

Finger Lakes Vineyard Update

Bud Hardiness Ahead of Winter Storm 'Harper'

Hans Walter-Peterson

It looks like the Finger Lakes is going to get a "real" taste of winter this weekend. Things are still a bit up in the air as far as how much snow we'll get out of this storm, but it's pretty certain that we will be having some of the coldest temperatures of the winter so far. Right now, the National Weather Service is predicting low temperatures on Sunday and Monday to reach 0°F in Geneva and Penn Yan, which means some locations will likely get even a little colder.

Which leads to the question about bud hardiness to this point in the season. We collected our first bud samples from Finger Lakes vineyards last Monday, January 7, but we've had some technical issues in getting the data put together for them so far, which is why no results from this collection have been posted yet. However, the results from this week's sampling in Geneva are available, and they look to be in line with past years at this point in the winter (this data can be found at our Bud Hardiness project website, <https://grapesandwine.cals.cornell.edu/extension/bud-hardiness-data/2018-2019-data/>).

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		LT ₁₀	LT ₅₀	LT ₉₀
1/14/2018	Cabernet Franc	-5.5	-10.7	-17.2
	Noiret	-9.0	-11.5	-15.8
	Concord	-15.2	-20.2	-23.8
	Riesling	-6.6	-12.6	-16.8

We are also grateful to Jason Londo, who has provided some bud hardiness data for a lot of other varieties in the Finger Lakes. This data is part of a massive sampling project that he is running this year to better understand the genetic components that influence cold hardiness. Please keep in mind that these results are site-dependent, which means that if your vineyard is closer to the lakes, and therefore a bit warmer of a site, that your hardiness level may be a little lower than what these numbers indicate (the LT₅₀ value would be a little bit higher).

Bud Hardiness Ahead of Winter Storm 'Harper' (continued from page 1)

Hans Walter-Peterson

	LT ₅₀ (°F)		
Variety	1/4/2019	1/11/2019	1/16/2019
Concord	-13.7	-10.0	-18.1
St_Croix	-11.5	-11.8	-18.0
Marechal_Foch	-13.5	-14.5	-17.1
Marquette	-10.9	-12.3	-16.8
Aromella	-13.1	-11.5	-16.1
Niagara	-7.8	-10.6	-16.0
Chancellor	-12.3	-7.4	-15.2
Corot_Noir	-9.0	-9.4	-15.0
La_Crescent	-14.3	-7.4	-14.8
Traminette	-10.0	-0.4	-14.2
Noiret	-8.5	-5.8	-14.2
Vidal	-11.8	-9.7	-13.1
Valvin_Muscat	-11.6	-9.7	-12.4
Vignoles	-8.6	-9.7	-11.7
Cayuga_White	-8.4	-6.6	-10.5
Saperavi	-5.6	-3.3	-10.1
Riesling	-9.1	-10.4	-10.0
Gruener_Veltliner	-7.3	-6.3	-10.0
Pinot_noir	-7.3	-6.9	-9.8
Chambourcin	-9.9	-7.3	-9.2
Chardonnay	-4.6	-8.6	-8.6
Lemberger	-7.8	-6.7	-8.5
Gewurztraminer	-5.8	-1.5	-8.3
Cabernet_Sauvignon	-2.4	-1.2	-7.7
Tocai_Fruliano	-2.1	-4.9	-7.4
Cabernet_Franc	-5.0	-6.1	-7.3
Chenin_blanc	-6.0	-3.0	-7.3
Sauvignon_blanc	-5.7	-6.8	-5.5
Sangiovese	-1.4	1.0	-4.1
Pinot_gris	-7.1	-3.5	-2.8
Merlot	-5.4	4.6	-2.2
Syrah	2.7	4.7	-2.0

So overall, most of our varieties appear to have adequate hardiness to avoid any major damage from the cold temperatures this weekend, assuming things don't get any colder than what is being predicted now. Growers with more tender varieties (near the bottom of this list), however, could very well see some damage to buds this weekend based on these readings and how cold it actually gets in their vineyards. In these situations, I would suggest doing some bud cutting in these varieties before pruning begins, in order to determine if any adjustments need to be made.

If you want a quick refresher on how to assess bud injury, [take a look at our YouTube video](#) on the subject (both Parts 1 and 2).

Registration for B.E.V. NY is Now Open!



Check out www.bevny.org for details about this year's program

Registration is now open for our annual winter conference, B.E.V. NY, which will be held at the RIT Inn & Conference Center on Wednesday, February 27 – Friday, March 1. B.E.V. NY is developed and hosted by the Finger Lakes Grape Program and Cornell's Enology Extension Program for the benefit of the New York grape and wine industry. This is the sixth iteration of this joint venture between our two programs, and we are pleased to also share the event with the New York Wine & Grape Foundation, who will be hosting their annual Unity Luncheon at the conference during the Business Day program on Wednesday.

As always, we have tried to develop a program that meets the needs of the industry in the realms of business and marketing, winemaking, and grape growing. Wednesday's business-focused program includes talks on topics like label design, tax policy for wineries, consumer reaction to canned wines, and much more. On Thursday, the focus turns to current issues in winemaking, including a couple of sessions looking at the winemaking implications of the new trend of packaging wines in cans, and a training session that covers the annual FSMA training requirements for wineries led by Randy Worobo and Chris Gerling. Friday's program is all about the grapes. We are happy that Ben-Min Chang, a scientist from Washington State, will be here to talk about recent research on how berries manage water moving in and out of them, and what conditions can lead to berry splitting (a very timely topic given conditions this past season). We will also hear about how climate change may be affecting farming in New York, including vineyards, how vineyard practices influence fruit and wine quality, and an update on several IPM topics including the status of the newest invasive species for us to be aware of, the spotted lanternfly. We have applied for 2.0 pesticide recertification credits for the conference, so there's that as well.

More details about the program can be found at the conference website, www.bevny.org. To register, go to www.bevny.org/register and click on the 'click here to register' link. Hotel information will be posted there very soon as well. When it is, we will let you know.

We look forward to seeing you at B.E.V. NY 2019!

B.E.V. NY Trade Show Booths and Sponsorship Opportunities Still Available!



In addition to the program at B.E.V. NY each year, the conference also hosts a trade show where businesses and organizations can promote their products and services to the industry. This is a great opportunity for those companies to gain exposure to a significant portion of the Finger Lakes and New York grape and wine industry, and to show their support for it.

If you work for an organization or business that works with the grape and wine industry (or would like to), or if you do business with any companies like this, please urge them to consider signing up to be an exhibitor at B.E.V. NY or to be a conference sponsor. The deadline for 'early bird' pricing for exhibitor booths is February 1, after which the price will increase. Exhibitors can choose how many days they would like to be present at the trade show, so they can choose which audiences they want to target. There is a discount for exhibitors who register for all three days of the conference.

More information on the trade show, booth pricing and registration can be found at <https://flgp.cce.cornell.edu/submission.php?id=110&crumb=b.e.v.%20ny|b.e.v. ny>.

There are also several levels of sponsorship available for organizations who want to stand out from the crowd at B.E.V. NY. Each sponsorship comes with various levels of benefits, such as special advertising space in the conference program, the opportunity to briefly address attendees at the conference, complimentary trade booth space, and more. Further details about B.E.V. NY sponsorships can be found at <https://flgp.cce.cornell.edu/submission.php?id=111&crumb=b.e.v.%20ny|b.e.v. ny>.

If you have any questions about the trade show or sponsorships, please contact our office at (315) 536-5134 or email Brittany Griffin at bg393@cornell.edu.

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.



2019 Pesticide Training and Recertification Series

Classes: Wednesdays, February 6, 13, 20, 27, 2019 7:00 pm – 9:30 pm.

Exam: Wednesday, March 6, 2019 6:30 – 11:00 pm

Cornell Cooperative Extension-Ontario County, 480 North Main Street, Canandaigua, NY 14424

Cornell Cooperative Extension of Ontario County will be presenting their annual pesticide training and recertification course in 2019. Anyone interested in obtaining a pesticide certification and meets the DEC (Department of Environmental Conservation) experience / education requirements **OR** current applicators seeking pesticide recertification credits should attend. There will be 2.5 recertification core credits available for each class. The program series includes the following topics:

- Class 1: Pesticide Laws and Regulations
- Class 2: Pesticides and the Environment
- Class 3: Pesticide Safety
- Class 4: Pesticide Mixing and Equipment Calibrations

Registration cost for all 4 classes is \$175, which includes training manuals. The exam fee is an additional \$100, which is due the day of the exam. Registration for individual classes is \$25 per class. Contact Cornell Cooperative Extension of Ontario County at 585-394-3977 x 427 or x 436 or email nea8@cornell.edu or rw43@cornell.edu for registration and course information. The registration form is available on the CCE-Ontario County website, www.cceontario.org.

'Spotted Lanternfly Basics' Webinars

February 26 and March 4, 2019

In conjunction with the New York State IPM Program and the Department of Agriculture and Markets, the Northeastern IPM Center will host a collection of webinars, titled "Spotted Lanternfly Basics." Each webinar will focus on, and be tailored to, a specific commodity group:

- Spotted Lanternfly Basics for Hops, Berry, and Vegetable Growers (Feb. 26, 2019, 10:00 a.m.)
- Spotted Lanternfly Basics for Grape and Apple Industries (Feb. 26, 2019, 1:00 p.m.)
- Spotted Lanternfly Basics for Christmas Tree Growers (Mar. 4, 2019, 10:00 a.m.)
- Spotted Lanternfly Basics for Nursery, Greenhouse, and Landscape Industries (Mar. 4, 2019, 1:00 p.m.)

All webinars will follow a similar format that covers spotted lanternfly biology, identification, and hosts, monitoring and management strategies, and a regulatory update. While the content may be relevant to audiences throughout the Northeast, management practices covered will be specific to New York. Participants will be encouraged to ask questions.

For more information and registration links, go to <http://neipmc.org/go/mYey>.

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.



Pesticide Training and Certified Applicator Exam

March 12 & 14, 2019 12:00 – 4:30 PM

Exam Date: March 15, 2019 12:00 – 4:30 PM

CCE-Wayne County Office

1581 Route 88 North, Newark NY

Cornell Cooperative Extension Wayne County and DEC are offering pre-exam training and certification test to become a certified pesticide applicator. Agriculture specialists Mike Stanyard and Tess Grasswitz will review core concepts and commodity specific items in preparation for the exam.

The fee for the training classes is \$55, and includes lunch (additional costs for training manuals – see registration form). This training does not qualify as 30 hour pre-test training. Pre-registration is required by contacting Judy Glann at 315-331-8415 or jmg358@cornell.edu.

An additional \$100 fee is required to take the exam, payable on the date of the exam. You must register for the exam ahead of time by contacting Chris Wainwright with the DEC at 607-622-8264.

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
Cornell Cooperative Extensions Associations:
Ontario, Seneca, Schuyler, Steuben, Wayne and Yates.

flgp.cce.cornell.edu



*"Cornell Cooperative Extension is an equal opportunity, affirmative action
educator and employer"*

PROGRAM SERIES

Class 1 - Pesticide Laws & Regulations

Highlights:

- Certification Regulations
- Pesticide registration
- FIFRA, OSHA
- Hazard Communications Standard
- Safety Transportation Act
- Sara Title III
- Endangered Species Act
- Worker Protection Standards
- NYS Reporting Law
- Pesticide Record Keeping

Class 2 - Pesticides & the Environment

Highlights:

- Toxicity of pesticides, pesticide residue & tolerance
- Environmental considerations
- Pesticides and ground water
- Pesticides and wildlife
- Types & formulations of pesticides

Class 3 - Pesticide Safety

Highlights:

- Personal & environmental safety
- Selection & use of personal protective equipment
- Symptoms of pesticide poisoning
- Pesticide storage & disposal.
- Understanding the pesticide label

Class 4 - Pesticide Mixing & Equipment Calibrations

Highlights:

- Procedure for mixing and filling
- Calculations for mixing pesticides
- Equipment calibration
- Types of pumps, nozzles, sprayers

Pesticide Certification Exam Date:

March 6, 2019

AUDIENCE/REGISTRATION

Cost \$175.00: includes training manuals and attendance at all four classes. Check made payable to CCE Ontario. No confirmation will be sent. Sign up on registration form | Pesticide Certification Training.

\$100.00 DEC exam fee, due the evening of the exam. Check for the exam, made payable to NYSDEC.

Certified applicators, private or commercial, seeking recertification credits will receive 2.5 core credits per class. Sign up on registration form | Recertification Credits.

Cost: \$25.00/person/class

This is NOT a 30 hour credit course that is required for those who do not meet DEC eligibility requirements for commercial certification.

Cornell Cooperative Extension
Ontario County

Private Certification: This is for the person who will be applying restricted pesticides to their own or employer's property or rented property.

Commercial Certification: This is for the person who will be applying pesticides for hire..

Fill in the tear-off form (on the reverse side), mail registration form and check to:

Cornell Cooperative Extension
Pesticides
480 North Main Street
Canandaigua, NY 14424



Russell Welser
Senior Resource Educator
Pesticides
Phone: 585-394-3977 x 436
Email: rw43@cornell.edu

If you have any questions contact:

Cornell Cooperative Extension
(585) 394-3977 x 427 or 436
Email: ontario@cornell.edu
Website: www.cceontario.org

Building Strong and Vibrant New York Communities

Cornell Cooperative Extension is an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities and provides equal program and employment opportunities.

REGISTRATION FORM (No confirmation will be sent)

Pesticide Certification Training: (for people getting a license) _____ person(s) @ \$175.00/person. \$ _____

Check (✓) certification desired:

Private : _____ Field and Forage (21) _____ Fruit (22) _____ Vegetable (23)
_____ Greenhouse & Florist (24) _____ Nursery, Ornamental & Turf (25)

OR

Commercial: _____ Agriculture-Plant (1a) _____ Ornamental and Turf (3)

Pesticide Recertification Credits: (for people with a license).

Attendance at selected classes. Check (✓) appropriate box below @ \$25.00/person/class.
_____ Class 1 _____ Class 2 _____ Class 3 _____ Class 4 \$ _____

Total enclosed \$ _____

Name(s) _____

Address: _____

Phone: _____

Please make check payable to: CCE Ontario

Return to: Cornell Cooperative Extension, Pesticides, 480 N. Main Street, Canandaigua, NY 14424.

Cornell Cooperative Extension
of Ontario County
480 North Main Street
Canandaigua, NY 14424-1099



Cornell Cooperative Extension

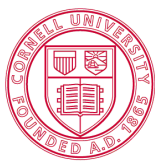
2019 Pesticide Training and Recertification Series

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February 6, 13, 20, 27, 2019
7:00 pm - 9:30 pm

Exam
Monday, March 6, 2019
6:30 pm - 11:00 pm

Cooperative Extension Center
480 North Main Street
Canandaigua, NY

Cornell Cooperative Extension
Ontario County



Cornell Cooperative Extension Wayne County and DEC Is proud to offer a

Pre-Exam Training and Test to Become A Certified Pesticide Applicator

Agriculture Specialists Mike Stanyard and Tess Grasswitz will review core concepts and commodity specific items in preparation for the exam.

PRE-REGISTRATION is REQUIRED by March 4, 2019

Contact: Judy Glann at 315-331-8415 ext.117

or email at: jmg358@cornell.edu

Training Classes are:

Tues. March 12 & Thurs. March 14, 2019

12:00pm—4:30pm

Workshop cost is: \$55.00

Lunch will be provided

(Additional costs for manuals and exam)

Cornell Cooperative Extension Wayne Co.

1581 Rt. 88 North, Newark, NY

THE CERTIFICATION EXAM

Will be administered on Friday March 15, 2019

from 12:00pm—4:30pm by DEC

to Qualified Applicants.

Fee for the exam is \$100

payable in cash or check to NYSDEC
the day of the exam.

You MUST register for the exam

or for exam related questions,

please contact Chris Wainwright

at the Bath DEC office (607) 622-8264

All participants must have experience working on their own farm, or through employment on another farm. Participants must register directly with DEC to take the Exam and have any questions on exam eligibility answered by DEC representatives.

This training is only for those with experience and does not qualify for the 30 hour pre-test training.

TO INSURE YOU GET YOUR MANUALS IN TIME ALL ORDERS MUST BE IN BY FEBRUARY 11, 2019

You will be notified when manuals come in. Manuals must be picked up at the Wayne County office

Name: _____ Farm Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Registering # of people _____ @ \$55 ea. = _____

of Core Manuals (2012) _____ @ \$41 ea.= _____

of Category 21 manuals (2003-Field & Forage) _____ @ \$36 ea.= _____

of Category 22 manuals (2003-Fruit) _____ @ \$36 ea.= _____

of Category 23 manuals (2004-Vegetable) _____ @ \$36 ea.= _____

All participants will need to have the most recent Core Manual and Category Manuals, dates are listed

(If you have any special needs please contact us 2 weeks in advance at 315-331-8415)

Please make checks payable to "CCE" and send to: Judy Glann, CCE Wayne County, 1581 Route 88 North, Newark NY 14513

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