

Cornell Cooperative Extension Finger Lakes Grape Program



August 29th, 2019

Finger Lakes Vineyard Update

In the Vineyard

Hans Walter-Peterson

This will be the final weekly edition of the Vineyard Update for the 2019 season. Further updates about how the season is progressing will be in the weekly 'Veraison to Harvest' newsletters that will start next week. We will continue to send out information in between those newsletters as needed during the harvest season as well.

I will be out of the office attending a conference from September 4 to September 12. If you have questions or require assistance during that time, please contact our office at 315-536-5134. - Hans

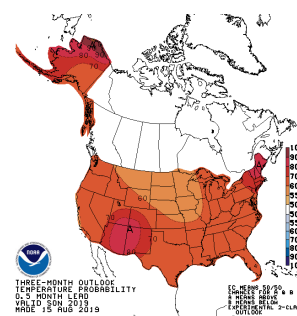
In This Issue:

In the Vineyard	pg. 1
Fruit Fly Insecticide Program	pg. 2
Farm Labor	pg. 3
2019 FLX Grape Prices	pg. 4
GDD	pg. 5

In the Vineyard

The last varieties at the Teaching Vineyard finally made it to veraison this week. Based on our records, veraison was anywhere from 4-11 days later compared to last year's dates.

Variety	2018 Veraison	2019 Veraison	Difference (days)
Marquette	7/24	8/4	11
Jupiter	7/29	8/5	7
Marquis	7/30	8/10	11
Cayuga White	8/1	8/9	8
NY81.0315.17	8/6	8/10	4
Chardonnay	8/9	8/16	7
Grüner Veltliner	8/13	8/17	4
Lemberger	8/10	8/18	8
Vidal blanc	8/13	8/24	11
Riesling	8/18	8/23	5
Cabernet Franc	8/18	8/25	7



Three month temperature outlook map from NOAA.

Out in the Lake Erie region, Concord reached veraison on Monday, August 26, at the CLEREL facility in Portland, which is also several days later than their average date of veraison.

The current three-month forecast from the National Weather Service indicates that there is a 60-70% chance that temperatures will be warmer than normal in September and October, while the chances for above or below average rainfall are about equal (in other words, who knows?).

Harvest will get underway here in the Finger Lakes next week, with Constellation Brands opening up their Aurore harvest. Ready or not, here it comes!

Suggested Fruit Fly Insecticide Program for 2019

As most growers are aware by now, a population of fruit flies from a Finger Lakes vineyard was found to be highly resistant to several different products registered for control of *Drosophila* in New York. Since that discovery, we have been strongly urging growers to use more than just one material for fruit fly control as a means of limiting sour rot development during the ripening and harvest season this year.

The following is a suggested schedule of chemical use for fruit fly control, developed in consultation with Greg Loeb, based on several factors:

1. This schedule uses at least one material from each IRAC category that is available for fruit fly control in New York. If any of these materials have been used previously during the growing season, growers will need to take that into consideration with regard to the maximum amount of material and applications for a season, and possibly substitute another material instead.
2. The schedule assumes that all materials are still effective against fruit flies. If a material is applied and high populations appear in the same area within 24-48 hours, it is possible that the population is developing resistance to that insecticide.
3. The schedule generally uses the concept of applying materials with longer PHI intervals first, then moving to materials with lower intervals from there.
4. We do not suggest applying the same material (or materials from the same IRAC category) in consecutive sprays, even if the label allows it.
5. The schedule assumes a spray interval of about 7 days between sprays. We created a program containing 6 sprays to cover most of the portion of the season where fruit fly control would be necessary. Hopefully growers will not need to use this many sprays before harvest, but it would not be impossible with some later ripening varieties.

	Material	IRAC Code	Max. Rate/ Application	PHI (days)	Comments
Spray #1*	Danitol 2.4C	3A	21 fl oz/acre	21	'Vinegar flies' and SWD listed on the label. Excellent on SWD.
Spray #2	Malathion 5EC; Malathion 57%; Malathion 8 Aquamul	1B	3 pints/acre; 3 pints/acre; 1.88 pints/acre	3	Use least expensive formulation (5EC, 57%, 8 Aquamul). Fruit flies included on the label. Good to very good efficacy; not very rain fast.
Spray #3	Assail 30SG	4A	5.3 oz/acre	3	2ee required for SWD. Do not use an adjuvant. Good but not great efficacy.
Spray #4	Delegate WG	5	5 oz/acre	7	SWD is listed on recent label. Older labels may not include SWD. Very good efficacy on SWD.
Spray #5	Malathion (see above)	1B	3 pints/acre or 1.88 pints/acre	3	See above
Spray #6	Mustang Maxx	3A	4 fl oz/acre	1	'Vinegar flies' and SWD listed on the label. Excellent efficacy on SWD

* Use only on varieties that will hang for more than 21 days after reaching 15° Brix. If resistance to Mustang Maxx is suspected, do not use Danitol.

Suggested Fruit Fly Insecticide Program for 2019 (continued from pg. 2)

Grandevo WDG, a material based on entomopathogenic bacteria that is a parasite of insects, can also be used anywhere within this rotation. Because it is a biologically-based material, it has no pre-harvest interval. Greg Loeb says Grandevo has modest efficacy against fruit flies and SWD at its maximum rate of 3 lbs/acre. Grandevo is OMRI approved, and could be rotated with Entrust SC (also OMRI listed) on no more than a 7-day schedule by growers wishing to use an organic or biointensive program.

“Farm Focused” Sexual Harassment Prevention Training

Richard Stup, Cornell Agricultural Workforce Development Program

A team of Cornell Cooperative Extension educators recently adapted New York State’s model sexual harassment prevention training materials to be more relevant to the farm workplace. NY State DOL reviewed these materials to be sure they meet the content requirements and now they are ready for release. You will find both a presentation that teaches about sexual harassment and set of case studies that illustrate it in more detail. The [presentation and case studies are available](#) in English and Spanish and in PowerPoint or video format. You can use the PowerPoints as visual aids if you choose to do the presentation and review the case studies yourself. Or, you can show the video recordings of the presentation and case studies to train your farm employees.



We developed a comprehensive [farm sexual harassment prevention resource page](#) on the Cornell Agricultural Workforce Development website. The site contains a step-by-step guide to help a farm business meet New York’s requirements for employer sexual harassment prevention policies and training. Find the new resources under Step 5.

A few reminders as you prepare for the training:

1. Treat it seriously. You could have someone in your workforce experiencing harassment right now.
2. Customize your policy for your farm and put it in place before you do the training.
3. Customize the “Sexual Harassment Prevention Poster/Notice” and distribute copies to your employees at the training.
4. Be sure that you include an interactive portion such as a question and answer session, or brief feedback survey with your employees. You can pause the videos to create opportunities for interactive questions and discussion.
5. Document your training activities.
6. All New York employers are required to complete the training each year with all employees. The due date for this first time is October 9, 2019!

Continue Using the Current I-9 Form

Very sharp HR managers may have noticed that the current [Form I-9](#) is set to expire on 08/31/2019. U.S. Citizenship and Immigration Services (USCIS) just released a notice that employers should continue to use the current form after this expiration date until further notice, see USCIS note below. You can find helpful

“Farm Focused” Sexual Harassment Prevention Training (cont. from pg. 3)

Richard Stup, Cornell Agricultural Workforce Development Program

information and an I-9 Standard Operating Procedure (SOP) for farm employers at Cornell Ag Workforce Development's [Authorization to Work page](#).

USCIS Notice appears below...

08/27/19

Continue to Use the Current Form I-9 for Employment Eligibility Verification

Until further notice, employers should continue using the [Form I-9](#) currently available on [I-9 Central](#), even after the expiration date of August 31 has passed.

We will provide updated information about the new version of the Form I-9 as it becomes available.

2019 FLX Grape Price Survey

The 2019 grape price list is included in this week's Update (see following). I have not had a chance to do much in the way of analyzing it and comparing to previous years yet, but we wanted to be sure to get the information out to the industry now that we have it put together. The list will also be posted to our website soon.

Growers who are interested in a little more detailed discussion about the prices and market for Concords and Niagaras can check out a short video from the Lake Erie Regional Grape Program's Kevin Martin (Farm Business Management educator) about his take on the prices for that part of the New York grape market.

The link to the video is <https://www.youtube.com/watch?v=wTVW4Yw-qDw>.

2019 Finger Lakes Grape Price Survey

Prices/ton

Name	Anthony Road	Bully Hill Vineyards	Chateau Lafayette Reneau	Constellation Wines	Fox Run Vineyards	Fulkerson Winery	Glenora Wine Cellars	Hazlitt's Red Cat Cellars	Hazlitt 1852 Vineyards	Heron Hill Winery	Hunt Country Vineyards	Knapp Winery	Lakewood Vineyards	Red Newt	Swedish Hill Vineyard	Average	Low	High
Aromella															650	650	650	650
Aurore		440		425		420										428	420	440
Baco Noir		650	625	510		600	625			650		625	625			614	510	650
Cabernet franc	1300	1500	1500		1800	1700	1500			1500	1700	1500	1500	1350	1800	1554	1300	1800
Cabernet Sauvignon		1700	1750			1700	1750			1700	1800	1750		1900	1850	1767	1700	1900
Castel		700														700	700	700
Catawba		290	350	290		340	350		355		350	350	400		350	343	290	400
Cayuga White		600	600	525	600	500	600			650	600	600	600		525	582	500	650
Chambourcin		700									800				825	775	700	825
Chancellor		700				600										650	600	700
Chardonel		750														750	750	750
Chardonnay	1400	1300	1350		1325	1400	1350			1500	1400	1350	1400		1450	1384	1300	1500
Chelois		900														900	900	900
Colobel		700		425												563	425	700
Concord		340		230		300		250	300		275		375		290	295	230	375
Corot noir						600					600				550	583	550	600
De Chaunac						525					500		475			500	475	525
Delaware						400							475			438	400	475
Diamond						500									425	463	425	500
Dornfelder						1600										1600	1600	1600
Elvira				300												300	300	300
Frontenac		500											900			700	500	900
Frontenac Gris															600	600	600	600
Geneva Red (GR7)		700	575	510			575					575				587	510	700
Gewurztraminer	1600	1800	1650			1700	1650			1700		1650	1650	2000	1700	1710	1600	2000
Golden Muscat						400			375						375	383	375	400
Gruener Veltliner						1600				1800						1700	1600	1800

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Himrod						700										700	700	700
Hybrid - Red			450	425			450		530		450	450			400	451	400	530
Hybrid - White			450				450				400	450			400	430	400	450
Isabella			475				475					475			460	471	460	475
Ives				510									425			468	425	510
LaCrescent															650	650	650	650
Lakemont						500										500	500	500
Lemberger	1400		1450		1800	1600	1450			1400	1550	1450	1600	1350	1700	1523	1350	1800
Leon Millot		700				625							625			650	625	700
Marechal foch		700				625				600			625		700	650	600	700
Marquette		900													700	800	700	900
Melody															600	600	600	600
Merlot	1700	1700	1700			1900	1700			2250	1800	1700		1900	2000	1835	1700	2250
Muscat ottonel			1000				1000			1000		1000				1000	1000	1000
Native - Red			400				400					400				400	400	400
Native - White			400				400					400				400	400	400
Niagara		340	400			300	400		355		350	400	375	400	275	360	275	400
Noiret		650				600								700	825	694	600	825
Pinot blanc			1450				1450			1575		1450				1481	1450	1575
Pinot gris	1700	1800	1700			1700	1700			1800	1700	1700	1700	1800	1700	1727	1700	1800
Pinot noir	2000	1900	1700		1600	1900	1700			2000		1700	2200	1900	2000	1873	1600	2200
Pinot noir, sparkling															1700	1700	1700	1700
Riesling	1600	1600	1500		1700	1400	1500			1475	1500	1500	1500	1800	1300	1531	1300	1800
Rosette						375										375	375	375
Rougeon	650	500	550	425		500	550					550			550	534	425	650
Sangiovese			1825				1825					1825				1825	1825	1825

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Sauvignon blanc			1700			1700	1700					1700				1700	1700	1700
Saperavi		1900	750				750					750				1038	750	1900
Seyval		550	600			700	600			650	650	600				621	550	700
St. Croix		800														800	800	800
Syrah			1750			1900	1750					1750				1788	1750	1900
Traminette		950			700	900			800	900	700				600	793	600	950
Valvin muscat						900					850		1000		900	913	850	1000
Verdelet		600														600	600	600
Vidal blanc		600	650			600	650			600	650	650	650		600	628	600	650
Vidal blanc, late harvest		1650														1650	1650	1650
Vignoles (Ravat)	900	800	750			800	750				800	750	800		800	794	750	900
Vignoles Late Harvest	1600															1600	1600	1600
Vincent			525	510		600	525					525	625		650	566	510	650
Vinifera - Red			1000				1000					1000			600	900	600	1000
Vinifera - White			1200	415			1200					1200			500	903	415	1200
Vinifera (other)										1100	1200					1150	1100	1200
Viognier															1700	1700	1700	1700
Zweigelt						1900									1700	1800	1700	1900

Note:

1. Some 'premium' prices may not be listed. Some processors may have sliding price scales, based on brix.
2. If in doubt, check with the buyer. We have made every effort to be accurate, but the range of price categories was edited.
3. The 'average' price listed is merely an average of the stated prices. It is not weighted based on tons purchased at each price.

Finger Lakes Vineyard Update

Finger Lakes Grape Program

August 29th, 2019

2019 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
8/22/2019	74.0	61.1	0.00	17.6	1975.5
8/23/2019	71.8	56.0	0.00	13.9	1989.4
8/24/2019	65.6	54.3	0.00	10.0	1999.3
8/25/2019	74.4	53.1	0.00	13.8	2013.1
8/26/2019	78.3	55.1	0.00	16.7	2029.8
8/27/2019	74.0	60.8	0.00	17.4	2047.2
8/28/2019	73.4	61.0	0.31	17.2	2064.4
Weekly Total			0.31"	106.5	
Season Total			15.50"	2064.4	

GDDs as of August 28, 2018: 2343.1

Rainfall as of August 28, 2018: 16.00"



Seasonal Comparisons (at Geneva)

Growing Degree Day

	2019 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	48.1	64.1	-5
May	204.1	255.5	-5
June	449.1	480.9	-5
July	712.8	642.1	-1
August	526.9	592.7	-2
September		357.6	
October		110.1	
TOTAL	1940.8	2503.0	

¹ Accumulated GDDs for each month.

² The long-term average (1973-2017) GDD accumulation as of that date in the 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.

Finger Lakes Vineyard Update

Finger Lakes Grape Program

August 29th, 2019

2019 GDD & Precipitation (continued from page 5)

Precipitation

	2019 Rain ⁴	Long-term ₅ Avg Rain	Monthly deviation from avg ⁶
April	2.22"	2.85"	-0.63"
May	4.42"	3.13"	+1.29"
June	3.61"	3.60"	+0.01"
July	2.20"	3.44"	-1.24"
August	4.09"	3.21"	
September		3.57"	
October		3.39"	
TOTAL	16.54"	23.16"	

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)

Finger Lakes Vineyard Update

Finger Lakes Grape Program

August 29th, 2019

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

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Richard Jerome- Jerome's U-Pick

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Cornell Cooperative Extension Finger Lakes Grape Program

Hans Walter-Peterson—Team Leader

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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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