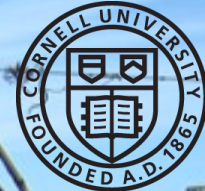


Cornell Cooperative Extension

Finger Lakes Grape Program



May 13th, 2020

Finger Lakes Vineyard Update

In the Vineyard

While I haven't seen anything mentioned about a plague of locusts descending on the Finger Lakes (yet), it kind of feels like we've had just about everything else thrown at us so far this year. By my count, there were at least four nights with freeze warnings posted for the region this past week, along with, oh yeah, thunderstorms and hail!

The coldest temperatures over the last week were on early Saturday morning, May 9, and this morning, Wednesday, May 13, but we've been flirting with freezing temperatures a few other days as well.

NEWA Location	May 9 Low Temp (°F)	May 13 Low Temp (°F)
Branchport	26.3	27.9
Dresden	28.1	30.0
Dundee	27.7	26.5
Geneva	28.3	32.0
Hammondsport	26.0	27.3
Interlaken	27.1	28.7
Lakemont	27.8	30.4
Lodi	26.3	27.6
Romulus	29.3	29.0
South Bristol	26.2	30.0
Varick	27.8	29.9
Watkins Glen	27.4	26.5
Williamson	30.2	28.1

The silver lining in all of this news is that it's been so cool for most of the past 6 weeks that most vineyards are still somewhere between dormant buds and budswell, which means that the potential for injury to those buds is less than it would be if things were further along. It also meant that they were smaller targets for the hail that fell on Monday. Don's initial assessment of damage at the Teaching Vineyard in Dresden was relatively good, saying that our earliest varieties like Marquette, Jupiter and Chardonnay looked like they had less than 10% damage on retained buds. Buds closer to the ground on renewals took a bit more of a beating, which is to be expected.

We'll start to know more about the extent of damage as shoots begin to emerge more later this week, thanks to some warmer weather that's finally heading our way. Just keep an eye out for those locusts...

Grape IPM Guidelines

The mailing of the Grape IPM Guidelines was delayed to some extent due to COVID-19 restrictions and office closures. Hopefully by now, though, everyone who had ordered a hard copy of the 2020 Grape IPM Guidelines should have received it. If you ordered a copy and it has not arrived yet, please get in touch with your county Extension office to be sure one was ordered for you and mailed. We apologize if anybody slipped through the cracks and has not received it yet.

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Survey: Outlook for the NY grape and wine markets in light of COVID-19

We understand that NY vineyards and wineries are facing profound economic uncertainty for the foreseeable future. In order to jump start our collective effort to provide assistance, we ask that you consider participating in a business survey. This will allow us to focus and fine tune our initial webinar later this month (more information to come) as well as our future educational programming for the upcoming season.

We know that there are far more questions than answers about how things will play out this season, and it is hard to give solid answers to these questions even in a "normal" year. We would still appreciate your best guess at them based on current conditions and what you are currently planning for your business, knowing full well that the picture is still cloudy.

There are two sections in the survey. **Section A** is focused on vineyard operations and the grape market in New York, and should be answered by independent growers and wineries with vineyard operations who sell a significant portion of their fruit to other buyers. **Section B** is focused on wine production and markets, and therefore should be filled out by wineries who primarily buy fruit from other growers for their production needs.

All information for this survey is anonymous, and no identifying information is being collected or will be reported. Please feel free to contact any one of us to comment privately or let us know if we have missed any points. We need your input and experience. Thank you for your time, and we look forward to working with you to help the NY grape and wine industries move forward through these uncertain times.

Survey Link: https://cornell.qualtrics.com/jfe/form/SV_87VWdWsDn9sANXn

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NY State Providing Farms with Hand Sanitizer, Masks

New York State recently announced that it would be providing hand sanitizer and masks to farms and farm workers to protect them from COVID-19 infections while they work as essential employees. The distribution is being coordinated primarily through each county's Cornell Cooperative Extension association office. Hand sanitizer is available in 1 gallon bottles or 2 ounce personal spray bottles. The masks are available in packs of 5, made of cotton, and can be reused after washing them.

We believe there will be more hand sanitizer available after this first round of distribution, so if supplies run out before you can get some, there will very likely be more available in the near future. Please request only enough of these supplies to care for your employees who are currently working at your facilities right now. We will let everyone know about future supplies as soon as we know about them. Thanks for your cooperation with this.



My understanding is that each county association in the Finger Lakes region has been reaching out to farmers in their counties already, so many of you have probably already taken advantage of this opportunity. If not, and you would like to request sanitizer and/or masks, be sure to contact your local county CCE office.

New training requirements for mixing, loading and applying paraquat.

Lynn Sosnoskie, Cornell AgriTech

According to the EPA's website, there have been 17 deaths (three involving children) and multiple injuries caused by the ingestion of or contact (skin, eyes) with paraquat dichloride (a.k.a. paraquat). In order to reduce the potential for harm and/or fatalities, the use of paraquat (mixing, loading, applying or otherwise handling) will be restricted to certified applicators who successfully complete an additional EPA approved training program every three years. This is required according to the EPA's 'Paraquat Dichloride Human Health Mitigation Decision' (<https://www.regulations.gov/document?D=EPA-HQ-OPP-2011-0855-0115>) and amended product labels.

The training can be accessed at the eXtension.org website (<https://campus.extension.org/enrol/index.php?id=1660>) and is available in both English and Spanish.

Some notes:

Because paraquat is a restricted use pesticide, this training is restricted to certified pesticide applicators only; noncertified persons working under the supervision of a certified applicator are prohibited from using paraquat. This includes mixing, loading, applying the pesticide, and any other pesticide-related activities.

As a first-time eXtension user, you will need to set up an eXtension account before you can complete the training. Follow directions at the site; *i.e.* "Is this your first time...", "Create new account..."). A confirmation email will be sent to you after which you can access the module. You cannot take the training as a "guest".

You should expect to spend about 60 minutes on the course plus the test at the end. You must score 100% on the test. You can take the test as many times as needed to achieve the required score.

Your account can be accessed at any time to print the certificate following successful completion of the training module; print the certificate and keep it on file.

According to a Rutgers website, some users have reported difficulty accessing the training program in Spanish when using Google Chrome; consider using a different browser if you encounter similar problems.

These training requirements only apply to newly labeled (2019 and beyond) products. They do not apply to paraquat products with labels prior to 2019.

For more details see, EPA's list of Frequently Asked Questions about the paraquat dichloride training. <https://www.epa.gov/pesticide-worker-safety/paraquat-dichloride-training-certified-applicators>

Brief Survey on Use of Sheep for Vineyards

The Vanden Heuvel viticulture research program at Cornell University is conducting a survey to determine grower perceptions of using sheep to mow/sucker in vineyards. The goal of the survey is to guide future research and extension efforts in this area. The survey is completely anonymous. You can complete the survey by clicking on this link:

https://cornell.qualtrics.com/jfe/form/SV_80QJfMVgdqIqOOH

Please only complete the survey once for each vineyard operation. If you have any questions, please get in touch with Prof. Justine Vanden Heuvel directly (Justine@Cornell.edu).



Common WPS violations found in agricultural businesses

Alice Wise & Sandra Menasha, Long Island Horticulture Research & Extension Center

This article is based on information presented by Justin Schoff (DEC – Region 8) during the Spring Grape IPM webinar held last week. Thanks to Alice and Sandra for putting together this summary for those who could not attend.

Keeping up with regulations is a challenge. It is therefore helpful to know the most common problems that the DEC inspectors find on farms. These include:

1. Use of an old WPS training video – see <http://www.pesticideresources.org/wps/training/percvids/index.html> for the most current versions. Annual training is required for pesticide handlers and agricultural workers. Be sure to record the EPA approval # of the video in your training records. Keep these records for 2 years.
2. Old WPS safety poster or no safety poster – see <http://www.pesticideresources.org/wps/cp.html> for updated poster. They can also be purchased from Ag Suppliers such as Gemplers.
3. No SDS – safety data sheets – at the central posting location. You must have an SDS for every pesticide product you have on the farm. Note that pesticide labels are not required at the central posting location. Obtain SDS from your pesticide dealer or check this website: <http://pesticideresources.org/wps/definitions/sds.html>
4. Records are incomplete regarding pesticide applications. The DEC record keeping form for WPS and private applicators: https://www.dec.ny.gov/docs/materials_minerals_pdf/privatercdfm.pdf
5. Records are absent or incomplete for respirator training. Respirator requirements include annual respirator training, annual fit-testing and you must be medically approved to wear a respirator. Currently if an individual was fit tested in 2019 and met all the above requirements, they are good for the 2020 season. The exceptions are as follows:
 - If the individual has gained or lost more than 20 lbs.
 - Has had dental or facial surgery since the last fit test.
 - If the individual was not fit tested, trained & medically approved in 2019.

See this site for more information:

<https://www.nycamh.org/programs-and-services/respirator-fit-test-clinics.php>

6. Additional pesticide label directives are not followed. Example: captan labels state that it can be harmful to eyes – workers should be informed of this.

(With thanks to Region 8 DEC Pest Control Specialist Justin Schoff and Region 1 Specialist Joe Cuttrone for input.)

Pesticide Use Guidance During COVID-19

From Cornell's Pesticide Management Education Program

Along with the increased use of disinfectants and sanitizers during the COVID-19 pandemic, there has been an increase in adverse health effects from the misuse of these products. There have also been several fraudulent products produced during this time that potential applicators should be made aware of. Please read and share the following statements from Cornell's Pesticide Management Education Program (psep.cce.cornell.edu).

Beware of fraudulent pesticide claims related to SARS-CoV-2 (the COVID-19 coronavirus):

It has come to our attention that unregistered disinfectants claiming to protect against the virus are being marketed in the US. The efficacy and safety of these products is unsubstantiated and their use is illegal.

Regulators are taking steps to prevent such products from reaching the market, but it is your responsibility to use only those products designated by the New York State Department of Environmental Conservation for use against SARS-CoV-2, listed at https://www.dec.ny.gov/docs/materials_minerals_pdf/covid19.pdf. Please check this list frequently, as content is subject to change.

Be safe disinfecting your home:

Disinfectants are pesticides and you can only use them as directed by the label. Therefore:

- **Never** mix different disinfectant products together because doing so is dangerous. For example, mixing bleach with acids (such as vinegar) or ammonia releases life-threatening toxic fumes.
- **Never** use disinfectants or disinfectant wipes on your skin. Instead, wash with soap and water; you can also use hand sanitizer on your hands.
- **Never** wash fruits and vegetables with soap, sanitizers, or disinfectants as this could also result in poisoning. Wash produce only in clean water.

For more information on disinfecting your home and how to handle food during this crisis, visit <https://www.cdc.gov/coronavirus/2019-ncov/downloads/disinfecting-your-home.pdf> and <https://instituteforfoodsafety.cornell.edu/coronavirus-covid-19/food-safety-recommendation-consumer/>.

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.



Re'wine'ing the Clock in a Post-COVID World: Ensuring personal safety and production efficiency as winery operations resume

Monday, May 18 12:00 – 1:30 PM

Presenters:

Dr. Abby Snyder, Assistant Professor, Cornell University

Dr. Beth Chang, Enology Extension Specialist, Virginia Tech

Dr. Anna Katharine Mansfield, Associate Professor, Cornell University

As the initial phase of the coronavirus pandemic wanes, we look to resume winemaking operations and prepare for harvest in a post-COVID work environment. This hour-long webinar will focus on sanitation, personnel management, and good manufacturing practices that can be developed or enhanced to mitigate risk of disease transmission in the winery. Q&A to follow presentation.

Please register through the following link:

https://cornell.zoom.us/webinar/register/WN_PMP46gZqSXyHUru7gonkBQ

Virtual Viticulture Webinar: Using Arbuscular Mycorrhizae in your vineyard; Under-Trellis Cover Crops

Tuesday, May 19 4:30 – 5:30 PM

Presenters:

Justine Vanden Heuvel, Cornell University

Mariam Berdeha, Cornell University

Scott Osborn, Fox Run Vineyards

Recent research by Justine and Miriam with a number of mycorrhizae products has shown some promising results, both in the laboratory and field applications, including improved uptake of nutrients and measurable effects on root growth and N uptake. Join us for a discussion of research results, 'rates and dates' for application and future research.

Register at: <https://cornell.zoom.us/meeting/register/tJAuf--tpjgiGdQdY3QLFP1g2FHWDfxCbkkp>

This webinar is part of a series that is being organized by Tim Martinson, statewide viticulture extension specialist, along with other members Cornell's grape and wine research and extension programs. The full schedule for these webinars will be posted at the FLGP website shortly. By registering for one of these webinars, you will be able to attend any or all of them in the future. Look for further information about these webinars and other online offerings from us soon.

2020 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
5/6/2020	51.1	32.0	0.00	0.0	38.2
5/7/2020	57.9	36.8	0.00	0.0	38.2
5/8/2020	44.4	32.0	0.07	0.0	38.2
5/9/2020	38.9	28.1	0.04	0.0	38.2
5/10/2020	57.4	33.7	0.00	0.0	38.2
5/11/2020	48.1	38.4	0.21	0.0	38.2
5/12/2020	46.4	32.6	0.00	0.0	38.2
Weekly Total			0.32"	0.0	
Season Total			2.95"	38.2	

GDDs as of May 12, 2019: 103.4

Rainfall as of May 12, 2019: 4.12"



Seasonal Comparisons (at Geneva)

Growing Degree Days

	2020 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	12	63.8	-23
May	20.8	254.4	-22
June		480.2	
July		643.6	
August		592.2	
September		358.3	
October		110.0	
TOTAL	32.8	2502.6	

¹ Accumulated GDDs for each month.

² The long-term average (1973-2019) 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

	2020 Rain ⁴	Long-term Avg Rain ₅	Monthly deviation from avg ⁶
April	2.54"	2.83	-0.29"
May	.24"	3.16	
June		3.60	
July		3.42	
August		3.23	
September		3.53	
October		3.42	
TOTAL	2.78"	23.19	

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)

COVID-19 Resources

Need information? View the following Cornell CALS and CCE Resource Pages Updated Regularly

General Questions & Links:

<https://eden.cce.cornell.edu/>

Food Production, Processing & Safety Questions:

<https://instituteoffoodsafety.cornell.edu/coronavirus-covid-19/>

Employment & Agricultural Workforce Questions:

<http://agworkforce.cals.cornell.edu/>

Cornell Small Farms Resiliency Resources:

<https://smallfarms.cornell.edu/resources/farm-resilience/>

Financial & Mental Health Resources for Farmers:

<https://www.nyfarmnet.org/>

Cornell Farmworker Program

www.farmworkers.cornell.edu

www.trabajadores.cornell.edu (en espanol)

Finger Lakes Vineyard Update

Finger Lakes Grape Program

May 13th, 2020

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

Luke Haggerty- Constellation Brands

Tina Hazlitt- Sawmill Creek Vineyards

Cameron Hosmer- Hosmer Winery

T.J. Brahm – Randall Standish Vineyards

Harry Humphreys- Overlook Farms

Gregg McConnell- Farm Credit East

Herm Young– Young Sommer Winery

John Santos- Hazlitt 1852 Vineyards

Steve Sklenar– Sklenar Vineyards

Justine Vanden Heuvel- Cornell University

Peter Weis – Weis Vineyards

Kim Marconi – Three Brothers Wineries & Estates

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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 a Cornell Cooperative Extension partnership between Cornell University and the Cornell Cooperative Extension Associations in Ontario, Seneca, Schuyler, Steuben, Wayne and Yates Counties.

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