



Finger Lakes Vineyard Update

Final weekly issue of *Vineyard Update* for 2022

This will be the last weekly *Vineyard Update* newsletter for 2022. Next week, we will be starting our annual [Veraison to Harvest](#) project and the weekly reports that get published as part of it. Updates on the progress of ripening and harvest from around New York are included in each issue. If we need to communicate anything with growers in between those issues, or that isn't appropriate for that venue, we will continue to get that information out separately from the weekly reports. Each week's report will be emailed on Friday, and hard copies will get mailed shortly after that.

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You can find past issues of *Veraison to Harvest* at the project's website, <https://grapesandwine.cals.cornell.edu/newsletters/veraison-harvest/>

In the Vineyard

After weeks of abnormally dry weather, the Finger Lakes finally got a few days earlier this week with steady rains that could soak into the ground. Combined with the heavier storms that blew through last week, most of the NEWA stations in the region recorded anywhere from 2 – 3" of rain over the past 10 days.

Location	Rainfall Aug. 15-24
Branchport	2.68"
Dresden	2.05"
Geneva	1.90"
Hammondsport	3.00"
Lodi	1.64"
Romulus	2.00"
South Bristol	2.46"
Williamson	1.89"

In the vineyard (continued from page 1)

This has brought some welcome relief to vineyard blocks where signs of drought stress were starting to become more common and more concerning. As I've mentioned before, we would prefer that the vines have relatively little water stress during the ripening phase of the season so they can continue to photosynthesize as much as they can in order to ripen the fruit and to develop reserves that will help with cold hardiness and early growth next season. At the same time, we obviously don't want so much water that the fruit cannot dry out and we start to get condition that promote bunch rots.

Speaking of ripening, we're well into veraison at this point. Later varieties like Riesling, Cabernet Franc, Vidal and a few others are still working their way through, but most other cultivars have been turning color and berries are softening up. Concord seemed to be in a big hurry to start ripening, as it went from green berries to light purple in what felt like just a few days. An early start to the ripening process can be a response to drought stress in grapes, but I think this is more just a result of an earlier season in general. In western New York, our colleagues at CLEREL called veraison in Concord at their facility on August 17, about 5 days earlier than average. But bloom was 6 days earlier there this year also, so the heat and dry conditions don't appear to have had an impact on the amount of time between those two stages.



EQIP Program

The Natural Resources Conservation Service (NRCS) delivers conservation solutions so agricultural producers can protect natural resources and feed a growing world. One of our many financial assistance programs is the **Environmental Quality Incentives Program (EQIP)**. EQIP provides financial and technical assistance to agricultural producers and non-industrial forest managers to address natural resource concerns and deliver environmental benefits such as improved water and air quality, conserved ground and surface water, increased soil health and reduced soil erosion and sedimentation, improved or created wildlife habitat, and mitigation against drought and increasing weather volatility. Below are examples of how the EQIP program can apply to vineyards:

- Agrichemical Mixing Facilities
- Cover Crop
- Mulching
- Nutrient Management
- Integrated Pest Management
- Irrigation Water Management
- And many more!

Reach out to your local USDA Service Center to learn more!

Ontario County Service Center: 3037 County Road 10, Canandaigua, NY 14424 – (585)394-0525 ext. 3

Seneca County Service Center: 2041 U.S. Route 20, Seneca Falls, NY 13148 – (315)568-6346 ext. 3

Schuyler County Service Center: 225 S. Fulton St, Ithaca, NY 14850 – (607)257-2737 ext. 3

Steuben County Service Center: 415 West Morris St, Bath, NY 14810 – (607)622-8422 ext. 3

Wayne County Service Center: 10 Leach Rd, Lyons, NY 14489 – (315)946-9912 ext. 3

Yates County Service Center: 270 Lake St, Suite 2, Penn Yan, NY 14527 – (315)536-4012 ext. 3

www.nrcs.usda.gov

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Ag Energy NY: A CCE Program for Farm Energy Efficiency

Would you like to save on your farm energy bills? There are many opportunities to reduce energy use through efficiency improvements that save money, labor, and maintenance costs. Energy efficiency also has co-benefits, buffering farms from high costs in energy market fluctuations and making it easier to transition to electric power and renewable energy.

Ag Energy NY is a program by Cornell Cooperative Extension of Tompkins County, offering a mobile-friendly website and factsheets describing farm energy efficiency technologies, techniques, and incentives. Ag Energy NY focuses on the following farm sectors: crops and vegetables, beef, swine, poultry, grain drying, maple, orchards, berries, and vineyards. This is part of a broader NYSERDA program, [Energy Best Practices in Agriculture](#), which also provides support for dairies and greenhouses.

After reviewing energy efficiency measures online, you can reach out to the Ag Energy NY team with questions and to connect with a NYSERDA FlexTech Consultant for farm-specific advising. NYSERDA offers no-cost, no-commitment energy assessments to help farmers prioritize areas for improvements and identify incentives to help with implementation. For more information, visit www.agenergyny.org.



2022 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
8/18/22	81.3	57.7	0.01	19.5	2134.6
8/19/22	82.3	60.6	0.00	21.5	2156.1
8/20/22	86.8	62.7	0.00	24.8	2180.8
8/21/22	83.2	67.6	0.59	25.4	2206.2
8/22/22	75.1	66.7	0.73	20.9	2227.1
8/23/22	77.7	66.0	0.29	21.9	2249.0
8/24/22	82.9	62.2	0.00	22.6	2271.5
Weekly Total			1.62"	156.4	
Season Total			13.58"	2271.5	

GDDs as of August 24, 2021: 2238.3

Rainfall as of August 24, 2021: 19.55"



Seasonal Comparisons (at Geneva)

	2022 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	58.3	62.9	-2
May	337.8	254.6	+7
June	506.9	484.1	+6
July	676.2	645.5	+7
August	530.0	595.7	+11
September		359.9	
October		112.8	
TOTAL	2109.2	2515.5	

¹ Accumulated GDDs for each month.

² The long-term average (1973-2021) 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.

2022 GDD & Precipitation

Precipitation

	2022 Rain ⁴	Long-term Avg Rain ⁵	Monthly deviation from avg ⁶
April	2.00"	2.83"	-0.82"
May	1.66"	3.09"	-1.43"
June	5.18"	3.52"	+1.66"
July	1.95"	3.46"	
August	2.18"	3.22"	
September		3.46"	
October		3.47"	
TOTAL	12.97"	23.05"	

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
Mike Collizi- E & J Gallo
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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 partnership between Cornell University and the Cornell Cooperative Extension Associations in Ontario, Seneca, Schuyler, Steuben, Wayne and Yates Counties.

flgp.cce.cornell.edu



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