



Finger Lakes Vineyard Update

Final 2014-15 Winter Hardiness Data Posted

Hans Walter-Peterson

The final bud hardiness samples for this winter were collected on March 30, and the results from those samples are posted on the project website, <http://grapesandwine.cals.cornell.edu/extension/bud-hardiness-data>. The vines have started to adapt to the warmer temperatures and are in the process of deacclimating, and even moreso now since these samples were taken a couple of weeks ago. While it was another colder than normal winter that has caused some bud injury, we are very fortunate to have not gotten the extremely cold temperatures that hit the western part of New York, northwestern PA, Ohio, parts of Ontario and Michigan, where temperatures got much colder and likely have caused much more significant damage than we are dealing with here this year.

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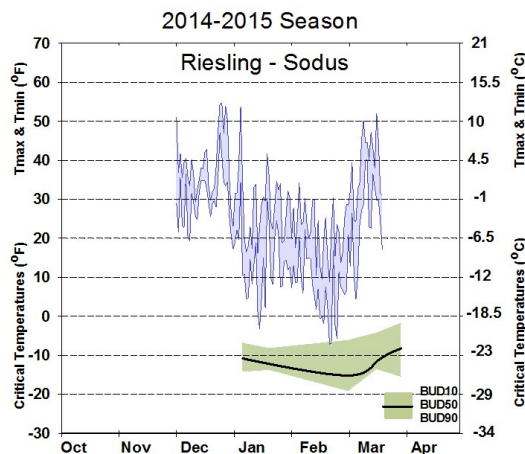
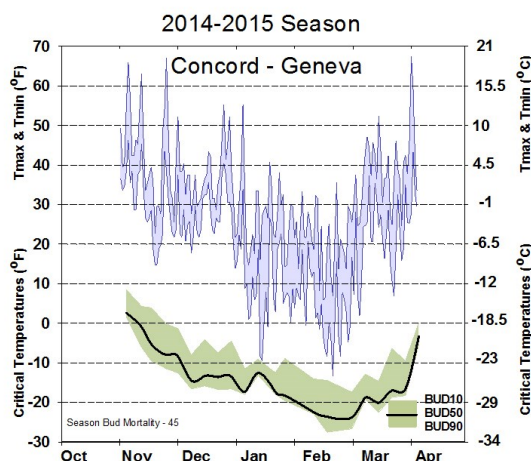
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FLGP Tailgate Meeting

May 5, 2015

FLGP Spring Grape IPM Meeting

May 12, 2015

Final 2014-15 Winter Hardiness Data Posted (continued from page 1)

The page also includes our bud injury estimates from many of the sample locations. These estimates were made in early March (we included them in [last month's Vineyard Update](#)), after the worst of the cold weather had moved out of the area.

Variety	% primary bud injury	# of sites
Cabernet Franc	23%	7
Catawba	8%	1
Cayuga White	23%	4
Concord	4%	5
Noiret	17%	2
Riesling	31%	8

Since then, we have heard from some growers about injury levels in a few other varieties with more severe damage (>50%), including Chardonnay, Pinot Gris, Merlot and Gewürztraminer. The strategy in these situations, of course, is to leave more buds on each vine to compensate for the injury. If it turns out that the injury estimate was too high, extra shoots and clusters can be removed later on.

Bud collection and determination of LTEs at NYSAES is supported by a grant to the Statewide Extension Program by the NY Wine and Grape Foundation and the Directors Endowment at the NYS Agricultural Experiment station. We thank them for their ongoing support of this project.

2015 eNEWA for Grapes Beta Testing

Tim Weigle, NYS IPM Program

Would you like to see the current weather and grape pest information found on NEWA (Network for Environment and Weather Applications <http://newa.cornell.edu>) without having to click through the website? Then eNEWA is for you. eNEWA is a daily email that contains current weather and pest model information from a station, or stations, near you. The email will contain:

- High, low and average temperature, rainfall, wind speed and relative humidity
- The 5-day forecast for these weather parameters,
- GDD totals (Base 50F),
- Five-day GDD (Base 50F) forecast, and
- Model results for powdery mildew, black rot, Phomopsis and grape berry moth. The weather information is provided for not only the current day but for the past two days as well.

We will be conducting a second year of beta testing of eNEWA for Grapes in 2015. You can choose from any number of stations located near you for delivery of this information via email each day at a time specified by you. Please keep in mind that you will receive a separate email (approximately 3 pages in length) for each station you choose. Once during the growing season and again after harvest, you will be asked to complete a short survey to assist us in improving the eNEWA for grapes email system.

If you would like to be a part of this project just fill out the form included in this issue of the Vineyard Update and return to thw4@cornell.edu or print it off and put it in the mail to: Tim Weigle, CLEREL, 6592 West Main Road, Portland, NY 14769.

Some Important Reminders About Worker Protection Standards



***Note:** This article is adapted from one written by Alice Wise and Sandra Menasha in the April 9, 2015 Long Island Fruit & Vegetable Update. It is one part in a series of two articles on WPS requirements – we will be including both of these pieces in our next issue of the Finger Lakes Vineyard Notes newsletter, which we will be out in a couple of weeks. We thank them for letting us share their articles with you.*

As the 2015 growing season approaches, it's a good time to be reviewing making sure you are in compliance with the Worker Protection Standards. We offer these observations described at a mock inspection held in February of 2014.

Worker training: If pesticides are no longer being applied on a farm and the 30 day WPS notification period has expired, then workers no longer need to be trained. If pesticides are still being used on the farm somewhere (even if the field or block in question is no longer being sprayed), the workers still must be trained.

Training of new workers: If the REI has expired but the 30 day notification period is still in effect, or if pesticides are being used somewhere on the farm, untrained workers must be given basic training prior to entering the field. This applies to both paid and volunteer workers, for example harvest workers. The basic training for new workers can be found in the ***WPS How to Comply Manual***, Pesticide Safety Training section, p. 21. Before their 6th day of employment, workers must be given the full WPS agriculture worker training. Document the training sessions.

Who can conduct the training? Workers must be trained by a certified pesticide applicator - any category is fine.

Translator: During WPS inspections, DEC may have a translator with them so that they can question workers. Make sure your workers are fully trained in the required WPS regulations. They should know about PPE and decontamination stations, where the central posting station and WPS 30-day records are located, and so on.

Restricted entry interval (REI) restrictions: Tasting room and farmstand personnel, farm visitors, ownership, everyone needs to understand that NO ONE can enter the field if the REI is still in effect. Agricultural workers can enter only if the label allows and only if they have the required PPE and training.

PPE for handlers (applicators): Check labels to make sure you/your applicator have the required PPE as per the pesticide label. Note that some labels (Manzate ProStick, for example) have a requirement for a pesticide resistant apron. Make sure there is an apron in the mixing & loading area. A Tyvek suit is a coverall - it is not a substitute for an apron.

Respirators: Do not store your respirator where pesticides are stored, do not nail it to the wall, make sure it is clean, and that the respirator cartridges have not expired (they should be dated). Cartridges should be stored in an airtight container to ensure a longer life. Cartridges exposed to the air will continue to filter. Refer to the manufacturer's label for change out requirements or cartridge lifespan.

Decontamination station: 3 gallons of water/handler and 1 gal/worker are required at the decontamination station. A bathroom with running water that is within the ¼ mile requirement will suffice for a decontamination station as long as it has all the necessary items. See the ***How to Comply Manual***, p.54-55, for the official list of decontamination supplies.

Some Important Reminders About Worker Protection Standards (continue from page 3)

Eyewash: The DEC prefers the commercially available saline eyewash. Make sure the bottle has not expired, as this is a violation. Alternatively, use a pint of clean water in a container labeled 'eyewash'. An eyewash station is also acceptable as long as it is within ¼ mile. For each handler (applicator), 1 pint is required. For each worker performing early entry activities, 1 pint/worker is required.

DEC recordkeeping forms for private applicators: The DEC has forms on their website that will satisfy the NYSDEC requirements, the 30-day WPS notification requirement as well as the USDA requirements. Note that wind speed is not required by the state or federal governments. The forms are located at http://www.dec.ny.gov/docs/materials_minerals_pdf/privatercdfrm.pdf.

The EPA's *WPS How to Comply Manual* can be found at <http://www.epa.gov/oecaagct/epa-735-b-05-002.pdf>. The EPA Worker Protection Standard website is at <http://www.epa.gov/oecaagct/twor.html>. If you are still unclear on any of the regulations, feel free to contact DEC staff in your particular region (most of the Finger Lakes is in [DEC Region 8](#)).

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.

FLGP Tailgate Meetings

Held every other Tuesday, beginning May 5

5:00 – 6:30 PM

Tuesday, May 5: Vine Country Farms

Intersection of County Rd 74 and Stone Road, Pulteney NY

([click here for a map](#))

Our annual series of tailgate meetings will be starting up again on Tuesday, May 5, with our first meeting taking place at Vine Country Farms (Roy and Gordon Taft) in Pulteney.

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. The DEC has approved 1.0 pesticide recertification credits for each Tailgate Meeting this year.

Dates and locations for the rest of this year's Tailgate Meetings can be found under the '[Events](#)' section of our website.

Spring Grape IPM Meeting

Tuesday, May 12 4:30 – 6:15 PM

Ravines Wine Cellars

400 Barracks Road

Geneva, NY ([click here for a map](#))

Time once again to recharge your IPM knowledge at the Spring Grape IPM Meeting. This year's meeting will be at Ravines Wine Cellars in Geneva NY on Tuesday, May 12, starting at 4:30 PM. Come hear the latest and greatest hits from some of your favorite pest management gurus – Wayne Wilcox, Greg Loeb, and Andrew Landers. Also on the agenda is Mike Stanyard, a field crop specialist with Cornell Cooperative Extension, who will talk about how aphid populations in field crops influence Multi-Colored Asian Ladybeetles populations. Tom Burr will give an update on crown gall biology and management, and there will be a short discussion about where things stand with regard to establishing a grape research order in New York.

As always, dinner will be provided after the program, so be sure to stick around for some social time and good food.

There is no registration fee for growers who are enrolled in the FLGP for 2015, and a \$15 fee for those who are not enrolled. Growers will be eligible to receive 1.5 pesticide recertification credits at this meeting.

You can register online for the meeting at our website by going to http://flgp.cce.cornell.edu/event_preregistration.php?event=181, or by calling our office at 315-536-5134. If you would like to receive credits, please provide us with your pesticide applicator number when you register.

Finger Lakes Vineyard Update

Finger Lakes Grape Program

April 16, 2015

2015 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
4/1/15	42.8	28.7	0.00	0.0	0.0
4/2/15	69.4	30.4	0.03	0.0	0.0
4/3/15	60.9	45.7	0.29	3.3	3.3
4/4/15	43.1	34.0	0.33	0.0	3.3
4/5/15	34.2	29.8	0.05	0.0	3.3
4/6/15	64.1	31.1	0.04	0.0	3.3
4/7/15	44.5	35.7	0.00	0.0	3.3
4/8/15	44.3	36.1	0.53	0.0	3.3
4/9/15	49.9	41.3	0.13	0.0	3.3
4/10/15	56.3	43.2	0.02	0.0	3.3
4/11/15	48.2	37.1	0.00	0.0	3.3
4/12/15	66.1	33.2	0.00	0.0	3.3
4/13/15	79.0	49.6	0.19	14.3	17.6
4/14/15	61.4	43.1	0.09	2.3	19.9
Weekly Total			1.70"	19.9	
Season Total			1.70"	19.9	

GDDs as of April 14, 2014: 42.3

Rainfall as of April 14, 2014: 1.45"

Seasonal Comparisons (at Geneva)

Growing Degree Days

	2015 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	12.3	65.2	-2
May		248.6	
June		481.5	
July		640.6	
August		588.6	
September		347.6	
October		105.5	
TOTAL	12.3	2477.6	



¹ Accumulated GDDs for the month.

² The long-term average (1973-2014) 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.

2015 GDD & Precipitation (continued from page 6)

Precipitation

	2014 Rain ⁴	Long-term Avg Rain ⁵	Monthly deviation from avg ⁶
April	1.65"	2.90	
May		3.11	
June		3.60	
July		3.42	
August		3.17	
September		3.63	
October		3.25	
TOTAL		23.08"	

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)

eNEWA Grape Project Subscription Sign-Up

Subscriber information

Name _____

Email address _____

City _____

Select Location(s) (circle as many as you like, or write in below)

Lake Erie Region

Appleton, North

Appleton, South

Dunkirk

Erie

Harborcreek

North East Escarpment

North East Lab

Portland

Portland Escarpment

Portland Route 5

Ransomville

Ripley

Sheridan

Silver Creek

Versailles

Finger Lakes Region

Aurora

Branchport

Dresden (FLGP/FLCC)

Dundee (Weimer)

Fayette 3 Brothers

Geneva

Lakemont

Lansing

Lodi (Lamoreaux)

Lodi (Shalestone)

Lodi (Standing Stone)

Penn Yan

Romulus (Thirsty Owl)

Sodus (Lake)

Varick (Swedish Hill)

Watkins Glen (Lakewood)

Other station(s): _____

Select eNEWA Delivery Times (write in times below) Delivery requests should be on the hour.

Mail to: Tim Weigle, CLEREL, 6592 West Main Road, Portland, NY or scan and email to thw4@cornell.edu

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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FINGER LAKES VINEYARD UPDATE

Is published by

Cornell Cooperative Extension

Finger Lakes Grape Program

Ontario, Schuyler, Seneca, Steuben, Wayne and Yates Counties

417 Liberty Street, Penn Yan, NY 14527

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