



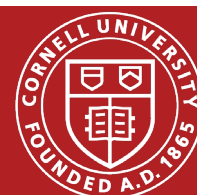
Cornell Cooperative Extension
Lake Erie Regional Grape Program



PennState Extension

Crop Update - December 21, 2020

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The Lake Erie Regional Grape Program is a Cornell Cooperative Extension partnership between Cornell University and the Cornell Cooperative Extensions in Chautauqua, Erie and Niagara county NY and in Erie County PA.

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How to join a Zoom meeting video (1 minute):

https://www.youtube.com/embed/vFhAEoCF7jg?rel=0&autoplay=1&cc_load_policy=1

Joining and Configuring Audio & Video (1 minute):

https://www.youtube.com/embed/HqncX7RE0wM?rel=0&autoplay=1&cc_load_policy=1

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Business Management

Kevin Martin, Penn State University, LERGP, Business Management Educator

2021 Pesticide Prices

Early orders for pesticides obviously do not include a complete array of a successful management program. Growers need to adjust both the types of materials and the rates of materials based on weather, scouting protocols and crop load.

There are some basic things in Concord that are standard year after year. The following table includes a list of a number of chemicals that might be part of a standard program growers order now in order to ensure supply, save money and get ready for the spring. One note, of course, is that this is a diverse list to help provide information for different types of strategies. Concord growers should not interpret this list as a recommendation to pre-purchase Luna Experience, Endura, Vivando and Quintec.

Trade Name	Cost Per Acre	Acres Per Container	Cost per Container
Admire Pro	\$ 2.13	100	\$ 212.97
Intrepid 2F	\$ 14.53	16	\$ 232.50
Leverage 360	\$ 5.68	40	\$ 227.00
Altacor	\$ 20.81	8	\$ 166.47
Bifenture EC	\$ 4.60	20	\$ 92.07
Captan 80WDG	\$ 5.62	24	\$ 134.85
Manzate Pro Stick	\$ 11.07	10	\$ 110.67
Vivando	\$ 19.98	12	\$ 248.31
Quintec	\$ 17.36	6	\$ 104.16
Endura	\$ 21.69	23	\$ 501.27
Luna Experience	\$ 30.34	5	\$ 161.82
Ziram Xcell	\$ 23.56	2	\$ 35.34
Ziram DF	\$ 15.35	10	\$ 153.45
Revus Top	\$ 17.48	46	\$ 798.87

I also may have missed a standard and predictable chemical that a grower needs for their strategy. Insecticides, in particular, start to vary considerably based on pest pressure. While GBM remains the most important pest across the region, specific locations might pre-order chemicals to target other pests that have predictable pressure for them.

The biggest take-away I see is that my source for prices shows little change from last year. After a couple of years with some pretty big moves, at least based on this data, most chemicals are similarly priced or adjusted upward slightly. In recent years we've seen some important modes of action drop in price considerably. We've also seen some standard chemicals bump up and down based on the status of supply. Last year Covid-19 was a bit of a wild card and there were some concerns about supply. Those concerns, to my knowledge, never materialized in a meaningful way.

Good luck, happy purchasing. May you beat these prices as you successfully negotiate your way to profitability!

Market Survey

Yes, the Concord market is hot right now. It's not breaking any records but it's a welcome respite from contract cancellations and prices that solicit nervous twitches from bankers. So here we are. Cornell needs more information about your individual Concord market. The results of this survey will impact future economic research. The funding for this research comes from concerns NYS had about the viability of this industry. Sure, we're good now. Inevitably there will be a moment in the future where the industry looks bleak yet again. Hopefully, it will be 2030 not 2022. However, results of the survey attached to this crop update and the research that follows could make the next downturn just a bit more palatable. It's certainly worth a moment of your valuable time. Thank you and Happy Holidays.

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Viticulture

Jennifer Russo, Viticulture Extension Specialist, LERGP

A Note from Dr. Lynn Sosnoskie

Hi all,

Not sure if anyone was doing work with Weed Slayer herbicide (I was...more in this in a few), but wanted to share this announcement from CDFA announcing that samples of the 'Part B' portion (Agro Gold WS) of the herbicide (which is a combination of eugenol (Part A) and Part B, which are mixed together) were found to contain diquat and glyphosate and use as an organic herbicide in California has been suspended.

Marcelo Moretti (Oregon State) and I completed some work this summer that we were planning to publish (undecided as to what we will do now) showing that the Part B portion is the herbicidal fraction. The Part B portion was just supposed to contain bacterial stimulants or something similar. Interestingly, the directions for herbicide use indicate that it should be sprayed as a solution with a pH of 4.0 or less and at 20 GPA, which is pretty much the recommendation for glyphosate.

In any case, I'll be presenting my results at the NEPPSC in January. I have not sent my sample away for testing, yet.

Just wanted to share.

Regards,
Lynn

Lynn M Sosnoskie, PhD

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NOTICE: STATEWIDE QUARANTINE & REMOVAL FROM SALE ORDER

December 4, 2020

Effective immediately, the California Department of Food & Agriculture's Fertilizing Materials Inspection Program (FMIP), pursuant to its authority under the Food and Agricultural Code, Division 7, Chapter 5, Article 10, is issuing an order of statewide quarantine and removal from sale for the product **AGRO GOLD WS** manufactured by Agro Research International LLC.

The product **AGRO GOLD WS** is labeled and registered as an organic fertilizing material, but has been found to contain both Diquat and Glyphosate. Sale and use of this product thus poses a public health risk because the product was found to contain synthetic herbicides not disclosed on its label.

This product has been distributed within a co-packed box, also containing the product **WEED SLAYER**, an organic herbicide. The FMIP enforcement authority specifically provides for the seizure of product through Food & Agricultural Code (FAC) section 14653, which provides: *The secretary may seize and hold any lot of fertilizing material which he or she has reasonable cause to believe is in violation of this chapter or the regulations adopted pursuant to this chapter.*

AGRO GOLD WS samples have tested positive for the presence of synthetic chemical compounds Diquat and Glyphosate, which are both prohibited substances that do not comply with the requirements of the U.S. Department of Agriculture's National Organic Program. The presence of Diquat and Glyphosate in the product **AGRO GOLD WS** is sufficient evidence to support violations of the FAC including but not limited to violations of FAC section 14682(e).

A violation of this quarantine order may carry with it penalties of the State and National Organic Programs. See Food and Agricultural Code section 14682(e): *No person shall distribute adulterated fertilizing material. A fertilizing material shall be deemed to be adulterated if an organic input material contains ingredients that, in type or amount, do not comply with the requirements of the National Organic Program standards, as specified in Part 205 (commencing with Section 205.1) of Subchapter M of Chapter I of Subtitle B of Title 7 of the Code of Federal Regulations.*

If you or your firm is in possession of **AGRO GOLD WS**, you are required to hold the material until further notice and not engage in any further sales or distribution. If you or your firm possesses inventory of this product and has not received a previous in-person quarantine notice for **AGRO GOLD WS**, please contact the Fertilizing Materials Inspection Program at FMIP@cdfa.ca.gov to provide the amount of inventory your firm possesses.

If you are in possession of **AGRO GOLD WS** and wish to appeal the determination that the product contains Diquat and Glyphosate and thereby is in violation of the Food and Agricultural Code, you have fifteen (15) days from receipt of this Notice to do so. See Food and Agricultural Code section 14659. Submit your appeal to the Fertilizing Materials Inspection Program at FMIP@cdfa.ca.gov.

All persons in possession of **AGRO GOLD WS** take note, it is a serious violation to distribute or move any quarantined product without obtaining prior written authorization from CDFA FMIP and violators may be subject to criminal and/or civil penalties. See Food and Agricultural Code section 14655.

For your reference, you may review a copy of the Fertilizing Materials Laws and Regulations here: https://www.cdfa.ca.gov/is/docs/Fertilizer_Law_and_Regs.pdf

Regional Resources & Activities (3 pesticide recertification credits available):

- [Webinar: Grapevine nutrition: nutrient requirements, tissue tests and mycorrhizae \(registration not yet open\)](#) | *Paul Schreiner, USDA ARS, based at Oregon State University, Corvallis* | Jan-20
- [Webinar: How research has changed winemaking practice at small to medium-sized wineries – East and West \(registration not yet open\)](#) | *Thomas Henick-Kling, Director, Viticulture & Enology, Wine Science Center, Washington State University, Richland WA and Peter Bell, winemaker, Fox Run Vineyards, Geneva NY* | Feb-03
- [Webinar: Trunk diseases or winter injury: Managing vine renewal \(registration not yet open\)](#) | *Annie Klodd, assistant extension professor, University of Minnesota Extension* | Feb-17
- [Webinar: Production practices affecting fruit quality in cold hardy “Minnesota” cultivars \(registration not yet open\)](#) | *Amaya Atucha, assistant professor of horticulture, University of Wisconsin-Madison* | Feb-17
- [Webinar: Winemaker Roundtable: Rose Wine Production \(registration not yet open\)](#) | *Emily Pelton, Veritas Vineyard and Winery, Charlottesville, VA, Sarah Troxell Galen Glen Winery, Andreas PA, and David Breeden Sheldrake Point Vineyards, Ovid, NY* | Mar-10
- [Webinar: Spring frost mitigation strategies with chemical products and delayed pruning \(registration not yet open\)](#) | *Imed Dami, professor of viticulture, Ohio State University, and Michela Centinari, associate professor of viticulture, Pennsylvania State University* | Mar-24
- [Webinar: Game-Changing Innovations Every Small Winery Should Know \(registration not yet open\)](#) | *Clark Smith, WineSmith Consulting, Santa Rosa California* | Apr-14
- [Webinar: Towards clean fruit and foliage: new findings on resistance management and spray scheduling to manage grapevine diseases \(registration not yet open\)](#) | *Mengjun Hu, assistant professor, University of Maryland, and Tim Miles, assistant professor, Michigan State University* | Apr-28
- [Spotted Lanternfly -- Understanding its Ecology and the Threat](#) | *Pesticide Management Education Program, Distance Learning Center* (1 DEC credit)
- [Management of Grape Berry Moth](#) | *Pesticide Management Education Program, Distance Learning Center* (1 DEC credit)
- [Implementing NEWA into a Vineyard IPM Strategy](#) | *Pesticide Management Education Program, Distance Learning Center* (1 DEC credit)

Phenological Resources:

- [Spotted Lanternfly, an Invasive Pest Threatening Grapes and Other Crops, Found in Ithaca, NY](#)
- [Spotted Lantern Fly Pesticides Quick Guide November 2020 \(updated\)](#) | *NYS IPM*
- [Webinar: Spotted Lanternfly Basics for Grape and Apple Industries \(recorded on Feb 26, 2019\)](#) | *Northeastern IPM Center*
- [2016 Organic Production and IPM Guide for Grapes](#) | *New York State IPM Program*
- [Grape Insect and Mite Pests-2018 Field Season](#) | *Greg Loeb, Cornell University*
- [Early Season Grape Disease Management](#) | *Katie Gold, Cornell University*

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Other links of interest:

[LERGP Web-site:](#)

[Cornell Cooperative Extension website:](#)

[Cornell CALS Veraison to Harvest Newsletter:](#)

[Efficient Vineyard:](#)

[Appellation Cornell Newsletter:](#)

COVID-19 resources:

Need information? View the following Cornell CALS and CCE Resource Pages Updated Regularly

General Questions & Links:

<https://eden.cce.cornell.edu/>

Food Production, Processing & Safety Questions:

<https://instituteforfoodsafety.cornell.edu/coronavirus-covid-19/>

Employment & Agricultural Workforce Questions:

<http://agworkforce.cals.cornell.edu/>

Cornell Small Farms Resiliency Resources:

<https://smallfarms.cornell.edu/resources/farm-resilience/>

Financial & Mental Health Resources for Farmers:

<https://www.nyfarmnet.org/>

Cornell Farmworker Program

www.farmworkers.cornell.edu

www.trabajadores.cornell.edu (en espanol)

