



June 10th, 2020

Finger Lakes Vineyard Update

Important Webinar for Grape Growers on NY Forward Farm Safety Plans

Thursday, June 11

12:00 – 1:00 PM

Registration Link (pre-registration required): <https://cornell.zoom.us/j/68542488888>



New York State requires businesses to have a specific business safety plan in place during the COVID-19 pandemic. This includes all farms, both food and non-food producing. In addition, a well-written and executed business safety plan will help reduce business liability risk during and after the pandemic. A Cornell Task Force recently developed materials to directly support farms in the plan writing process.

Cornell Cooperative Extension and Cornell Agricultural Workforce Development are offering a “NY Forward Business Safety Plan Support” webinar series with specialized webinars for Dairy/Livestock/Crop Farms, Fruit/Vegetable Farms, Retail Farms, Equine Farms and Greenhouse/Landscaping/Ornamental Farms.

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The webinars, led by Extension specialists, will:

- Walk farmers through the need for and process to complete a safety plan as is required by all businesses for compliance with NY Forward
- Demonstrate project tools developed by Extension to write and complete a plan
- Share curated resources for specific industries

The webinar focused on fruit and vegetable operations, which would be applicable for vineyards, will be held Thursday, June 11 from 12:00 – 1:00 PM. The webinar will be recorded for later viewing for those who can't participate during the webinar. Links to those recordings will be posted on the [Cornell Agricultural Workforce Development NY Forward Business Safety Plans](#) page.

This webinar is an excellent opportunity to get in-depth information from experts on completing these plans. These people have put in a great deal of work to develop these resources – I recommend taking advantage of their knowledge if you can.

For those vineyards that are affiliated with wineries or have other retail businesses, there will also be a session for retail ag operations held at 7:00 PM on Thursday, June 11 to provide assistance on developing those safety plans as well (which are also required). The registration link for the retail ag webinar is <https://cornell.zoom.us/j/68542488888>.



Cornell Cooperative Extension

AGRICULTURAL WORKFORCE DEVELOPMENT

Business Safety Plans Required For All Farms

Webinar series on developing safety plans
for compliance and to reduce liability risk

New York State requires businesses to have a specific business safety plan in place during the COVID-19 pandemic. This includes all farms, both food and non-food producing. In addition, a well-written and executed business safety plan will help reduce business liability risk during and after the pandemic. A Cornell Task Force recently developed materials to directly support farms in the plan writing process.

Cornell Cooperative Extension and Cornell Agricultural Workforce Development are offering a "NY Forward Business Safety Plan Support" webinar series with specialized webinars for:

- [Dairy/Livestock/Crop Farms](#)
- [Fruit/Vegetable Farms](#)
- [Retail Farms](#)
- [Greenhouse/Landscaping/Ornamental Farms](#)
- [Equine Farms](#)

The webinars, led by Extension specialists, will walk farmers through the need for and process to complete a safety plan as is required by all businesses for compliance with NY Forward, demonstrate project tools developed by Extension to write and complete a plan, and share curated resources for specific industries.

The webinars are free and pre-registration is required. Recording links will be posted on the Cornell Agricultural Workforce Development NY Forward Business Safety Plans page at agworkforce.cals.cornell.edu/ny-forward-business-safety-plan/.



Cornell CALS
College of Agriculture and Life Sciences

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WEBINAR DATES

**Webinars are FREE
PRE-REGISTRATION
IS REQUIRED**

**NY Forward Business Safety
Plan Support for
(Dairy/Livestock/Crop) Farms**

7:30 - 8:30 PM

WEDNESDAY, JUNE 10

with Richard Stup, Nicole Tommell, and
Dayton Thomas Maxwell Jr.

**NY Forward Business Safety
Plan Support for
(Fruit/Vegetable) Farms**

12:00 - 1:00 PM

THURSDAY, JUNE 11

with Elisabeth Hodgdon, Anu Rangarajan,
and Nathaniel Lartey

**NY Forward Business Safety
Plan Support for
(Retail) Farms**

7:00 - 8:00 PM

THURSDAY, JUNE 11

with Laura Biasillo and Myron Thurston

**NY Forward Business Safety
Plan Support for
(Greenhouse/Landscaping/
Ornamental) Farms**

7:00 - 8:00 PM

MONDAY, JUNE 15

with Steve Hadcock and Betsy Lamb

**NY Forward Business Safety
Plan Support for (Equine)
Farms**

7:00 - 9:00 PM

WEDNESDAY, JUNE 17

with Kelsey O'Shea and Karin Bump

agworkforce.cals.cornell.edu

In the Vineyard

Bloom in our commercial grape cultivars is almost upon us. Marquette vines, our earliest variety at the Teaching Vineyard in Dresden, were at about 20% bloom today. With temperatures in the 90s today I imagine that variety will reach 50% bloom by tomorrow.

As I mentioned last year when we had later bloom dates than normal, the number of days between bloom and veraison does not appear to be strongly linked to growing degree day (GDD) accumulation during that period, which is what we saw last year with a later arrival of veraison. The period from budbreak to bloom, however, might be a different story. Here's the data from the past three years for Marquette at our vineyard.



	Budbreak Date	Bloom Date	# of days	GDDs bt budbreak & bloom
2018	May 5	June 4	30	427
2019	May 5	June 18	44	445
2020	May 8	June 11 (est)	34	444 (estimated)

We would need to see a lot more data to make any kinds of conclusions, but it is interesting to see that during the past three years, the period from budbreak to bloom for Marquette has been right around 440 GDDs (give or take) and not a set number of days, which is a different dynamic from what we tend to see between bloom and veraison.

IPM

Wild Grape Bloom Sets GBM Model Biofix

Wild grapes reached about 50% bloom at the Teaching Vineyard late last week (June 4), which is the date we will be using as the beginning date for the grape berry moth (GBM) model on the NEWA site at <http://newa.cornell.edu/index.php?page=grape-diseases>. The model will try to estimate the correct date for each weather station site, but the model will be at its best for a given site if a more specific date is used based on actual observations.

Downy Mildew

Prior to the pre-bloom period, most growers are using materials like mancozeb, captan or ziram for phomopsis control, but also get some activity against downy mildew (DM) as well. During the early part of the season, when DM pressure is still fairly low, these materials provide adequate control for most growers.

Once we reach the pre-bloom stage, however, the need to incorporate more effective DM materials into the mix becomes more important. Growers have been hearing about, and experiencing, the development of DM resistance to certain materials, especially the strobilurins (FRAC 11) found in Abound, Pristine, and Quadris Top, and the DMIs (demethylation inhibitors, FRAC 3) which are all or a part of many materials including the “Tops” (Quadris, Revus and Aprovia), Luna Experience, Rally, Mettle and several others. As Katie Gold emphasized in her [review on early season disease management](#), **“We no longer recommend DMI or strobilurin fungicides for downy mildew control.”**

So where does that leave growers? The following are materials listed as ‘good’ or ‘excellent’ in the 2020 Grape IPM Guidelines, and do not contain DMIs or strobilurins.

Ranman (cyazofamid) – FRAC 21. Ranman is the only material in FRAC 21 labeled for grapes, and therefore can be useful in rotations. It is primarily a protective material, but could be mixed with something like a phos acid product to add post-infection activity as well.

Revus/Revus Top (mandipropamid) – FRAC 40. Another FRAC 40 material, dimethomorph, is a component of Zampro. This material is a workhorse in many vineyards. Although the DMI portion of Revus Top can’t be relied on for significant control of DM in most cases, it is still effective against black rot and possibly powdery mildew, but PM resistance to DMIs is also building in our region. Primarily a post-infection material, but may also provide protective and anti-sporulant activity as well.

Manzate, Dithane, Penncozeb (mancozeb) – No FRAC. Sometimes lumped together with their chemical family, EB-DCs. Purely a protectant material, but very little concern about resistance development. Often halted at bloom or shortly after due to their long 66-day pre-harvest interval (PHI).

Ridomil (mefenoxam) – FRAC 4. Still probably the most effective DM material available to grape growers, but highly susceptible to resistance development. Only one application per year is recommended. It has protective, post-infection, and anti-sporulant activity. Ridomil is sold in mixes with copper (Ridomil Gold/Copper – 42 day PHI) and mancozeb (Ridomil Gold MZ – 66 day PHI).

Prophyt, Phostrol, Rampart (phosphorous acid) – FRAC 33. Primarily has activity as a post-infection and anti-sporulant material, although there is probably some protective activity as well. These products ARE NOT ERADICANTS, and shouldn’t be used as such. They are prone to resistance development just like most other materials here, and should be used within an overall rotation program. That said, these materials have become important tools for many growers.

Gavel (zoxamide + mancozeb) – FRAC 22 (zoxamide component). The zoxamide portion of Gavel is the only representative of FRAC 22 labeled for grapes. Because of its combination with mancozeb, it also has a 66-day PHI. But it could be an option in the post-bloom period for cultivars that ripen later in the season. Good efficacy, but not outstanding in past trials. Protective and post-infection activity.

IPM

Zampro (ametoctradin + dimethomorph) – FRAC 45, 40. Ametoctradin is unique to FRAC 45 in vineyard use, and therefore makes a good choice for rotation programs. Dimethomorph (FRAC 40) is similar to the active ingredient in Revus. Zampro has both protective and anti-sporulant activity, as well as some post-infection activity as well.

Captan – No FRAC. Good activity against DM, and can be especially useful near the end of the season as it has a 0 day PHI (but re-entry intervals can be 48-72 hours, depending on formulation). Captan residues have been shown to impact fermentation in some studies, but we found no impacts in a study done in Geneva several years ago. Purely a protectant material, with low risk of resistance development. Not compatible with horticultural oils such as JMS Stylet Oil or some adjuvants.

Copper – No FRAC. Good control of downy mildew, but can wash off easily and needs to be reapplied. Can be phytotoxic to some cultivars, including Chancellor, Rougeon, Aurore, Elivira, and Catawba, especially when it is applied under slow-drying conditions. Protective activity only.

Hand Sanitizer and Masks Still Available from CCE Associations

The CCE Associations in Ontario, Schuyler, Seneca, Steuben, Wayne, and Yates Counties still have hand sanitizer and cloth face coverings available for farms and farm-related businesses in their respective counties. Sanitizer is available in either 1 gallon bottles or individual 2 oz. spray bottles, and the masks, which are washable and reusable, come in packs of 5. Farms with retail operations (such as tasting rooms) which are in the process of reopening to customers are welcome to request supplies to accommodate the public as well.

Coordination of the distribution of these supplies is being done by each association office, and each one is doing it a little bit differently. Some may be contacting growers on their own already. You will to provide some basic information such as your name (or business name), contact information, quantities of sanitizer and masks that you would like to get, and the number of employees at your business (Extension associations need to track this as part of this program).

To request these supplies from your local CCE office, please contact:

<u>Ontario County</u> Email: tsd2@cornell.edu Phone: 585-397-0750	<u>Schuyler County</u> Email: schuyler@cornell.edu Phone: 607-535-7161
<u>Seneca County</u> Email: jlw24@cornell.edu Phone: (315) 539-9251	<u>Steuben County</u> Email: adk39@cornell.edu Phone: 607-664-2300
<u>Wayne County</u> Email: eac9@cornell.edu Phone: 315-331-8415	<u>Yates County</u> Email: bg393@cornell.edu Phone: 315-536-5123

Free COVID-19 diagnostic testing for NY's agricultural workers

As New York State's capacity to test for COVID-19 is expanding, "essential employees" and Phase 1 businesses in the state's re-opening are being prioritized for diagnostic testing, according to the NYS Department of Health's revised guidance. This means anyone who works in agriculture should be eligible for free COVID-19 testing. (See "Can I Be Tested?" at <https://coronavirus.health.ny.gov/covid-19-testing>).

"Essential workers," which include anyone working in production agriculture, can request an appointment by completing an assessment at <https://covid19screening.health.ny.gov/> or by calling the New York State's COVID-19 hotline at 1-888-364-3065. The hotline does provide translators for non-English speakers.

When completing the assessment, you will be asked a short series of questions regarding symptoms and exposures. If you or your employees have not had any symptoms or exposure to a person diagnosed with COVID-19, this does not mean you are ineligible for free testing.

Eligibility relates to the question about your work. Among those eligible for free testing are "essential employees who have direct contact with the public while working." That includes anyone who works on a production-based farm.

New York State requires the following information for making an appointment at one of its testing sites: first and last name, gender, date of birth, and permanent address. A photo i.d. and permanent address information will be requested also at the testing site.

Any agricultural worker who needs assistance with requesting free diagnostic testing may contact NYCAMH's Farm Partners' social worker, Kathy Smith, at 800-343-7527 or Kathleen.Smith@bassett.org. NYCAMH also has staff available to provide Spanish-speaking translation assistance. NYCAMH is a private, non-profit and non-regulatory organization committed to the health and safety of New York's farm community.

(Source: New York Center for Agricultural Medicine and Health; <http://www.nycamh.org/news.php?id=850>)



EPA Releases Temporary Guidance on Respiratory Protection for Agricultural Pesticide Handlers During COVID-19

There is no higher priority for EPA than protecting the health and safety of Americans, especially during the COVID-19 public health emergency. EPA has heard from states and stakeholders about Personal Protective Equipment shortages in the agricultural sector. To respond to these reports and to help ensure the health and safety of America's farmers, EPA is providing temporary guidance regarding respiratory protection requirements for agricultural pesticide handlers. Our guidance aligns with recent OSHA memos on respirators while addressing EPA's responsibilities under FIFRA and the Agricultural Worker Protection Standard (WPS).

Additional Information

The **temporary** guidance outlines approaches to address the unavailability of required respiratory protection and respiratory fit testing that should **first be exhausted before considering any alternative options. Options include:**

- Use alternative NIOSH-approved respirators offering equivalent or greater respiratory protection than those required on the pesticide label;
- Hire commercial applicator services with enough respirators and respiratory protection capabilities;
- Opt to use agricultural pesticide products that do not require respirators; or
- Delay pesticide applications until another compliant option is available.

If the above options are exhausted, EPA's guidance provides additional options with strict terms, conditions, and exhaustion requirements to minimize potential incremental risks to workers:

- Reuse and extended use of disposable N95 filter facepiece respirator;
 - Use of "expired" respirators;
 - Use of respirators certified in certain other countries or jurisdictions meeting protective conditions outlined; or
 - Delay the annual respirator "fit test."
-
- This is a temporary policy. EPA will assess the continued need for and scope of this temporary guidance on a regular basis. To read the guidance in full and to learn more about EPA's Worker Protection Standard, visit [this webpage](#).

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.



Tuesday Timely Topics: Extension Answers Your Questions

Tuesday, June 16 4:30 – 5:30 PM

Regional viticulture extension staff will answer grower questions about what's been happening in the field and all things viticulture.

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

Research Updates and Management for Spotted Lanternfly in 2020

Wednesday, June 17 3:00 PM

Online Webinar

Join us for the **Research Updates and Management for Spotted Lanternfly in 2020** live webinar to learn the fundamentals of Spotted Lanternfly (SLF) management and biology in vineyards. This webinar will include information on management actions to take before you have SLF in your vineyard, if you just have a few, and if you're inundated with them.

Heather Leach, Extension Associate with Penn State University and all-around SLF guru, will describe the most up-to-date research findings on vine damage, phenology, behavior, and management strategies for SLF, as well as the research happening in 2020 to develop new control options.

More information about the webinar and a link for registration can be found at <https://extension.psu.edu/research-updates-and-management-for-spotted-lanternfly-in-2020>.

FLGP Virtual Tailgate Meeting

June 23, 2020 4:30 – 6:00 PM

Join FLGP viticulturist Hans Walter-Peterson (and the occasional guest speaker) for any or all of this year's Tailgate Meetings, held every other Tuesday afternoon during the 2020 growing season. These meetings feature a free-flow discussion of what's been happening in vineyards, timely reminders about important practices, and updates on some of the applied research being done in grapes this year. Tailgate Meetings have been approved for 0.75 NY pesticide recertification credits.

This year's Tailgate Meetings will be held online until we are able to hold them in-person again, which will hopefully be sooner rather than later.

Register for this year's online Tailgate Meetings at

https://cornell.zoom.us/meeting/register/tJwvc-6qpjoiHtS5l2AQssfPXzXe_iKnX4f7

2020 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
6/3/2020	76.9	60.9	0.36	18.9	343.0
6/4/2020	86.3	58.9	0.03	22.6	365.6
6/5/2020	88.5	64.7	0.05	26.6	392.2
6/6/2020	77.9	60.2	0.06	19.1	411.2
6/7/2020	69.8	52.9	0.00	11.4	422.6
6/8/2020	72.9	48.0	0.00	10.5	433.0
6/9/2020	92.9	56.2	0.00	24.6	457.6
Weekly Total			0.50"	133.5	
Season Total			5.57"	457.6	

GDDs as of June 9, 2019: 399.2

Rainfall as of June 9, 2019: 6.69"



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	261.5	254.4	-3
June	149.1	480.2	0
July		643.6	
August		592.2	
September		358.3	
October		110.0	
TOTAL	422.6	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	1.30"	3.16	-1.86"
June	.24"	3.60	
July		3.42	
August		3.23	
September		3.53	
October		3.42	
TOTAL	4.08"	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

June 10th, 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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