



## In The Vineyard

*Hans Walter-Peterson*

For a third year in a row, September has taken a less-than-ideal season and turned it into something significantly better. If you look at the growing degree day summary in this week's Update, you'll see that we have accumulated the same number of growing degree days as of today as we would average on October 26. In other words, we're in another year where we will hit our average number of GDDs before the end of September. While nobody would claim that our harvest is a month ahead of schedule, we continue to see fruit chemistry numbers in our weekly 'Veraison to Harvest' that are a week or more ahead of where they were last year.

Combine the warm temperatures with sunny and relatively dry skies, and it makes for almost ideal conditions for the vines to continue ripening the fruit and for growers and crews to work under.

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	GDDs
GDD on September 22, 2015	2469.8
LT Avg GDD on September 22	2313.1
LT Avg GDD April 1 – October 31	2477.6
10-Year Avg GDD April 1 – October 31	2629.2

## IPM

*Hans Walter-Peterson*

### *SOUR ROT*

While the warm and sunny conditions have helped speed ripening, we are still seeing some pockets of pretty significant sour rot development here and there, perhaps more than most growers would expect given the conditions that we have had this month. Reading Wayne Wilcox's recent "Sour Rot Recap" article in the most recent Vineyard Notes newsletter, however, might give an idea or two about why the rot is developing despite conditions that would seem to work against it, as well as some early encouraging results on a possible control strategy.

Wayne cites work done in Ontario by our friend, Wendy McFadden-Smith, which found that the disease flourishes at around 68 - 77°F. Development of the disease tails off below those temperatures. So our warmer than normal temperatures have probably been encouraging more activity by the microorganisms responsible for the disease. In addition, the establishment of higher populations of the organisms that cause sour rot earlier

## IPM (continued from page 1)

in the season will mean the problem is more difficult to control once conditions of the fruit allow the rot to develop (15 Brix, injury sites on fruit allowing microbial infection of the flesh). The wet weather we had earlier this year was probably as good a way as any to get some of these populations established. As Wayne says, “duh”.

Wayne and his graduate student, Megan Hall, have also been looking into the role of fruit flies (not just Spotted Wing Drosophila) in the development of sour rot in the field. Results from a trial in 2013 showed that the use of an insecticide (the trial used Delegate) in addition to an anti-microbial spray provided better control of sour rot than the use of an anti-microbial material alone. Both potassium metabisulfite (KMS) and copper were used in this trial. Note that KMS is NOT labeled for use in vineyards for any reason. Multiple copper formulations are labeled for grapes in NY (consult the label for PHI requirements and the buyer of the fruit before applying these), and Oxidate is also available for use in vineyards.

While these are encouraging results, more work needs to be done before making any strong conclusions about this spray program for sour rot. However, to quote from Wayne’s article:

*“Knowing what we do at this point, if it was my vineyard and I had a few thousand dollars per acre of crop threatening to go south in a hurry, I’d put something on to help control the fruit flies and responsible microbes. If I wanted to go cheap, I might concentrate on the fruit flies. If it was consistently warm and wet, particularly if I’d had a problem in that block before, I might start antimicrobials (Oxidate is probably the best legal bet) at 15° Brix before seeing symptoms and back off if the weather turned more favorable and/or disease development stayed in check.”*

There is much more information about Wayne and Megan’s research on sour rot in the [September issue of the Vineyard Notes newsletter](#).

### MULTI-COLORED ASIAN LADY BEETLE

After [my article last week](#) about the potential for high populations of MALB, a couple of growers contacted me about seeing more MALB in some blocks than normal. I would appreciate hearing from any other growers who are seeing high numbers of MALB in their vineyards, so we can at least start to get some sense of their presence in vineyards when high aphid populations cause an increase in beetles in soybean fields.

## Keep the Classifieds “Classy”

*Hans Walter-Peterson*

There has been a lot of activity on the NY Grape & Wine Classifieds site over the past several weeks, and we’re glad that the site gets used so much. In order to keep the site up to date, we would appreciate it if those who have posted ads on the site this summer would please make sure to delete or modify any ads that are no longer relevant. Ads on the current site remain visible for over 90 days (not by our choice, unfortunately). As a result, I am sure there are ads that are no longer needed and could be deleted, but we have no way of knowing which ones to remove.

When you post an ad, you receive an email with a link and information about how to modify or delete an ad. Please use those instructions if you can find them. If you would like our help in removing old ads, please email [gwclassifieds@cornell.edu](mailto:gwclassifieds@cornell.edu).

The screenshot shows the homepage of the NY Grape and Wine Classifieds website. At the top left is the Cornell University Cooperative Extension logo. The page title is "NY Grape and Wine Classifieds" and the date is "Wednesday, 23 September, 2015". The main content area is divided into several sections:

- HOME** and **POST AD** buttons.
- SEARCH** section with a search box and a dropdown menu set to "- All -".
- Grapes (39)**: For Sale (NY Only) (21), Looking To Purchase (18).
- Bulk Juice/Wine (31)**: For Sale (24), Looking To Purchase (7).
- Equipment (18)**: For Sale (12), Looking To Purchase (6).
- Services (2)**: Looking for Services (0), Providing Services (2).
- Vines (0)**: For Sale (NY Only) (0), Looking To Purchase (0).
- Help Wanted (0)**: Paid Positions (NY Only) (0), Internships (NY Only) (0).
- NEW YORK (83)**: Finger Lakes (67), Long Island (2), Lake Erie (7), Niagara Region (0), Hudson Valley (0), Northern NY (0), Other NY (7).
- US/CANADA (7)**: Other States (7).

At the bottom, there is a contact link: "Questions? Please contact: [gwclassifieds@cornell.edu](mailto:gwclassifieds@cornell.edu)". Copyright information and terms of use are also present.

# Finger Lakes Vineyard Update

## 2015 GDD & Precipitation

<u>FLX Teaching &amp; Demonstration Vineyard</u> – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
9/16/15	83.7	59.7	0.00	21.7	2616.8
9/17/15	85.2	60.7	0.00	23.0	2639.8
9/18/15	85.2	60.4	0.00	22.8	2662.6
9/19/15	75.9	61.3	0.25	18.6	2681.2
9/20/15	65.4	50.1	0.00	7.8	2688.9
9/21/15	69.1	46.4	0.00	7.8	2696.7
9/22/15	74.3	54.9	0.00	14.6	2711.3
Weekly Total			<b>0.25"</b>	<b>116.2</b>	
Season Total			<b>20.42"</b>	<b>2711.3</b>	

GDDs as of September 22, 2014: 2445.8

Rainfall as of September 22, 2014: 22.42"

### Seasonal Comparisons (at Geneva)

### Growing Degree Days



	2015 GDD <sup>1</sup>	Long-term Avg GDD <sup>2</sup>	Cumulative days ahead (+)/behind (-) <sup>3</sup>
April	40.8	65.2	-7
May	408.4	248.6	+8
June	444.9	481.5	+5
July	606.8	640.6	+3
August	572.0	588.6	+3
September	397.0	347.6	+34
October		105.5	
TOTAL		2477.6	

<sup>1</sup> Accumulated GDDs for the month.

<sup>2</sup> The long-term average (1973-2014) GDD accumulation for that month.

<sup>3</sup> 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.

## 2015 GDD & Precipitation (continued from page 4)

### Precipitation

	2015 Rain <sup>4</sup>	Long-term Avg Rain <sup>5</sup>	Monthly deviation from avg <sup>6</sup>
April	2.54"	2.90	-0.31"
May	2.97"	3.11	-0.14"
June	7.28"	3.60	+3.68"
July	3.27"	3.42	-0.15"
August	2.25"	3.17	-0.92"
September	1.84"	3.63	
October		3.25	
TOTAL		23.08"	

<sup>4</sup> Monthly rainfall totals up to current date

<sup>5</sup> Long-term average rainfall for the month (total)

<sup>6</sup> Monthly deviation from average (calculated at the end of the month)

## Additional Information

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Got some grapes to sell? Looking to buy some equipment or bulk wine? List your ad on the [NY Grape & Wine Classifieds website](#) today!

Become a fan of the [Finger Lakes Grape Program on Facebook](#), or follow us on [Twitter \(@cceflgp\)](#). Also check out our website, “The Grape Lakes – Viticulture in the Finger Lakes” at <http://flg.cce.cornell.edu>.

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