



# The Lake Erie Regional Grape Program



Crop Update for January 23, 2014



## Did you know?

- \*LERGP members receive free or discounted rates to the conferences and programs throughout the year?
- \*LERGP members receive free site visits of their farm?
- \*LERGP members can earn DEC renewal/recertification credits for a fraction of what other venues cost?
- \*LERGP members can stop in or call with questions anytime?

Enrollment is underway and will be open until the end of February. Please make sure to have your enrollment card to us before the beginning of March so that your Crop Updates and Newsletters will continue to come to your email uninterrupted. Our email lists will be updated at the end of February and only current enrollees will continue to receive these mailings. If you have any questions or concerns regarding enrollment, please feel free to contact me at the office. The contact information is listed below.

If you are enrolled before the Winter Grower Conference you will also receive the member price. This is a \$60.00 savings, almost the price of your membership.

You may access our enrollment form by going to our web-site at <http://lergp.cce.cornell.edu/>, clicking enrollment and clicking the pdf enrollment form line. You may print this form and mail it in or drop off. For your convenience, I am including a copy in this update as well. If you choose to use a credit card and enroll on-line, simply fill out the form on-line and submit. I will receive an e-mail letting me know you have enrolled.

Please **DO NOT** send any GRAPE enrollment forms or payment to the CCE Office in Jamestown.

If you have any questions about this process, please feel free to call or e-mail Katie at any time at 716-792-2800, extension 201, or [kjr45@cornell.edu](mailto:kjr45@cornell.edu).

Visit our LERGP Website at: <http://lergp.cce.cornell.edu/> for a detailed calendar. Please remember to RSVP for those events that require one!

Let us know if you have changed or are in the process of changing your email address so we can keep the Electronic Crop Update coming to your inbox! Please email Kate Robinson at: [kjr45@cornell.edu](mailto:kjr45@cornell.edu)

## Timing 2014 Input Costs

*Kevin Martin*

I have frequently said that January is typically the best month to stock up on fuel. As demands for crude oil continue to expand faster than anticipated, this is likely to be exemplified this year. While there is a risk that prices will fall after you buy, I would rate that risk as fairly minimal this year. Diesel fuel prices are essentially flat from a year prior. Stocks of fuel and crude oil do remain strong but recent data suggests that the seasonal decline in supply is steeper than past years.

Surprisingly, potash prices continued a mild decent into December. The low prices lead to the break-up of cartels. With no public market, large buyers have taken advantage of weaker producers. Chinese bulk purchase prices have fallen 25% in the last 12 months. Potash has quickly become the most expensive nutrient for grape producers. This market has found a bottom in the range of \$300 per short ton. This should keep retail prices below \$500 per ton. While prices could continue to soften, the percentages will be much smaller. Buying now will allow you to minimize the risk of volatility. Even if prices continue to fall, you should be able to take advantage of it later this year for a 2014 fall application.



Volatility in the urea market continues. January trading brought significantly higher prices, moving retail prices between 500-550. That represents significant increases since December. Margins for suppliers will actually tighten, as spot market prices increased significantly more. While many analysts are predicting a decrease in volatility, just as many are predicting business as usual. Fortunately for growers, urea purchases should represent a smaller percentage of overall expenses than other inputs.

As is always the case, there is gambling involved with purchase dates. If cash is readily available, early purchases of these commodities should help to control production cost risk. Given historical prices, it likely makes sense to make these purchases in the near future. Urea would be the only purchase I would consider delaying and then only if my soil tests indicated high levels of organic matter.

# 2014 New York and Pennsylvania Pest Management Guidelines for Grapes Now Available

IPM

The 2014 edition of the New York and Pennsylvania Pest Management Guidelines for Grapes is now available. This annual publication provides up-to-date pest management information for those producing grapes in New York State and Pennsylvania. It has been designed as a practical guide for grape producers, pesticide dealers, and others who advise those involved in grape production.

In addition to the annually revised pesticide and pest management information, highlighted changes in the 2014 Grape Guidelines include:

- Information on forthcoming pesticide label requirements for pollinator protection.
- Updated information on recycling agricultural plastics in New York State.
- Addition of a new insecticide table featuring resistance management codes, insecticide effectiveness, and toxicity to natural enemies.
- Updated postharvest downy mildew management strategies.

The 2014 New York and Pennsylvania Pest Management Guidelines for Grapes can be obtained through your local Cornell or Penn State Regional Grape Program offices, local Cooperative Extension offices or directly from the Cornell Store at Cornell University. To order from the Cornell Store, call (800) 624-4080 or order online at <http://store.cornell.edu/c-874-pmep-manuals-and-guidelines.aspx>. Cost for the Guide is \$27 plus shipping.



## IMPORTANT! Please Read.....

### **Online Version of NY and PA Pest Management Guidelines for Grapes Discontinued for 2014**

According to Mike Helms, Managing Editor of the Cornell Guidelines, the Pesticide Management Education Program is facing significant budgetary restraints due to a loss in funding. Due to these constraints, they have had to reduce staff and have closed their distribution office, transferring distribution operations to the Cornell Store. Because of funding reductions, they are now relying, more than ever, on sales of our pesticide applicator training materials and Cornell Guideline products.

One item not currently meeting PMEP's cost recovery needs is the online edition of the Cornell Guidelines. When PMEP took on production of the Guidelines some seven years ago, they continued the established practice of providing free online access to them. This was justified by using the idea that print edition sales would help to underwrite the costs of free online access. This assumption is no longer valid. Overall sales for the print Guidelines have decreased in the past few years and are not adequate to help support free online Guideline access.

With the lack of significant financial support to cover the infrastructure and staff costs of putting the Guidelines online for free, the 2014 Cornell Guidelines will NOT be available online. Over the next year, PMEP will undertake the task of evaluating ways we might effectively recapture the costs of providing the Guidelines online.

# Winter Injury Assessment

Luke Haggerty

The cold weather continues with the Portland lab reaching temps of -5.6°F on Wednesday, January 22<sup>nd</sup> and the forecast calling for negative temperatures again next week. In order to gather a good assessment of winter injuries, I have been making site visits and collecting canes from over the region to see how many live or viable buds we have going into spring. Cutting into over 2,500 buds and examining them under a microscope, I have a fair estimation of the bud mortality at this point in the season. I plan to continue this assessment throughout the winter and expect the percentage of bud mortality to change slightly with the increasing number of samples and locations I visit.

Cultivar	% Bud Mortality	# of Buds Inspected	# of Sampled Locations
Concord	11%	490	5
Niagara	26%	492	5
Vignoles	15%	214	2
Traminette	30%	149	2
Seyval	43%	309	3
Pinot gris	65%	303	2
Riesling	70%	388	2
Cabernet Franc	72%	76	1
Cabernet Sauvignon	75%	231	1
Data was collected from buds on nodes 1-10 only (bud one being closest to the cordon). Samples collected from 1/13/14 through 1/22/14.			

The information below is from sites I visited the last week and from samples that were brought in to the Portland lab. I looked at buds from only mature wood that would be expected to yield healthy or viable buds and examined buds 1 through 10 (bud one being the first bud from the cordon). Again, I expect these averages to change slightly by adding more canes/buds and location information.

## Concord and Niagara:

Concord buds were pretty consistent with percent bud mortality between 9% and 15% depending on the location and health of the vineyard. The variation in Niagara was much higher with % Bud Mortality between 15% and 45% again depending on location and health of the vineyard. I assessed the best wood I could find, anything that looked questionable was usually not fruitful. I would like to pair future samples with last year's crop load with percent bud mortality to see if there is any correlation. I'm looking for volunteers to grant me access to your vineyards or offer to bring in canes to be examined.

## Wine grapes:

The *V. vinifera* and some of the hybrids have suffered excessive damage with 60% to 80% of the buds killed. Canes that are pencil size and smaller are where I have been finding most of the viable buds. Larger wood (not bully) that would normally have viable buds seemed to be the hardest hit with high percentage of bud mortality. I cut into a few trunks and cordons in hopes to get an indication of trunk and cordon damage, but I think it is a bit early for a good assessment. From the samples I have taken I have made a few observations:

- Cabernet Sauv. & Franc: Most of the viable buds were found within the first five buds.
- Riesling: Canes were 'hit or miss' with either most damaged or viable and very few in between, buds 3 through 7 were found to be the most viable.
- Seval: Buds 2 through 6 were found to be the most viable.





I'm looking for more locations to gather buds and to expand on the list of cultivars we are looking at. Please get ahold of me if you would like to participate.

The primary bud of this bud has died. The secondary bud is alive. The tertiary bud cannot be evaluated at this level of cut

<http://www.fruit.cornell.edu/grape/pool/winterinjurybuds.html>



Primary, secondary and tertiary are healthy and viable.

For more information of how to assess winter injury to buds (like the picture above) and also to see a video tutorial visit <http://www.fruit.cornell.edu/grape/pool/winterinjurybuds.html>

To follow the bud hardiness of the Lake Erie Grape Region through the 'Bud LTE project' check out <http://grapesandwine.cals.cornell.edu/cals/grapesandwine/outreach/viticulture/weather.cfm> . I will be elaborating more on this project in future crop updates.

If you have concerns about excessive bud damage we can do a bud assessment here at CLEREL. Call me at (716) 792-2800 Ext. 204 or email me at [llh85@cornell.edu](mailto:llh85@cornell.edu) to set up a site visit or an appointment.



# 2014 LERGP WINTER GROWERS CONFERENCE

MARCH 20, 2014

AT SUNY FREDONIA, WILLIAMS CENTER

Full Day Conference, 8:00am-4:15pm, with  
morning and afternoon talks, Buffet Lunch and  
Trade-Show!

- Management Strategies for High Yield
- GIS and Sensor Technology
- GPS Sprayer Technology
- GBM
- Cover Cropping
- Grape Rootworm/Japanese Beetle

Including Discussion panels with input  
from local growers who have experience in  
each related area

THE ENTIRE EVENT WILL BE HELD IN THE WILLIAMS  
CENTER-  
NO TRAVELLING FROM ONE BUILDING TO THE NEXT ON  
THE ICE IN THE COLD!



**2014 Lake Erie Regional Grape Program Growers' Conference**  
**March 20, 2014**  
**Williams Center**  
**SUNY at Fredonia Campus**

6:30 AM	Tradeshow set up begins
7:30 AM	Registration and Tradeshow open
8:20 AM	Welcome
8:30 - 9:30 AM	Implementing Vineyard GIS and Sensor Technology
9:30 – 10:00 AM	Farm Transitioning Strategies
10:00 – 10:30 AM	Break
10:30 – Noon	Management Strategies for High Yields
Noon- 1:30 PM	Lunch and Visit Tradeshow
1:30 – 2:00 PM	Using GPS Sprayer Technology
2:00 – 2:30 PM	Grape Rootworm/Japanese Beetle Project
2:30 – 3:00 PM	Disease Management Update
3:00 – 3:15 PM	Break
3:15 – 3:45 PM	Implementing NEWA in a Vineyard IPM Strategy
3:45 – 4:15 PM	Grape Berry Moth Management
4:15 PM	Adjourn

**LAKE ERIE REGIONAL GRAPE PROGRAM**  
**2014 GRAPE GROWERS' CONFERENCE REGISTRATION FORM**

to be held at SUNY Fredonia Williams Center

on March 20, 2014

**Deadline for registration is March 6, 2014.**

Name (1<sup>st</sup> attendee) \_\_\_\_\_ \$ \_\_\_\_\_

Farm Name \_\_\_\_\_

Address, City, State, Zip Code \_\_\_\_\_

\_\_\_\_\_

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Are you enrolled in Lake Erie Regional Grape Program (LERGP)? Yes \_\_\_\_\_ No \_\_\_\_\_

REGISTRATION FEES	
LERGP Member 1 <sup>st</sup> attendee	\$ 40.00
Additional attendee on same farm	\$ 35.00
Non- member	\$100.00

**Additional Attendees:**

	\$
	\$
	\$
	\$
	\$

\*Please add a **\$25.00 late fee** for each reservation received after March 6, 2014

**TOTAL \$** \_\_\_\_\_

Please make check payable to **LERGP (Lake Erie Regional Grape Program)** and mail to: Kate Robinson  
LERGP  
6592 W Main Rd  
Portland NY 14769

Name \_\_\_\_\_ NY DEC/PA PDA NUMBER \_\_\_\_\_

Name \_\_\_\_\_ NY DEC/PA PDA NUMBER \_\_\_\_\_

Name \_\_\_\_\_ NY DEC/PA PDA NUMBER \_\_\_\_\_

<u>Date Ck. Rec'd</u>	<u>Amount</u>

Call Kate at 716-792-2800 ext 201 with any questions.



# 2014 Lake Erie Regional Grape Program Enrollment

**\*\*This form is for NY Growers ONLY- PA Growers call 814-825-0900 to register**

## **Fees:**

\$70.00 \$\_\_\_\_\_ **GRAPE Program** -Chautauqua county landowner  
(\$45.00 program fee, \$25.00 Chautauqua County Base Fee)

\$65.00 \$\_\_\_\_\_ **GRAPE Program**- Cattaraugus, Erie, NY or Niagara  
(\$45.00 program fee, \$20.00 County base fee)

\$100.00 \$\_\_\_\_\_ **GRAPE Program** -Out of Program Region Resident

\$25.00 \$\_\_\_\_\_ 2014 Cornell Guidelines for Grapes

\$25.00 \$\_\_\_\_\_ Hardcopy mailing of Newsletters\*\*\*

Total \$\_\_\_\_\_ (Please make check payable to LERGP)

Program fees do  
not include 2014  
Cornell Guidelines for  
Grapes

I am interested in the educational work of Cornell Cooperative Extension in Niagara, Chautauqua and Cattaraugus County. Any current re-  
corded enrollee 18 years of age and older shall have voting and nominating privileges to hold office in the Association of their local county.

☐ I am 18 years of age or older and signed\_\_\_\_\_

☐ New ☐ Renewal

Farm Name:\_\_\_\_\_

Name:\_\_\_\_\_ Spouse's Name: \_\_\_\_\_

Address:\_\_\_\_\_ City:\_\_\_\_\_

State:\_\_\_\_\_ Zip Code\_\_\_\_\_

Home phone:\_\_\_\_\_ Cell Phone :\_\_\_\_\_

\*\*\*Due to budget constraints, all correspondence will be conducted through e-mail. Please provide your  
e-mail address below. If you would like to receive hardcopies, mark the \$25.00 additional fee line above  
and include with payment.\*\*\*

EMAIL ADDRESS\_\_\_\_\_

Please return form and payment to:

Feel free to call w/ questions:

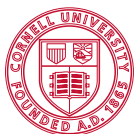
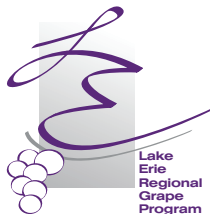
LERGP

716-792-2800 Ext 201

6592 West Main Rd.

Portland NY 14769

Attn: Katie



Cornell University

PENNSTATE



College of  
Agricultural  
Sciences



Cornell University  
Cooperative Extension

LERGP Website Links of Interest:

Table for: Insecticides for use in NY and PA:

<http://lergp.cce.cornell.edu/submission.php?id=69&crumb=ipm|ipm>

Crop Estimation and Thinning Table:

[http://nygpadmin.cce.cornell.edu/pdf/submission/pdf65\\_pdf.pdf](http://nygpadmin.cce.cornell.edu/pdf/submission/pdf65_pdf.pdf)

Appellation Cornell Newsletter Index:

<http://grapesandwine.cals.cornell.edu/cals/grapesandwine/appellation-cornell/>

Veraison to Harvest newsletters:

<http://grapesandwine.cals.cornell.edu/cals/grapesandwine/veraison-to-harvest/index.cfm>

Go to <http://lergp.cce.cornell.edu/> for a detailed calendar of events.

Please remember to RSVP for those events that require one!



## **Project Reporting Session to be held at CLEREL**

A project reporting session is scheduled for Wednesday, February 26, 2014 at the Cornell Lake Erie Research and Extension Laboratory located at 6592 West Main Rd. Portland, NY. This location will serve as the satellite location via polycom. The physical presenters will be in Geneva. The meeting will begin at 9:45am and run until approximately 2:00pm. Updates on projects funded by the Lake Erie Regional Grape Program Research and Extension Program, Inc. (the group charged with dispersing the 75 cents per ton voluntary assessment for Concords produced in the Lake Erie Region), New York Wine and Grape Foundation, New York Wine Grape Growers Association and Viticulture Consortium – East, will be presented, as well as, short presentations on proposed new projects.

The meeting format is designed to encourage discussion between those who are conducting or proposing projects, the funders, and the grower community by limiting presentations to 5 minutes and eliminating the use of visual aids.

Lunch is provided for attendees but you must register to reserve a lunch. Please respond to Kate by Wednesday, February 19, 2014 at 716-792-2800 x201 or [kjr45@cornell.edu](mailto:kjr45@cornell.edu).

**Next Crop Update: February 6, 2014**



**Lake Erie Regional Grape Program Team Members:**

Andy Muza, (ajm4@psu.edu) Extension Educator, Erie County, PA Cooperative Extension, 814.825.0900

Tim Weigle, (thw4@cornell.edu) Grape IPM Extension Associate, NYSIPM, 716.792.2800 ext. 203

Kevin Martin, (kmm52@psu.edu) Business Management Educator, 716. 792.2800 ext. 205

Luke Haggerty, (llh85@cornell.edu) Grape Cultural Practices, 716.792.2800 ext. 204

This publication may contain pesticide recommendations. Changes in pesticide regulations occur constantly, and human errors are still possible. Some materials mentioned may not be registered in all states, may no longer be available, and some uses may no longer be legal. Questions concerning the legality and/or registration status for pesticide use should be directed to the appropriate extension agent or state regulatory agency. Read the label before applying any pesticide. Cornell and Penn State Cooperative Extensions, and their employees, assume no liability for the effectiveness or results of any chemicals for pesticide usage. No endorsements of products are made or implied.

Cornell University Cooperative Extension provides equal program and employment opportunities.

Contact the Lake Erie Regional Grape Program if you have any special needs such as visual, hearing or mobility impairments.

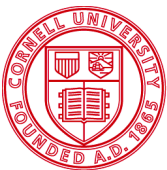
CCE does not endorse or recommend any specific product or service.

THE LAKE ERIE REGIONAL GRAPE PROGRAM at CLEREL

6592 West Main Road

Portland, NY 14769

716-792-2800



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Agricultural  
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