Catawba and Cabernet Franc canes are looking almost fluffy with little leaf tips. Jupiter is holding its lead as our earliest variety, with one or two leaves out and tiny shoots showing on many canes. Marquette, however, isn't far behind, with a green leaf here and there pulling away from the expanding bundles that will soon be entire shoots. Many varieties appear to be pushing more primaries than we'd dared hope for after the winter, though reports from growers around the area speak of mixed success. We never really know until the grapes are in the bin, of course, but at least for our little plot, we're feeling optimistic!



Leaves unfold from a Jupiter seedless table grape cane.

May 10th Tailgate Meeting

Gillian Trimmer

The afternoon sun shone on yesterday's Tailgate Meeting at Lucas Vineyards in Interlaken, and we were glad to have a crowd of 16 people trading valuable daylight hours in the vineyard for valuable (at least, we think!) time catching up on the latest and greatest from the Finger Lakes Grape Program. Hans reminded everyone to keep an eye out for grape flea beetle and climbing cutworm damage on swelling buds, and to apply an early phomopsis spray on vines that retain large amounts of old wood such as those trained to a top wire cordon system. Talk turned to new pesticide materials and resistance management, as many growers work to finalize their spray schedules for the season. Several new SDHI (Succinate dehydrogenase inhibitor) materials, mostly in pre-mixes, are reaching the market, as well as a new miticide, Nealta. As always, it's important to read the label carefully to stay within the number of applications allowed for each material, and to be sure that mixes contain the appropriate rate.

Tim Martinson shared with the group about frost prevention trials occurring this spring. Several local commercial vineyards are testing a material that can be sprayed on to vines just prior to a frost event to (hopefully- it's still being tested!) reduce damage. Experimenting with under-vine cover crops was also a main topic of conversation; the Finger Lakes Grape Program has just received a grant from the Farm Viability Institute to test mechanical methods of seeding directly under the vineyard row. Our goal is to find affordable ways to implement the cover-crop research being done by Justine Vanden Heuvel and her team on a commercial scale. Like broken records, Hans and I also reiterated the need for the Finger Lakes grape industry to show support for continuing viticulture research. We want to continue to have new, relevant information to share!

Like at all of our Tailgate Meetings, the group, the location, and the season helped to set the direction of conversation. In addition to a crowd of growers, we were glad to have the insight and ears of a few winemakers and members of supporting industries there to round out the group. We're looking forward to seeing any and all that are interested at our next Tailgate Meeting on May 24th at Gene Stanbro's farm in Naples!



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IPM

Hans Walter-Peterson

The vines are taking their sweet time to push through budbreak, and in many ways that's not a bad thing – unless you have grape flea beetles flying around the vineyard or climbing cutworms crawling up the vines at night, both trying to feed on the swelled buds – then it's a bad thing. Fortunately, we haven't been seeing any evidence of either pest causing damage so far this year, and growers at last night's Tailgate Meeting were saying the same thing. Once the buds have opened and shoots are beginning to elongate, the potential for significant damage to be caused by either pest decreases dramatically. Which hopefully shouldn't be too much longer.



Source: <http://blogs.missouristate.edu>

Once the shoots have reach 3-5" inches long, the focus for many growers needs to shift to applying the first spray of the year, which is primarily targeting phomopsis. The disease overwinters on trunks, cordons and canes and moves onto green tissues primarily by being splashed by rain, which means that vines that are trained to a high-wire system (e.g., top wire cordon or umbrella) are at greater risk for developing infections. Even so, in some years when we have a wet spring, phomopsis infections can be found on vines trained to low-wire systems like VSP. The cost of the spray is fairly inexpensive, and research has shown that controlling phomopsis early in the season can easily pay for itself by preventing infections on cluster stems and keeping berries from shelling off during the season or at harvest.

Be sure to keep an eye on the disease models at NEWA (<http://newa.cornell.edu/index.php?page=grape-diseases>) for indications of when conditions are right to promote disease development.

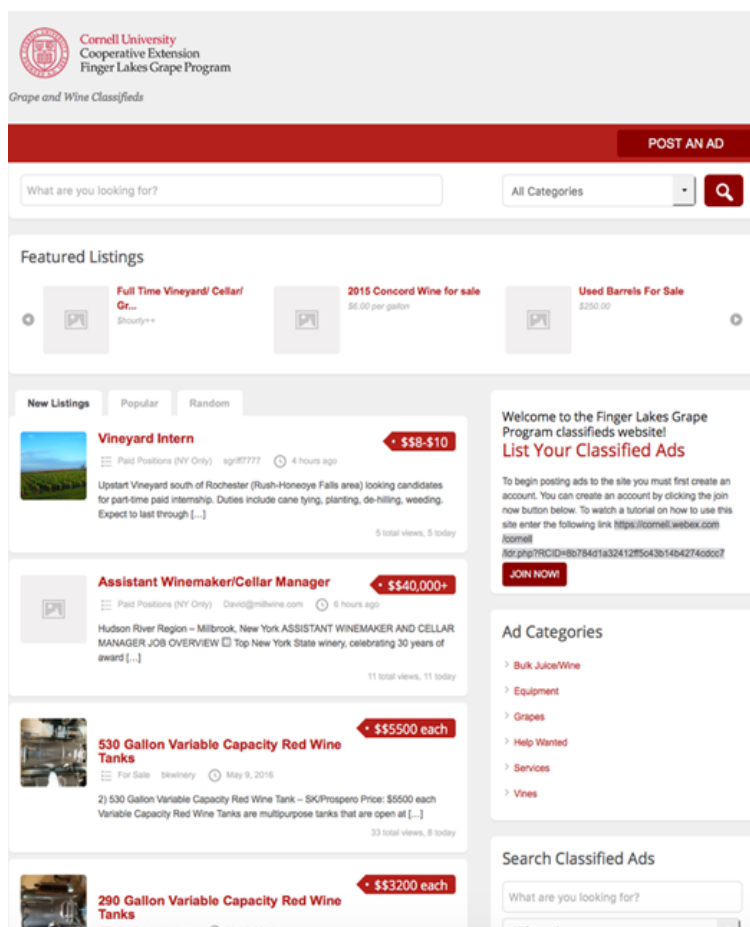
Map Results More info								
Grape Disease Infection Events for Dresden (FLGP/FLCC)								
	Past	Past	Current	Grape Disease 5-Day Forecast				
	May 9	May 10	May 11	Forecast Details				
Phomopsis	No	No	No	Combined	Yes	-	-	-
Powdery Mildew	No	No	No	No	Yes	-	-	-
Black Rot	No	No	No	Combined	Yes	-	-	-
Phomopsis - calculates when weather conditions may allow spores to infect susceptible tissue. Powdery Mildew - runs from bud break until early bloom; calculates when weather conditions may allow overwintered, primary spores (ascospores) to infect susceptible tissue. Black Rot - calculates when weather conditions may allow spores to infect susceptible tissue.								

Have you looked at the NEW Grape & Wine Classifieds Site?

Back in February, we introduced the updated version of the NY Grape & Wine Classifieds system. The new site, which has the same address as the previous version - <http://flgclassifieds.cce.cornell.edu/> - is easier for users to post and manage their own ads, and for us to keep - shall we say, “off topic” ads - from appearing on the site.

Users who want to list ads on the site will now need to register for the site with a user name and password, but it is not necessary to register just to peruse the site. In many ways, the new version acts a lot like the previous one, so learning how to navigate and search through the site should be pretty easy to figure out. If you want a little guidance on how to use the site, we recorded a webinar that we held to demonstrate the new site. You can watch the webinar by going to <https://cornell.webex.com/cornell/ldr.php?RCID=8b784d1a32412ff5c43b14b4274cdcc7>

The site is still free to use for members of the New York industry, but we would appreciate any donations from those who use the site to help continue to support it (we are working on installing a payment button directly on the site). If you ever have any problems with the site, please send an email to gwclassifieds@cornell.edu or call the office at 315-536-5134 and we'll get it taken care of.



NYSERDA Agricultural Energy Audit Program

The New York State Energy Research and Development Authority (NYSERDA) is offering free energy audits for farms and on-farm producers in New York State through the Agricultural Energy Audit Program. Applicants can choose from one of three levels of audits including a simple walk through for smaller operations, a standard energy audit which looks at all farm systems and provides recommendations for energy efficiency upgrades, and a more in-depth audit which includes an analysis of a specific system and/or a renewable assessment. You can also get information on potential funding to help implement any of the changes documented in the audit.

For more information and an application, visit <http://www.nyserdera.ny.gov/All-Programs/Programs/Agriculture-Energy-Audit> or call NYSERDA at 1-800-732-1399.

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 #3

Tuesday, May 24 4:30 – 6:00 PM
Gene Stanbro Farm
5895 Route 21
Naples, NY 14512 ([click here to see a map](#))

Our third Tailgate Meeting of the year will be held at Gene Stanbro's farm near Naples on Tuesday, May 24.

These meetings are held every other week at various grape farms around the Finger Lakes, and are intended to be informal, small-group meetings where FLGP staff and growers can ask questions and discuss issues about vineyard management, IPM strategies or other topics appropriate for that point in the growing season.

Dates and locations for the rest of this year's Tailgate Meetings can be found under the 'Events' section of our website.

The Northern Grapes Project Webinar Series

From Vine to Glass: Understanding the Flavors and Aromas of Cold-Hardy Grapes and Wine

Tuesday, May 17 12:00 PM and 7:00 PM (Eastern Time)

Join Anne Fennell of South Dakota State University, Adrian Hegeman of the University of Minnesota and Somchai Rice of Iowa State University as they discuss their research conducted on Marquette and Frontenac as part of the Northern Grapes Project. Somchai will talk about flavor and aroma development in cold hardy grapes and wine, Anne will discuss gene expression in the flavor aroma and anthocyanins, and Adrian will talk about polyphenolics during development in cold hardy grapes.

Register at https://cornell.qualtrics.com/jfe/form/SV_9vgzv4l37knRtyZ. Registration closes at 8:00 AM on Friday, May 13.

For more information, visit <http://northerngrapesproject.org/>.

Hops Production in the Lake Erie Region

June 11, 2016 9:00 AM – 4:00 PM
Cornell Lake Erie Research & Extension Lab
6592 West Main Road
Portland, NY 14769

This workshop is designed to provide some background information related to hops production as well as tackling some of the techniques that will help you to become profitable with your hops production. Topics include choosing the right plants, site selection, trellis layout and nutrition. Also covered will be how to work with a brewery to give them the hops they are looking for, and in what form. There will be in-field opportunities to interact with speakers in the CLEREL hopyards.

To register, or for more information, please visit <http://lergp.cce.cornell.edu/event.php?id=252>.

2016 Growing Degree Days and Rainfall

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
5/4/16	63.5	44.3	0.01	3.9	59.0
5/5/16	57.8	49.5	0.00	3.7	62.7
5/6/16	59.9	45.0	0.03	2.5	65.1
5/7/16	66.9	42.1	0.04	4.5	69.6
5/8/16	56.6	45.3	0.07	1.0	70.6
5/9/16	59.2	40.1	0.01	0.0	70.6
5/10/16	64.3	36.0	0.00	0.1	70.7
Weekly Total			0.15"	15.6	
Season Total			2.37"	70.7	

GDDs as of May 10, 2015: 221.4

Rainfall as of May 10, 2015: 3.34"



Seasonal Comparisons (at Geneva)

Growing Degree Days

	2016 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	36.1	65.2	-9
May	14.3	248.6	-14
June		481.5	
July		640.6	
August		588.6	
September		347.6	
October		105.5	
TOTAL	34.1	2477.6	

1 Accumulated GDD's for the Month

2 The long-term average (1973-2014) GDD accumulation for that 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.

Precipitation

	2016 Rain ⁴	Long-term Avg Rain ⁵	Monthly deviation from avg ⁶
April	1.17"	2.89"	-1.72"
May	0.91"	3.11"	
June		3.68"	
July		3.42"	
August		3.15"	
September		3.64	
October		3.22	
TOTAL	2.08"	23.12"	

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!

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