

Finger Lakes Vineyard Update

Pre-Registration for Spring IPM Meeting Ends Thursday, May 10

This year's Spring Grape IPM meeting will be on Tuesday, May 15 beginning at 4:30 PM at Wagner Vineyards. We have received approval for 1.5 recertification credits from DEC for this year's meeting. Speakers this year include Greg Loeb (Dept. of Entomology, Cornell Agritech), Tim Weigle (Grape IPM Specialist, LERGP), Chris Wainwright (NYS Dept. of Environmental Conservation), Dan Olmstead (NEWA network coordinator) and John Wallace, new weed scientist at Cornell Agritech in Geneva.

There is no cost for those enrolled in the FLGP for 2018, and a \$15 cost for those not enrolled. *Cost on the day of the meeting will be \$25/person, regardless of enrollment status, and will be limited based on the availability of food.* Because of some technical issues, there are two different registration links:

For those enrolled in the FLGP: https://reg.cce.cornell.edu/springipm_257

For those not enrolled in the FLGP: https://flgp.cce.cornell.edu/event_preregistration.php?event=361 (choose the non-enrollee option on the form)

You can also register by calling our office at 315-536-5134.

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In the Vineyard

Hans Walter-Peterson



In the immortal words spoken at the beginning of the Kentucky Derby race this past weekend, "And they're off!" Budbreak arrived for a lot of varieties in the Finger Lakes this past weekend and early this week. The list of varieties at the Teaching Vineyard that haven't hit budbreak yet is fairly small, including Riesling, Cabernet Franc (which might make it there today), and Vidal. Concord along Keuka Lake (photo) hit budbreak in the last day or two, which is about 2 weeks later than last year. The average date of Concord budbreak at Fredonia from 1979-2006 was May 4, so even if we're normally a couple of days earlier here (which has been my experience), we might be only 4 or 5 days later than normal.

After an unusually cold April (9 GDDs all month), the warm temperatures in early May have caught us up with average heat accumulation by this point in the year. The amount of heat that we get between budbreak and bloom doesn't seem to have much to do with how many days we'll have between the two stages based on data collected out in the Lake Erie region, so at this point there's no way to know if bloom will also be a bit late or not.

IPM

Powdery mildew overwinters on the bark of permanent structures of the vine (e.g., canes, cordons, trunk) in the form of black fruiting bodies called *chasmothecia*. The ascospores inside these bodies are released beginning around budbreak when there is 0.1" or more of rain and temperatures are above 50°F. Those ascospores land on new tissue and begin the cycle of secondary infections that we are oh so familiar with. What this means is that blocks that had high levels of PM infections late in the season last year will have a higher population of the overwintering chasmothecia, which means the potential for higher disease pressure early in the season. Growers with these kinds of blocks, especially with varieties that are highly susceptible to PM like V. vinifera cultivars, should be thinking about a first application for PM control at about 1-2" of shoot growth in order to reduce the number of reproducing infections early in the season. At this point, most growers will be using sulfur, one of the salt-based materials (e.g., Nutrol, Armicarb, etc.) or Stylet Oil to control early infections. This very early spray is most likely unnecessary in hybrids and native varieties.



Chasmothecia of powdery mildew.

Source: www.apsnet.org

eNEWA for Grapes – a Daily Reminder of Pest Potential in Your Vineyard Operation

With the cost of inputs continuing to rise, wouldn't it be nice if you could get a daily reminder of the current weather and grape disease and insect model information found on NEWA (Network for Environment and Weather Applications) <http://newa.cornell.edu>? If so, then eNEWA is for you. eNEWA is a daily email that contains current weather and grape pest model information from a station, or stations, near you. The email will contain:

1. high, low and average temperature, rainfall, wind speed and relative humidity,
2. the 5-day forecast for these weather parameters,
3. GDD totals (Base 50F),
4. 5-day GDD (Base 50F) forecast and
5. model results for powdery mildew, black rot, Phomopsis and grape berry moth.

The weather information is provided for not only the current day but for the past two days as well. eNEWA is a great way to get an idea of pest potentials for your vineyard operation without having to click around the NEWA website. eNEWA is not meant to be a replacement for the website, rather it is a quick and easy way to determine if a visit to the website is warranted to provide information specific to your site to increase the accuracy of the output of the disease and grape berry moth models.

When you sign up for eNEWA, you can choose from any number of stations located near you for delivery of this information via email each day at a time specified by you. Please keep in mind that you will receive a separate email (approximately 3 pages in length) for each station you choose. Once during the growing season and again after harvest, you will be asked to complete a short survey to assist us in improving the eNEWA for grapes email system. If you would like to be a part of this project just fill out the form found in this newsletter and return to: thw4@cornell.edu or send to Tim Weigle, CLEREL, 6592 West Main Road Portland, NY 14769.

2018 eNEWA Grape Subscription Testing Sign-Up

Subscriber information

Name _____

Email address _____

City _____

Select Location(s) (circle as many as you like, or write in below)

<u>Finger Lakes</u>	<u>Finger Lakes</u>
Aurora	Romulus (Buttonwood Grove)
Branchport	Romulus (Thirsty Owl)
Dresden (FLX TDV)	South Bristol
Dundee (Wiemer)	Varick (Swedish Hill)
Geneva	Watkins Glen
Geneva (Bejo)	Watkins Glen (Lakewood)
Hammondsport (Doyle Vineyard)	
Hector	Other: Please fill in
Interlaken (Airy Acres)	
Lakemont	
Lansing	
Lodi (Lamoreaux)	
Lodi (Standing Stone)	
Ovid (Hosmer)	
Penn Yan	

Select eNEWA Delivery Times (write in times below) Delivery requests should be on the hour.

Under-Vine Cover Cropping

Interested in trialing under-vine cover crops in your vineyard?

Under-vine cover crops help reduce soil erosion and nutrient leaching while providing an opportunity to reduce excessive grapevine vigor. Northeast SARE (Sustainable Agriculture Research and Extension) has funded a project to help grape growers trial under-vine cover crops. If you are located in the Finger Lakes region we can provide the seed, help you seed the covers and evaluate their impacts. Please contact Justine Vanden Heuvel (justine@cornell.edu) or Steve Lerch (sdl5@cornell.edu) if you'd like to participate in the project.

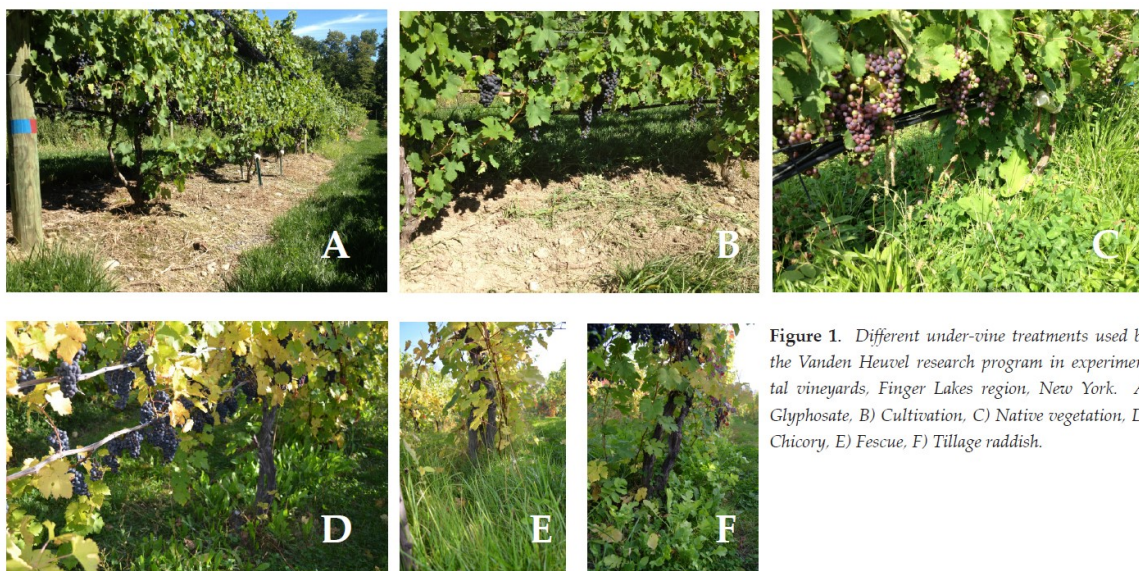


Figure 1. Different under-vine treatments used by the Vanden Heuvel research program in experimental vineyards, Finger Lakes region, New York. A) Glyphosate, B) Cultivation, C) Native vegetation, D) Chicory, E) Fescue, F) Tillage raddish.

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.

Spring Grape IPM Meeting

Tuesday, May 15 4:30 – 6:00 PM
Wagner Vineyards
9322 State Route 414, Lodi NY 14860

See registration information on the first page of this week's Vineyard Update.

Respirator Fit Testing and WPS Training

May 15-17, 2018
Cornell Cooperative Extension of Ontario County
480 North Main Street
Canandaigua NY 14424

Details are available on our website at <https://flgp.cce.cornell.edu/event.php?id=374>. Appointments can be made between April 16 and May 11 by calling NYCAMH at 607-547-6023 or 800-343-7527.

Tailgate Meeting

Tuesday, May 29, 2018 4:30 – 6:00 PM
Randall Standish Vineyard
5501 Route 21, Naples, NY 14512

Our second Tailgate Meeting of the season will be held at Randall Standish Vineyard in Naples. 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.



Finger Lakes Vineyard Update

Finger Lakes Grape Program

May 9, 2018

2018 Growing Degree Days and Rainfall

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
5/2/2018	85.0	58.1	0.00	21.6	47.0
5/3/2018	79.6	60.4	0.07	20.0	67.0
5/4/2018	82.1	53.7	0.25	17.9	84.9
5/5/2018	74.5	46.4	0.05	10.5	95.3
5/6/2018	69.7	54.0	0.02	11.9	107.2
5/7/2018	61.7	39.0	0.01	0.4	107.5
5/8/2018	75.0	40.0	0.00	7.5	115.0
Weekly Total			0.40"	89.6	
Season Total			2.32"	115.0	

GDDs as of May 8, 2017: 180.9

Rainfall as of May 8, 2017: 6.45"

Seasonal Comparisons (Geneva, NY)

Growing Degree Days

	2018 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	8.2	65.4	-22
May	97.0	251.9	+1
June		481.1	
July		640.7	
August		590.7	
September		355.2	
October		109.5	
TOTAL	105.2	2494.6	

¹ Accumulated GDDs for each month.

² The long-term average (1973-2017) 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.



2018 Growing Degree Days and Rainfall

Seasonal Comparisons (Geneva, NY)

Precipitation

	2018 Rain ⁴	Long-term Avg Rain ⁵	Monthly deviation from avg ⁶
April	1.92"	2.87	-0.93"
May	1.06"	3.13	
June		3.62	
July		3.45	
August		3.14	
September		3.57	
October		3.37	
TOTAL	2.98"	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

John Santos- Hazlitt 1852 Vineyards

Dave Smith- Smith Brothers Farms

Justine Vanden Heuvel- Cornell University

Derek Wilber- Swedish Hill Winery

Herm Young- Young Sommer Winery

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Cornell Cooperative Extension Finger Lakes Grape Program

Hans Walter-Peterson—Team Leader
Donald Caldwell—Viticulture Technician

flgp.cce.cornell.edu

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



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