



Finger Lakes Vineyard Update

In the Vineyard

Hans Walter-Peterson

The Finger Lakes is still in the early stages of harvest, with Constellation shifting to Elvira harvest over the past few days. I would imagine that some early hybrids like Millot, Foch and Baco will start being picked in the next several days as well. There will be more of a 'harvest update' write up in this week's *Veraison to Harvest* newsletter.

Sampling results from last week's Veraison to Harvest project were not surprising given the type of year we have been having so far. Sugar accumulation and acid degradation are lagging behind last year (I know, shocking) and are more in line with what we were seeing in 2011. Cooler temperatures this week will slow down both processes to some degree and make it a little more difficult to ripen some of the large crops that are hanging in some places, but the bigger concern for a lot of growers continues to be how much rain and heavy dew we have over the next several weeks.

We recorded about 4" of rain in August (average is about 3.2"), but almost 3" of that fell in a six-day period between August 8 and August 13. The last half of the month saw only about one inch of rain, and so far we've had about 0.5" of rain at our Teaching Vineyard in the first few days of September. Hopefully the weather will resemble the latter period more than the former the rest of the way this year.

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Upcoming Events: [more details for Upcoming Events on page 5](#)

- | | |
|---|--------------------|
| • Farm Brewery or Cidery Start-Up Workshop | September 7, 2013 |
| • Brewing Science & Technology Workshop | September 20, 2013 |
| • CleanSweepNY (for participants with unknown products & gas cylinders) | September 30, 2013 |
| • CleanSweepNY (for all other participants) | October 11, 2013 |

IPM

Hans Walter-Peterson

Downy mildew and Botrytis infections remain the hot topics of concern disease-wise in the vineyards right now. The relatively dry weather that we have had over the past couple of weeks has certainly helped to keep disease development from taking off again so far, but there's still a ways to go until we are done with the season this year.

As mentioned a couple of weeks ago, there are materials that can control DM that can still be used at this point in the season based on their PHI. For good reason, a lot of focus has been on phosphorous acid products like ProPhyt, Phostrol and Rampart because of their anti-sporulant activities, meaning they significantly reduce production of new spores on existing infections (they aren't considered eradicants, meaning they don't really kill established infections). But other materials like Revus and Presidio also have at least some post-infection activity in addition to their protective abilities, and have a PHI of less than 30 days.

Grape Berry Moth

In warmer than normal years, we have seen evidence of at least a partial fourth generation of GBM larva feeding on ripening grapes before they enter their overwintering form. Based on the GBM model results and the closer-to-average year we have been having, there probably isn't any further need for GBM control in most vineyards for the remainder of this season.

NEWA Grape Forecast Models

Select a disease or insect:
Grape Berry Moth

Weather Station:
Dresden (FLGP/FLCC)

Date of Interest:
9/4/2013

Calculate

Map Results More info

Grape Berry Moth Results for Dresden (FLGP/FLCC)

Wild Grape Bloom: 5/29/2013

Wild Grape Bloom date above is estimated based on degree day accumulations or user input. Enter the actual date for blocks of interest and the model will calculate the results more accurately.

Accumulated degree days (base 47.14°F) wild grape bloom through 9/4/2013: 2211 (1 days missing)

Daily Degree Days for Dresden (FLGP/FLCC)

| Base Temp | Past | Past | Current | 5-Day Forecast | | | Forecast Details | |
|--------------|-------|-------|---------|----------------|-------|-------|------------------|-------|
| | Sep 2 | Sep 3 | Sep 4 | Sep 5 | Sep 6 | Sep 7 | Sep 8 | Sep 9 |
| 47.14F - GBM | 26 | 17 | 20 | 12 | 11 | 17 | 17 | 13 |
| Accumulation | 2184 | 2201 | 2221 | 2233 | 2244 | 2261 | 2278 | 2291 |

NA - not available

Download Time: 9/4/2013 13:00

| Pest Status | Pest Management |
|---|---|
| Reduced egg-laying after this time, most pupae enter diapause (ovewintering stage) after 1700 DD. | With the exception of extremely warm years no further action is required. |

Disclaimer: These are theoretical predictions and forecasts. The theoretical models predicting pest development or disease risk use the weather data collected (or forecasted) from the weather station location. These results should not be substituted for actual observations of plant growth stage, pest presence, and disease occurrence determined through scouting or insect pheromone traps.

Grape Cane Borer

Mike Colizzi

This week while visiting several vineyards on Keuka Lake I found little piles of sawdust throughout the vineyard floor. This can only mean one thing; grape cane borer adults are starting to feed on dead wood in vineyards and will soon move to live wood. Cane borers complete one generation per year. Adults emerge in mid-August and begin feeding on dead wood in and around vineyards. This is what we are seeing now (Figure 1). Shortly we expect the adults to make the transition over to live canes to prepare for winter. Adult's will over winter in those canes and emerge in spring to mate and lay eggs.



Figure 1

Insecticides to control cane borer would be best applied now as the canes begin to harden off and adults make the transition from dead to live wood. Some management strategies for this winter would be to remove and destroy any affected canes and dead wood from the canopy during pruning. Because timing is crucial for control of this insect scouting will help determine if they are still feeding on dead wood have made the switch to live wood.



Figure 2; Adult cane borer found inside pruning debris from last winter.

CleanSweepNY Coming This Fall

Hans Walter-Peterson

While every farmer obviously tries not to buy more pesticides than they need, many farms have some leftover materials like these that are taking up space in storage but cannot be used in the fields any longer.

The CleanSweepNY program will be collecting pesticides and other materials (a full listing is available [in the program brochure](#)) in Chemung, Genesee, Livingston, Monroe, Ontario, Orleans, Schuyler, Seneca, Steuben, Wayne and Yates Counties this fall. The CleanSweepNY program offers farmers a chance to get rid of these materials in a safe and environmentally responsible manner. Collections move around to different regions of the state each year, and the program is targeting the Finger Lakes and surrounding region this year. The last time the program came to this area was in 2005-06.

Collections will take place the week of October 21 in the following locations:

- October 21 Watkins Glen, NY
- October 22 Hornell, NY
- October 23 Lakeville, NY
- October 24 East Rochester
- October 25 East Rochester

Specific collection locations will be available upon registration or by contacting CleanSweepNY staff by phone at 877-793-3769, or by e-mail at info@cleansweepny.org.

Accepted Free of Charge

CleanSweepNY funding was originally earmarked for the benefit of New York agriculture and pesticides from farms, farms no longer in production, NYS certified pesticide applicators, some small businesses, NYS schools, commercial or home & garden pesticide holders, golf courses, schools, marinas, cemeteries and others can bring unwanted pesticides to CleanSweepNY events for disposal at no charge and with no quantity limit. School chemicals will also be collected for disposal at a nominal fee of \$1.80 per pound.

CleanSweepNY services are not available to homeowners. Information about household hazardous waste collections can be accessed at <http://www.dec.state.ny.gov/chemical/8780.html>.

Pre-Registration and Information

Pre-registration is required to participate in CleanSweepNY. Fall 2013 registration deadlines are September 30th for holders of unlabeled or unknown products and compressed gas cylinders, and October 11th for all other participants.

Requesting a registration packet is easy and can be done by calling 1-877-793-3769 or by e-mail to info@cleansweepny.org. NOTE: Information received by CleanSweepNY is kept confidential.

There is NO enforcement potential for any product turned in as part of this collection project.

More information is available at the CleanSweepNY website, <http://www.cleansweepny.org/index.cfm>. The NYS Department of Environmental Conservation administers the CleanSweepNY project through its Albany, NY Central Office Pesticides Program. Funding for this environmental benefit project is administered by the Natural Heritage Trust.

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.

Farm Brewery Or Cidery Start-up Workshop

September 7, 2013 8:30 a.m. – 4:30 p.m. (Social hour from 4:30 to 6:00 p.m.)

Waterloo Holiday Inn

2468 NYS Rte. 414, Waterloo, NY 13165

Registration at https://reg.cce.cornell.edu/breweryandcideryworkshop_245. For More Information contact Derek Simmonds at 315-539-9251 or dcs285@cornell.edu

Brewing Science & Technology Workshop

September 20, 2013 8:00 a.m. – 4:45 p.m.

Jordan Hall Auditorium, New York State Agricultural Experiment Station

630 W. North St., Geneva, NY

This short course includes information about barley and malt, hops, brewing water, adjuncts, brewhouse operations, brewing yeast and brewery fermentations, maturation, finishing and beer styles. It is designed to be appropriate for people who work in commercial breweries, are home brewers or simply interested in the brewing process. Some science background is helpful.

One full day, 8:00 a.m. – 4:45 p.m., with breakfast pastries and beverages, lunch and refreshments included. \$150 (includes meals and handouts). Registration and payment by credit card can be accomplished [on-line](#). For assistance, contact Gemma Osborne by phone (315-787-2248) or e-mail (gro2@cornell.edu). You can find the [course agenda and more information here](#).

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 |
| 8/28/13 | 82.0 | 69.7 | 0.24 | 25.9 | 2228.0 |
| 8/29/13 | 82.1 | 65.5 | 0.00 | 23.8 | 2251.8 |
| 8/30/13 | 85.9 | 64.4 | 0.01 | 25.2 | 2276.9 |
| 8/31/13 | 83.1 | 70.4 | 0.00 | 26.8 | 2303.7 |
| 9/1/13 | 83.3 | 68.2 | 0.12 | 25.8 | 2329.4 |
| 9/2/13 | 83.1 | 67.0 | 0.38 | 25.1 | 2354.5 |
| 9/3/13 | 67.3 | 59.8 | 0.00 | 13.6 | 2368.0 |
| Aug 2013 Total | | | 4.16" | 610.8 | |
| Season Total | | | 17.99" | 2368.0 | |

Apr 1 GDD on September 3, 2013 at Geneva: 2147.2 (currently 5 days ahead of average)

Average GDD on September 3 (Geneva): 2072.9

Apr 1 GDDs on September 3, 2012 (Geneva): 2421.0

2013 Rain on September 3 at Geneva: 22.16"

Average Rain on September 3 (Geneva): 16.28"

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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