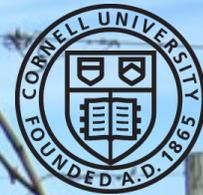


Cornell Cooperative Extension

Finger Lakes Grape Program



April 28th, 2021

Finger Lakes Vineyard Update

In the Vineyard

The forecast for last Wednesday night and Thursday morning was for temperatures throughout most of the Finger Lakes to drop below freezing, which put a lot of us on edge about how the buds would survive. Warm weather the previous 7-10 days started to cause some early varieties to start to push out, raising concerns about the potential for frost damage.

Based on visits to several vineyards this week, and hearing some other reports from the Finger Lakes, it seems that we have come through in pretty good shape.

Most of my stops this week were around Canandaigua and Keuka Lakes, where some of the lowest temperatures were (but not the lowest) and where early budding varieties like Foch, Marquette, Niagara and Concord are more abundant. The worst damage I saw in any particular vineyard was maybe 10% bud injury in a block of Marquette. In the other locations, you could find a bud or two on some vines, especially closer to the ground on suckers, that were killed by the cold temperatures.

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Budswell on Elvira vines, Naples NY.

I have to admit that I was somewhat pleasantly surprised at what I saw, given how much some of these early varieties had progressed (some very close to what we would officially call “budbreak” – see photo). Our colleague, Dan Olmstead, coordinator of the NEWA network with the IPM program, pulled together the table below with minimum temperatures recorded at each of the NEWA weather stations located in the Finger Lakes counties, as well as how many hours temperatures were below 29°F and between 28-30°F, which are in the range of the critical temperatures where we might expect to see damage to buds once they get to budbreak.

Station name	Hrs <29°F	Hrs 28-30°F	Lowest temp (°F)
Branchport	7	4	27.4
Butler (Tree Crisp)	1	6	28.8
Dresden (FLX TDV)	3	5	27.9
Dundee (Wiemer)	2	6	28.6
Fairville (The Apple Shed)	3	4	27.6
Farmington	9	10	23.9
Geneva	5	5	26.0
Geneva (AgriTech Darrow)	6	5	26.1
Geneva (AgriTech McCarthy)	5	3	26.6
Geneva (AgriTech North)	5	5	26.4

In the Vineyards (continued from page 1)

Geneva (Bejo)	5	3	26.3
Hammondsport (Doyle Vineyard)	8	5	26.7
Interlaken (Airy Acres)	3	6	27.2
Lakemont	2	7	28.2
Lodi (Lamoreaux)	11	13	25.5
Montour Falls	4	6	27.9
Ovid (Hosmer)	4	4	26.4
Penn Yan	1	8	28.0
Phelps	5	3	27.1
Romulus (Buttonwood Grove)	3	4	28.0
Romulus (Thirsty Owl)	4	1	26.8
Sodus	1	7	27.9
Sodus (Cherry Lawn)	0	0	30.3
Sodus (Lake)	0	1	29.9
South Bristol	10	8	26.1
Varick (Swedish Hill)	5	8	25.7
Watkins Glen	8	11	26.1
Watkins Glen (Lakewood)	4	7	28.1
Williamson (Demarree)	0	1	29.6
Williamson (Mason)	0	3	29.4
Williamson (Orbaker)	0	0	31.1

Stations listed in bold are located at or close to Finger Lakes vineyards.

Source: NEWA weather network (Dan Olmstead, NYS IPM Program)

Of the stations are located at or close to vineyards, the coldest readings were actually at Lodi and Varick, places that we tend to think of as a bit warmer than some other spots. Not surprisingly, the warmest low temperatures were recorded up in Wayne County, thanks to their close proximity to Lake Ontario. Maybe the more unusual aspect is the number of hours where temperatures were below 30. At Lodi, the temperatures were below 29°F for 11 hours, and at South Bristol for 10 hours.

The fact that the winds were blowing during this cold event probably ended up helping us to some extent. When cold air is brought in by a weather system and wind continues to mix the air layers, it is called an *advective freeze* (or frost), which is a bit unusual for the Finger Lakes. It is more common for us to see *radiation freeze* events, which occur under clear and calm conditions and the coldest air is able to settle near the ground. Given how cold it got while the wind was blowing, it is likely that it would have gotten even colder at ground level if inversion layers had been able to form.

Other parts of the country, including Texas, Missouri and Ohio, seem to have fared worse unfortunately, with reports of significant damage in some of their vineyards. Our friends out in the Lake Erie region are still assessing the extent of damage out there, but their vines had progressed further than our had (they called budbreak for Concord at the CLEREL research vineyards on April 20, about 2 weeks ahead of average).

Our typical final frost date in the Finger Lakes is around mid-May, so while we're not out of the woods yet, it's encouraging to see that we seem to have gotten past last week's cold relatively unscathed.

Introducing NEWA 3.0: Updated Models and Resources for Growers

Dan Olmstead, NEWA Coordinator– NYS IPM Program

The Network for Environment and Weather Applications (NEWA) is an important resource in the IPM toolbox for growers. 2021 is bringing long-awaited updates and improvements that were designed specifically with grower needs in mind. This article will quickly get you started with NEWA 3.0 during this period of transition.

Where can I find the updated NEWA 3.0 website?

NEWA 3.0 is at <https://dev.newa.cornell.edu>. Note this website address has dev in the front indicating it is a 'development' website, meaning there could be some occasional bugs or issues. If you discover a glitch, have a problem, or want to ask questions, contact the NEWA Help Desk right away by sending an email message to support@newa.zendesk.com. We need your help to catch these last bumps in the road.

Is the old NEWA website still available?

YES. The old NEWA is available for all of 2021 at <http://newa.cornell.edu>. Note this website address does not have **dev** in the front. This old version will not be retired until after the 2021 growing season because we want to minimize frustration or anxiety that comes with learning new technology. For example, please feel free to rely on old NEWA for day-to-day management while you set aside time off-hours to learn NEWA 3.0.

How do I get started with NEWA 3.0?

There are three important steps to complete before using NEWA 3.0 models. Quickstart video tutorials are available for each at the NEWA Help Desk. See Table 1 for details and links.

Title	Link
How to start using NEWA	https://newa.zendesk.com/hc/en-us/
How to customize your NEWA dash-	https://newa.zendesk.com/hc/en-us/
How to use your NEWA dashboard	https://newa.zendesk.com/hc/en-us/

Table 1. Watch these Quickstart video tutorials to get started with NEWA 3.0.

I found a glitch! What do I do?

Please report a NEWA 3.0 bug or issue to https://newa.zendesk.com/hc/en-us/requests/new?ticket_form_id=1500000353601. Or send a message to support@newa.zendesk.com with lots of details and a screenshot or two of your problem. We need your help finding and working out these final bugs.

Where can I learn more?

Visit the [NEWA Help Desk](#). Follow NEWA on Twitter [@NetworkforEnvi2](#) or Facebook [@nysipm.newa](#) and check out the NEWA blog at <https://dev.newa.cornell.edu/blog>.

COVID-19 Vaccines Available for Farm Employees

Finger Lakes Community Health and Oak Orchard Health are able to provide COVID-19 vaccinations to farm employees at their place of work. Both services have vaccines available right now, and are able to provide bilingual nurses for the vaccinations if needed.

Growers who are interested in having either service come to their farm much should contact either organization – phone numbers and online links are provided below. They will reach out to make arrangements shortly afterwards. Vaccinations are free and do not require proof of citizenship.

Oak Orchard Health

Phone: (585) 637-3905

<https://oakorchardhealth.org/employer-vaccine-clinics/>

Finger Lakes Community Health

Phone: (315) 531-9102

<https://www.localcommunityhealth.com/convenient-covid-19-vaccines-now-available-for-employees/>

Growers can also contact their county health departments for information about COVID vaccination options in addition to the resources above.

Ontario County Public Health:

Phone: (585) 396-4343

<https://www.co.ontario.ny.us/101/Public-Health>

Schuyler County Public Health:

Phone: (607) 535-8140

<https://www.schuylercounty.us/166/Public-Health>

Seneca County Public Health:

Phone: 315-539-1920

<https://www.co.seneca.ny.us/covid-19-vaccine-links/>

Steuben County Public Health:

Phone: (607) 664-2438

<https://www.steubencony.org/pages.asp?PID=13959>

Wayne County Public Health:

Phone: 315-946-5749

<https://web.co.wayne.ny.us/index.php/publichealth/>

Yates County Public Health:

Phone: 315-536-5160

<https://www.yatescounty.org/211/Public-Health>

VINE REPLACEMENT INSURANCE PROGRAM BEING DEVELOPED FOR U.S. GRAPE AND WINE INDUSTRIES

On November 19, 2020, the Federal Crop Insurance Corporation (FCIC) Board of Directors approved AgriLogic Consulting, LLC to develop a federally subsidized vine replacement insurance program for the United States grape and wine industries.

AgriLogic had been previously contacted by various industry representatives from several key production regions requesting a product to protect producers against perils that can destroy vines, namely freeze and fire. Subsequent research and industry discussions resulted in a proposal to develop a vine replacement product for the following states: California, Idaho, Michigan, New York, Oregon, Pennsylvania, Texas, and Washington.

The list of perils to be included are freeze, hail, flooding, volcanic eruption, fire, and failure of the irrigation water supply (if caused by an unavoidable naturally occurring event during the insurance period). Claims will be limited to those resulting in complete destruction or death of the vine. Losses due to partial damage will not be paid. Wine, table, and juice grape varieties will be included.

While both programs are federally subsidized and administered by the USDA Risk Management Agency (RMA), the vine replacement program is different and separate from the existing Grape and Table Grape Crop Insurance Programs, which cover losses related to the production of the fruit itself. Producers will be able to purchase the vine insurance program through existing crop insurance agents once the program becomes available, which is currently targeted for the 2023 crop year.

Over the next several months, AgriLogic will publicize and host virtual listening sessions to obtain producer feedback on program components. Industry involvement is imperative to a successful program development and we value the input of all interested parties. Dates, times, and participation information will be distributed through various industry organizations, newsletters, and other resources.

AgriLogic has an extensive history and proven experience related to researching and subsequently developing insurance programs for various crops nationwide. Over the course of the last 20 years, AgriLogic has completed more than 70 projects for the RMA. These projects have included feasibility studies, the development of new products, revisions to existing products, and reviews of products developed by both RMA and private organizations. Please direct all questions about this Vine Replacement Program to Nicole Gueck at nqueck@agrilogic.com and learn more about AgriLogic's current and past projects at www.agrilogicconsulting.com.

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 (in-person)

Tuesday, May 11 *4:00 – 5:30 PM*

Scenic Hill Farm

3307 Old Bath Road

Penn Yan, NY

We will be holding an in-person version of the Spring IPM meeting on Tuesday, May 11. This meeting is primarily intended for those who do not have Internet access, or are unable to participate in the virtual Spring IPM Meeting for some other reason, but still need to get pesticide credits. Our protocol for in-person meetings limits attendance to 20 people, so pre-registration is required. All attendees will be required to be adequately spaced apart and to wear masks during the meeting. Further information will be given after registration.

To register for this meeting, please call Brittany Griffin at (315) 536-5134 or email her at bq393@cornell.edu. If you do have Internet access, you can also register online using the [Spring Grape IPM In-Person Registration link](#).

FLGP Tailgate Meetings

Every other Tuesday beginning May 25

4:30 – 6:00 PM

We have learned a lot of things during this pandemic – a lot of it has been bad or upsetting, but there have been a few things that emerged that we can move forward with. For wineries, it's been the switch to seated, reserved tastings, which many say they are going to continue even after public restrictions are lifted. Likewise, the FLGP and growers learned that holding grower meetings over Zoom isn't so bad after all. So in that vein, we will be alternating our Tailgate Meetings this year between online and in-person formats. As in past years, the meetings will be held from 4:30 – 6:00 PM and growers will be eligible to receive 0.75 pesticide recertification credits for attending each meeting.

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.



Finger Lakes Grape Program Tailgate Meetings 2021

The following is the schedule for this year's meetings:

Date	Location	County
May 25, 2021	Online	
June 8, 2021	Clearview Farms, 4150 Stever Hill Rd., Branchport NY 14418	Yates
June 22, 2021	Online	
July 6, 2021	Boundary Breaks Vineyard, 1568 Porter Covert Rd., Lodi NY 14860	Seneca
July 20, 2021	Online	
August 3, 2021	Kashong Glen Vineyards, 1107 Earls Hill Rd., Penn Yan NY 14527	Yates
August 17, 2021	Online	

Online Tailgate Meetings:

Registration link: <https://cornell.zoom.us/meeting/register/tJwrceqprzksHNXJTbu-5ViDvfB9E0hcUObf>

Registration for the online Tailgate Meetings is only required once – the link you receive when you register will work for all four online meetings this year. We will also need to receive an image or photocopy of your pesticide license before the first meeting that you attend. These images/copies can be sent to Brittany Griffin at bg393@cornell.edu. More information will be included in your confirmation email.

In-person Tailgate Meetings:

Registration: Call Brittany Griffin at 315-536-5134, or register online using the following links:

June 8 Tailgate Meeting (Clearview Farms): https://reg.cce.cornell.edu/InPersonTailgate1_10504

July 6 Tailgate Meeting (Boundary Breaks): https://reg.cce.cornell.edu/InPersonTailgate2_10504

August 3 Tailgate Meeting (Kashong Glen): https://reg.cce.cornell.edu/InPersonTailgate3_10504

These meetings are primarily intended for those who are not able to participate in our online meetings. In accordance with our protocols for in-person meetings due to COVID-19, each meeting will be limited to 20 participants, and physical distancing and masks will be required for everyone who attends.

2021 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
4/21/2021	36.1	31.0	0.13	0.0	55.0
4/22/2021	38.8	27.9	0.01	0.0	55.0
4/23/2021	60.0	31.1	0.00	0.0	55.0
4/24/2021	65.5	48.0	0.00	6.8	61.8
4/25/2021	55.8	37.6	0.02	0.0	61.8
4/26/2021	49.5	33.2	0.00	0.0	61.8
4/27/2021	72	37.3	0.04	4.7	66.4
Weekly Total			0.20"	11.4	
Season Total			1.70"	66.4	

GDDs as of April 27, 2020: 5.6

Rainfall as of April 27, 2020: 1.63"



Seasonal Comparisons (at Geneva)

	2021GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	61.5	62.7	
May		254.6	
June		481.5	
July		646.4	
August		593.2	
September		358.7	
October		109.9	
TOTAL	61.5	2507.1	

Growing Degree Days

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

	2021 Rain ⁴	Long-term Avg Rain ₅	Monthly deviation from avg ⁶
April	1.71"	2.83"	
May		3.12"	
June		3.55"	
July		3.43"	
August		3.20"	
September		3.49"	
October		3.40"	
TOTAL	1.71"	22.89"	

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
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
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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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