



Finger Lakes Grape Program

August 25, 2016

# Finger Lakes Vineyard Update

## In the Vineyard

*Hans Walter-Peterson*

Most varieties are well into or through veraison by this point, with the exception of Catawba (expected) and, somewhat surprisingly, a number of Concord vineyards. Berries in vineyards on the Keuka Bluff and around Branchport mostly looked like the photo below (taken on Monday, August 22). By this point last season, Concords were well into their color change phase, and Catawba were starting to turn pink and soften, so while most other varieties seemed to reach veraison close to when they did last year, native varieties seem to be a bit slower to join the party. It is possible that this delay in veraison is due at least in part to the dry soil conditions, which can impact native varieties to a greater extent due to the fact that they tend to have a shallower root system than vines grafted onto rootstocks, and therefore “feel” the impacts of the drought to a greater extent than more deeply rooted vines.



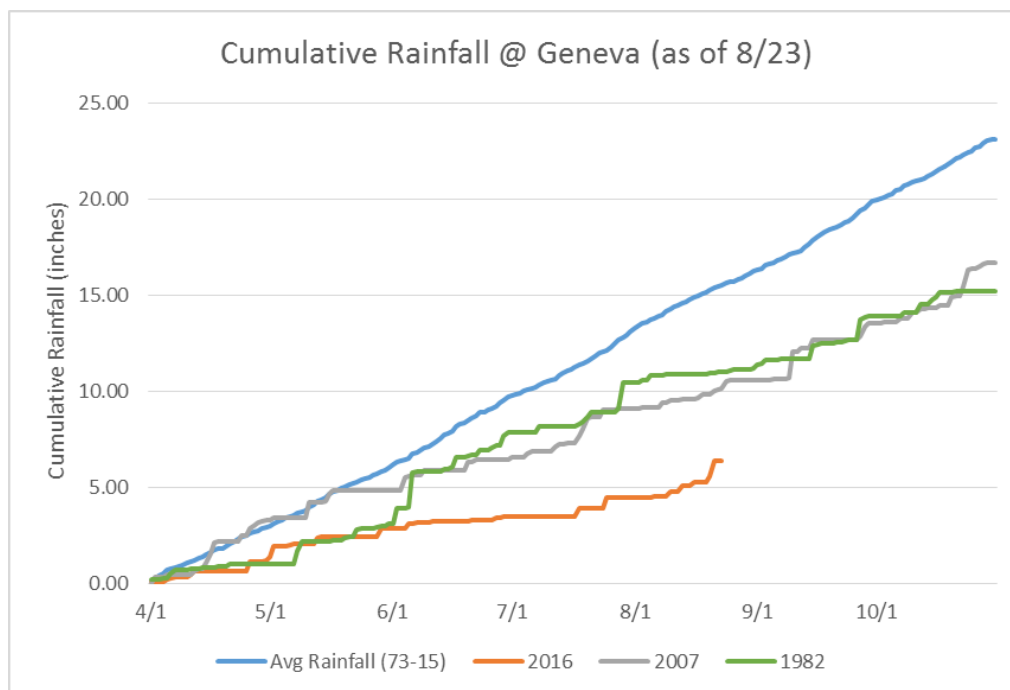
Concord berries near Branchport on Monday, August 22



Concord leaf with bleaching on south side of a canopy. Leaves on the north side of this vine were still fully green. The temperature of the bleached portion of the leaf was significantly warmer to the touch than the greener edges. These leaves will not be as functional as those on the north side of the canopy, even if the vines are well-watered for the rest of the season.

In a pleasant change of pace, August rainfall has been closer to normal levels to this point. Most of the weather stations in Finger Lakes vineyards have recorded at least 2” of rain (except for Geneva, which is just below that) this month, and several have recorded more than 3” now. Vines are beginning to look a bit “healthier” in many places – leaves are not wilting and avoiding the sun, and even some small amount of growth has been pushing out from lateral buds as we entered veraison. As we have been discussing at our Tailgate Meetings this year, significant water stress after veraison can have major impacts on fruit ripening, so the return of some more regular rain at this point is welcome. It will, therefore, be even more important for growers and winemakers to track fruit maturity this year, as leaves that have lost some of their photosynthetic ability due to water stress will not necessarily be able to recover full functionality even if the vines are well-watered again (see [Alan Lakso's article in last week's Update](#)), which may negatively impact ripening. Our annual Veraison to Harvest sampling begins next week, and the first results will be published and sent out next Friday, September 2.

## Rainfall



## IPM

Hans Walter-Peterson



We have been seeing and hearing about an increase in feeding damage from grape leafhoppers over the past week or so. While not a wide-spread problem (as far as the vineyards we have been in, at least), a few growers have mentioned some areas where feeding damage has picked up in recent weeks. Feeding damage from leafhoppers can be more significant in dry years like this one, which means there is extra incentive to effectively control them where water stress may already be impacting the amount of fully functional leaves that are available for fruit ripening.

There are a number of materials available to control grape leafhoppers, including Sevin, Danitol, Provado and Mustang Max (see [Table 4.2.1](#) in the Grape Pest Management Guidelines for materials and effectiveness against leafhoppers). Growers who are looking for materials that are not labeled as restricted-use are limited to Sevin, Assail, Avaunt and M-Pede. While Sevin (carbaryl) is an effective insecticide if used properly, there are some vineyards where it has lost its effect against leafhoppers and resistance development needs to be kept in mind when using it. While leafhoppers are on the label for Avaunt, it is generally less effective than other materials and probably should be used more for its primary targets, grape berry moth and Japanese beetles. M-Pede is an insecticidal soap that has some effectiveness against leafhoppers, but according to its description in the Guidelines, should not be applied to vines that are water stressed or when temperatures are above 90°F.

## 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.



### **Tailgate Meeting #10**

*Tuesday, August 30 4:30 – 6:00 PM*

*Fulkerson Winery*

*5576 Route 14*

*Dundee, NY 14837*

Our tenth and final Tailgate Meeting of the year will be held at Fulkerson Winery in Dundee on Tuesday, August 30. If you haven't made it to a Tailgate Meeting this year, here's your last chance!

These meetings are held every other week at various grape farms around the Finger Lakes, and are intended to be informal, small-group meetings where FLGP staff and growers can ask questions and discuss issues about vineyard management, IPM strategies or other topics appropriate for that point in the growing season. 0.75 DEC recertification credits will be available.

### **LERGP Cover Crop Workshop and Field Day**

*Thursday, September 1 9:00 am – 4:00 pm*

*Cornell Lake Erie Research & Extension Laboratory*

*6592 West Main Road*

*Portland, NY 14769*

The Lake Erie Regional Grape Program is hosting a workshop and field day on the use of cover crops in Concord vineyards. The workshop will include summaries of current research on cover crops, touring demonstration plots, and hearing from growers who will share some of their experiences using different covers.

Registration fee is \$10, and includes morning refreshments and lunch. Registration is available online at [http://lergp.cce.cornell.edu/event\\_preregistration.php?event=268](http://lergp.cce.cornell.edu/event_preregistration.php?event=268).

### **Training on Changes to Worker-Protection Standards Regulations**

*Wednesday, October 5*

*Dickman Farms*

*13 Archie Street, Auburn NY*

A number of significant changes to the federal Worker Protection Standard for Agricultural

## Upcoming Events (continued from page 4)

Pesticides (WPS) will go into effect on January 2, 2017. These changes will affect farms, greenhouses, nurseries, forests, and other establishments (including organic establishments) on which pesticides are used in the production of agricultural crops.

If you use, supervise the use, or are responsible for the use of pesticides on such establishments, the Department of Environmental Conservation (NYSDEC) invites you to attend a WPS Mock Inspection on the morning of October 5<sup>th</sup> at Dickman Farms, 13 Archie Street, Auburn, NY. NYSDEC staff will be on hand to explain the rule changes and how to comply with them.

Check-in is from 9:30 to 10:00, with training to follow from 10:00 to noon. Attendees who are certified to apply pesticides in Categories 1A, 1D, 10, 21, 22, 23, 24, or 25 will earn 2 recertification credits. (Remember to bring your NYS pesticide certification photo ID card.)

To register, please send an e-mail to [PesticideCompliance@dec.ny.gov](mailto:PesticideCompliance@dec.ny.gov). If currently certified in New York as a pesticide applicator or commercial technician, include your Certification ID Number.

You can find additional information about changes to the WPS on EPA's website at: <https://www.epa.gov/pesticide-worker-safety/revisions-worker-protection-standard>.





## 2016 Growing Degree Days and Rainfall

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
8/17/16	84.6	66.3	0.01	25.5	2104.4
8/18/16	80.7	66.3	0.00	23.5	2127.9
8/19/16	89.2	64.7	0.00	27.0	2154.8
8/20/16	88.9	67.3	0.00	28.1	2182.9
8/21/16	75.7	65.7	0.67	20.7	2203.6
8/22/16	73.7	59.8	0.00	16.8	2220.4
8/23/16	83.4	56.3	0.00	19.9	2240.2
Weekly Total			<b>0.68"</b>	<b>161.3</b>	
Season Total			<b>9.03"</b>	<b>2240.2</b>	

GDDs as of August 23, 2015: 2129.9

Rainfall as of August 23, 2015: 18.49"



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## Seasonal Comparisons (at Geneva)

### Growing Degree Days

	2016 GDD <sup>1</sup>	Long-term Avg GDD <sup>2</sup>	Cumulative days ahead (+)/behind (-) <sup>3</sup>
April	36.1	65.2	-9
May	270.1	252.3	0
June	489.1	480.6	0
July	695.9	639.8	+3
August	561.1	588.2	+10
September		351.0	
October		105.2	
TOTAL	1904.3	2481.8	

1 Accumulated GDD's for the Month

2 The long-term average (1973-2015) 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

	2016 Rain <sup>4</sup>	Long-term Avg Rain <sup>5</sup>	Monthly deviation from avg <sup>6</sup>
April	1.17"	2.89"	-1.72"
May	1.66"	3.11"	-1.45"
June	0.65"	3.68"	-3.03"
July	1.01"	3.42"	-2.41"
August	1.90"	3.15"	
September		3.64	
October		3.22	
TOTAL	6.39"	23.12"	

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!

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### FINGER LAKES VINEYARD UPDATE

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