



Finger Lakes Vineyard Update

In the Vineyard

Hans Walter-Peterson

How low did it go?

Frost and freeze warnings were issued for much of the Finger Lakes on Monday night/Tuesday morning, with temperatures forecast to get close to freezing. Here are the low temperatures recorded at some of the weather stations around the region yesterday morning:

| Station | Low Temperature (°F) |
|--------------------------|----------------------|
| Branchport | 30.8 |
| Barrington | 32.2 |
| Dresden (FLGP/FLCC) | 33.7 |
| Lodi (Lamoreaux Landing) | 32.4 |
| Romulus (Thirsty Owl) | 34.7 |

We know that there are colder spots in vineyards than these readings, and we heard from a couple of growers at the Tailgate meeting yesterday about hi-low thermometers that showed temperatures in the 20s.

We spent yesterday checking vineyards on the east side of Seneca Lake before the Tailgate meeting, and did not find significant levels of damage to primary shoots up on the wire. Most of the damage that we saw was to suckers and renewal shoots near the ground (see photo). While this generally isn't much of a problem in established vineyards, we saw in a one year old vineyard where young shoots near the ground were just about wiped out. Hopefully, there are some latent buds that will eventually push out and allow those vines to continue to establish. We would find an occasional shoot on a cane that had suffered injury, but again, nothing that most growers would be concerned about.

We are still in the process of assessing the extent of damage to vineyards, but at this point, it looks like most places made it through with no major impact to their vineyards. We would appreciate hearing from growers about how much damage you are seeing in your vineyards as well.

If there is the potential for any kind of yield loss due to the frost, be sure to also get in touch with your crop insurance agent right away, so they are aware of what happened and can start to document any damage that may result in a claim.



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Vineyard Tailgate Meeting

May 28, 2013

Introductory Spanish Workshop

Session 2 -May 20 & 22

ASEV- Eastern Section Annual Conference & Symposium

July 15-18, 2013

Tailgate Meeting Summary—May 14, 2013

Mike Colizzi

Despite the extreme low temperatures on Tuesday morning the weather for last night's tailgate meeting at Sawmill Creek Vineyards was gorgeous. The general consensus at the meeting was that any frost damage was kept to a minimum. Growers reported temperatures on their farms ranging anywhere from 34-32 with one extreme in the upper 20's. The coldest temperature recorded in area vineyards with weather stations was 30.8 in Branchport. Most of the damage we saw was on shoots close to the ground. This could mean that less suckering will be needed in those vineyards. Let's hope this was our last scare for the spring.

At the meeting we talked about some of the soybean oil work we have been doing this year. Applying soybean oil during the dormant period has shown to delay budbreak for as long as two weeks. This year we have done some trials on Foch, Concord and Chardonnay. As of right now we are seeing some big differences between treated and untreated vines. We will continue to monitor this trial through the growing season to track any noticeable differences in bloom or veraison timings. We will also assess for any ripening differences that may occur. Look for a write up on this project later in the season. Monday during the day I applied KDL in a couple of vineyard blocks to test its frost protection abilities. These vineyards however did not sustain any frost damage for comparison. We are not upset about this outcome in the least.



Figure 1: Vines at the soybean oil project this year. The vine on the left was treated while the vine on the right was not.

Steely beetles have not been nearly as big of a problem as they were last year. This could be a result of the more normal winter that we had this year. I do know of one grower that saw some activity earlier this year and applied a spray. A walk through that vineyard today showed no signs of the beetle anywhere.

At last night's meeting we also talked briefly about shoot and cluster thinning. Growers shared their thoughts on this process and talked about what methods if any they use. Most attendees said that there is a big need for increased communication between growers and winemakers. Decisions on canopy management strategies should be made early in the season and now is the time.

We would like to thank Eric and Tina Hazlitt as well as the entire crew at Sawmill Creek Vineyards. The next tailgate meeting will be June 28th at Jim Hicks' Farm in Naples. One of the topics we will be covering is managing nutrients as we approach bloom. We will demonstrate how to collect petiole samples.

IPM

Hans Walter-Peterson



Steely Beetle/Grape Flea Beetle

Despite the heavy populations last year, we continue to see very little evidence of damage from [steely beetles](#) this year. In fact, we just found our first beetle this year during our vineyard stops yesterday. With (apparently) much lower populations this season, and the fact that buds are not stuck at the budswell stage due to cold weather, we should be just about clear of the window where we need to be scouting for this pest – knock on wood.

Disease Management

A number of vineyards have now reached the 3-5" growth stage, which is the recommended point to start making a first application for phomopsis control, and we saw a number of sprayers out yesterday doing just that. At this point, the first one or two clusters are out in the open where a well-placed application of captan or an EBDC like Dithane, Manzate, Ziram or Penncozeb can protect the rachis and base of the growing shoot from early infections. The EBDC materials can be hard on predatory mites, so consider cutting back on their use during the season if a block has a history of spider mite problems. Controlling phomopsis early in the season can make a significant difference in harvestable yield at the end of the year by keeping fruit from shelling off of the vines near harvest. Fortunately, we have had pretty dry conditions this spring, which has helped to control the number of infection periods so far, but protection at this stage of the season can be critical, so it doesn't really make sense to skip this spray and hope that the gamble works out for you.



This is also the time that an early spray for powdery mildew can be justified in sensitive *vinifera* and hybrid varieties, or where there was higher than normal pressure in the previous season. A tank mix of an EBDC and sulfur is fairly common where sulfur sensitivity is not an issue (e.g., Concord, Rougeon, Foch are sensitive varieties). Other options for powdery mildew control at this point in the season include any of the potassium salts such as Nutrol, Armicarb or Kali-green, or Stylet Oil. Remember that there are certain materials that are not compatible with Stylet Oil, including sulfur and captan. Don't apply Stylet Oil within 14 days of a captan or sulfur application, or vice versa. Be sure to check the label for any other compatibility issues before using it.

According to the disease model on NEWA (see below), conditions are good for a primary infection period for powdery mildew today, but not for phomopsis.

Finger Lakes Vineyard Update

Finger Lakes Grape Program

May 15, 2013

[Weather Data](#) [Pest Forecasts](#) [Station Pages](#) [Crop Management](#) [Crop Pages](#) [About Weather Stations](#)

Dresden (FLGP/FLCC)

Grape Disease Infection Events for Dresden (FLGP/FLCC)

| | Past | Past | Current | Grape Disease 5-Day Forecast | | | Forecast Details | |
|----------------|--------|--------|---------|------------------------------|--------|--------|------------------|--------|
| | May 13 | May 14 | May 15 | May 16 | May 17 | May 18 | May 19 | May 20 |
| Phomopsis | No | No | No | - | - | - | - | - |
| Powdery Mildew | No | No | Yes | No | No | - | - | - |
| Black Rot | No | No | No | - | - | - | - | - |

Phomopsis - calculates when weather conditions may allow spores to infect susceptible tissue.
Powdery Mildew - runs from bud break until early bloom; calculates when weather conditions may allow overwintered, primary spores (ascospores) to infect susceptible tissue.
Black Rot - calculates when weather conditions may allow spores to infect susceptible tissue.

Phenological stage: 3-5 inch shoot

Choose the phenology stage for the grape variety of interest to display management messages. Concord grape phenology is estimated by the model from historical records for this variety.

| Disease | Disease Management |
|----------------|--|
| Phomopsis | The early spray at around 3 inch shoot growth, when clusters first become visible, is most important for controlling rachis infections, shoot infections that serve as future sources of inoculum, and infections that move from berry stems into the fruit. A minimal spray program should include at least one application during this period to protect against infection events , especially in blocks with a history of Phomopsis and on highly susceptible varieties . |
| Powdery Mildew | A lot of powdery mildew the previous year = More primary inoculum to cause infections this spring. The model logs potential primary infection events. Consider early sprays near the 3-5 inch shoot growth stage for highly susceptible V. vinifera and hybrid varieties in vineyards where powdery mildew was prevalent 30 days before leaf fall last year. |
| Black Rot | Bury mummies by cultivating or mulching within the row. A reminder - under NY conditions, berries are highly susceptible to black rot from cap fall until 3-4 weeks (Concord) or 4-5 weeks (Riesling, Chardonnay) later, gradually losing susceptibility and finally becoming highly resistant. Back to Dresden (FLGP/FLCC) Weather Station Page |

Upcoming Events

Vineyard Tailgate Meetings

Tuesday, May 28, 2013 5:00 – 6:30 PM

Hicks Farm

5301 Seneca Point Road, Canandaigua, NY 14424

These are a series of informal meetings held with growers in different locations around the Finger Lakes during the growing season. Meetings are held every other Tuesday afternoon, starting at 5:00 PM and usually ending around 6:30 PM. During the day of each meeting, Mike and I visit a few growers and vineyards near the meeting location to get a sense of what has been happening in the area, and give us some ideas about some potential topics for the meeting later that day. There will also be ample time to discuss any questions or issues that others want to bring up as well. There is no need to register ahead of time – just show up when you can, and leave when you have to.

There will be 0.75 pesticide recertification credits available for each meeting. As with other events where credits are available, you need to be present at the beginning of the meeting to sign the meeting roster – make sure to have your card with you - and stay until the end to receive your certificate.

Finger Lakes Vineyard Update

Finger Lakes Grape Program

May 15, 2013

Here is the schedule for the rest of our Tailgate meetings this season:

| Date | Address |
|-----------|---|
| June 11 | Hosmer Vineyards, 6999 Route 89, Ovid NY 14521 |
| June 25 | Dr. Konstantin Frank's Wine Cellars, 9749 Middle Road, Hammondsport NY 14840 |
| July 9 | Hermann J. Wiemer Winery, 3962 State Route 14, Dundee NY 14837 |
| July 23 | Vine Country Farms (Roy & Gordon Taft), 8531 County Rd 79, Prattsburgh NY 14873 |
| August 6 | Atwater Vineyards, 5055 Route 414, Hector NY 14841 |
| August 20 | Goose Watch Winery, 5480 Route 89, Romulus NY 14541 |

Introductory Spanish Workshop: Focusing on Agriculture & Viticulture Language

Session 2:

May 20 & 22, 2013

4:30 – 6:00 PM or 6:30 – 8:00 PM

Damiani Wine Cellars

4704 NY Route 414, Burdett NY

This workshop is an introduction to basic Spanish, focusing on important terms and phrases useful in the vineyard. You will gain tools to communicate more effectively with your non English-speaking co-workers, employees, and community members.

Registration cost is \$25 and seating is limited. To register, contact Rachel Orlyk at rachel.orlyk@gmail.com or 347-409-2559.

ASEV-Eastern Section Annual Conference and Symposium

July 15-18, 2013

Winston-Salem Marriott and Embassy Suites

Winston-Salem, North Carolina

Join us for the 38th Annual American Society of Enology and Viticulture Eastern Section Conference and Symposium July 15-18, 2013 in Winston-Salem, North Carolina.

On Monday, July 15th, there is a **preconference tour** of North Carolina wineries and vineyards. The **conference** will begin with technical/research presentations on Tuesday and Wednesday, July 16th -17th and include Tuesday's Oenolympics Grazing Dinner with Wines of the East and Wednesday's Sparkling Wine Reception and Grand Award Banquet.

The conference will be followed by the **Symposium on Advances in Red Wine Production: Berry to Bottle** on Thursday, July 18th. The Symposium, designed for vineyard managers and winemakers, will feature experts in red wine production.

Additional information about lodging and conference events coming soon.

We look forward to seeing you in North Carolina!

2013 GDD Accumulation

We are tracking growing degree day (GDD) and precipitation accumulation again this year, but we will be reporting data from [our weather station located at the teaching & demonstration vineyard in Dresden](#), at Anthony Road Wine Company, instead of using the station at Geneva. We will continue to monitor GDD accumulation at Geneva in order to see how our new location compares with it, and to provide context of where we are with regard to heat accumulation compared to our long-term average.

| FL Teaching & Demonstration Vineyard – Dresden, NY | | | | | |
|--|-------------|-------------|---------------|------------|------------|
| Date | Hi Temp (F) | Lo Temp (F) | Rain (inches) | Daily GDDs | Total GDDs |
| 5/8/13 | 69.6 | 57.7 | 0.32 | 13.7 | 178.6 |
| 5/9/13 | 69.6 | 51.2 | 0.02 | 10.4 | 189.0 |
| 5/10/13 | 71.7 | 54.7 | 0.27 | 13.2 | 202.2 |
| 5/11/13 | 62.6 | 52.4 | 0.27 | 7.5 | 209.7 |
| 5/12/13 | 52.9 | 38.2 | 0.02 | 0.0 | 209.7 |
| 5/13/13 | 49.7 | 36.4 | 0.00 | 0.0 | 209.7 |
| 5/14/13 | 58.7 | 33.7 | 0.00 | 0.0 | 209.7 |
| May 2013 Total | - | - | 0.90" | 140.4 | - |
| Season Total | - | - | 3.08" | 209.7 | - |

Additional Information

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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