



LAKE ERIE REGIONAL GRAPE PROGRAM

Electronic Crop Update for August 23, 2012

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Go to <http://lergp.cce.cornell.edu/EventsCalendar.htm> for a detailed calendar of events including maps via Google calendar! Scroll to the bottom of the page for Google calendar and click on the event. Please remember to RSVP for those events that require one! UPCOMING EVENTS are also listed toward the bottom of this Electronic Update.

Please remember to 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 Edith at: emb35@cornell.edu.](mailto:emb35@cornell.edu)

WEATHER FACTS: Edith Byrne

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DATE / YEAR	HIGH	LOW	DAILY PRECIP.	GDDS	TOTAL APRIL GDDS	TOTAL JANUARY GDDS
Week 8/1/12	76	66	0	21	1729	1859.5
Week 8/8/12	83	66	0	24.5	1892	2022.5
Last Week 8/14/12	77	64	0.35	20.5	2002	2132.5
August 22, 2012	72	58	0.00	15	2126.5	2257
August 22, 2011	73	61	1.20	17	2231	2239.5
August 22, 2010	71	65	1.61	18	2307.5	2311
AVERAGE	77.6	59.5	0.13	18.56	1971.45	1996.36
<i>This year compared to AVERAGE: JAN. GDD: Ahead 14.04 / APR. GDD: Ahead 8.35</i>						
PRECIPITATION LAST WEEK: 0.12" / GDDs ACCUMULATED LAST WEEK = 124.5						
August 2012 Pcp = 2.27" / July 2012 Pcp = 4.46" / 2012 Total Precipitation through 8/1 = 21.44"						
GDDs accumulated August 2012 = 418.5	GDDs accumulated July 2012 = 725.5	GDDs accumulated June 2012 = 456.5	GDDs accumulated May 2012 = 393			
	<u>2012</u>	<u>2011</u>				
Average High 8/1 - 8/22	76.09	77.23				
Average Low 8/1 - 8/22	61.95	64.55				
Average High July	81.35	80.97				
Average Low July	65.54	66.00				
Average High June	75.23	73.87				
Average Low June	60.27	58.30				

Phenology Data on Bud Break, Bloom and Veraison:

Ave SD MIN MAX	May-12 8 days Apr-02 May-05			Jun-05 6 days May-05 Jun-05			Aug-05 6 days Aug-05 Sep-05		
	Bud Break			Bloom			Veraison		
Year	Date	January GDDs*	April GDDs**	Date	January GDDs	April GDDs	Date	January GDDs	April GDDs
2012	4/25	183.5	53	6/7	637	506.5	8/10	2061.5	1931
2011	5/10	132.5	124	6/11	642	633.5	8/20	2200	2191.5
2010	4/27	142	138.5	6/4	628	624.5	8/14	2058	2054.5
2009	5/3	135.5	123	6/14	543.5	531	9/1	1975.5	1963
2008	4/24	153.5	131.5	6/14	673	651	8/23	2044	2022
2007	5/8	145.5	95.5	6/10	629.5	580.5	8/18	2074.5	2025.5
2006	4/30	124	104.5	6/14	606.5	587	8/22	2165.5	2146
2005	5/10	129	103.5	6/13	603	577.5	8/21	2351	2325.5
2004	5/2	153.5	114	6/8	652	612.5	8/23	2010.5	1971
2003	5/5	112	95	6/25	624	607	9/2	2096	2079
2002	4/19	145.5	129.5	6/20	643.5	627.5	8/25	2242	2226
2001	5/1	139	137	6/13	592.5	590.5	8/19	2045.5	2043.5
2000	5/3	109.5	45.5	6/12	596.5	532.5	8/22	1912	1848
1999	5/4	106	94	6/9	582	570	8/14	2047	2035
1998	4/27	134.5	45.5	6/5	611.5	522.5	8/17	2113.5	2024.5
1997	5/20	101	83	6/26	603.5	585.5	9/3	1831.5	1813.5
1996	5/15	134.5	125	6/19	657.5	648	8/26	2058.5	2049
1995	5/13	129	98	6/19	658.5	627.5	8/25	2276.5	2245.5
1994	5/2	110	97.5	6/19	589.5	577	8/27	1983	1970.5
1993	5/5	173	172	6/18	608	607	8/23	2014	2013
1992	5/8	120	115	6/17	615.5	610.5	9/2	1814	1809
1991	4/29	164.5	136.5	5/31	613	585	8/5	1922.5	1894.5

FROM NORTH EAST, PA.: Bryan Hed

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Weather: We have accumulated 2280 growing degree days (gdds) from March 1 through August 22. We have recorded about 1.76 inches of rain during August at our location. The short term Skybit forecast for North East PA (Thursday through Saturday) calls for dry, sunny conditions with highs around 80 F. The longer term Accuweather forecast calls for much the same; generally dry conditions over the next week with above average temperatures.

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Phenology and disease: Dry weather and limited overnight dew periods have kept [downy mildew](#) development at bay, and we have not observed any lesions on leaves in our Niagara or wine blocks. Abundant sunshine forecast over the next week will also hamper the development of [powdery mildew](#) on leaves; all good news for growers as we close in on the finish line.

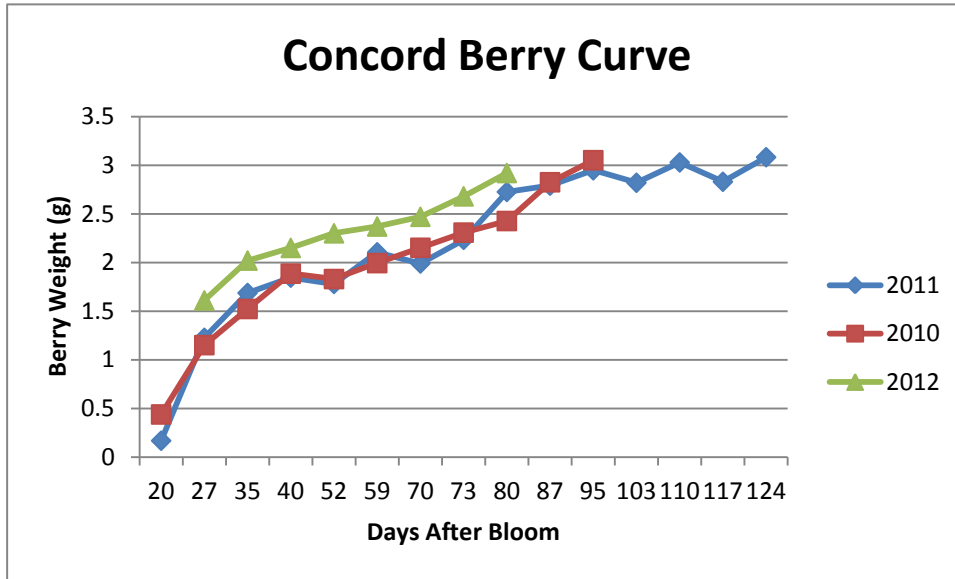
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Tight clustered wine varieties here at the lab (Riesling, Chardonnay, Vignoles, Pinot Noir and Gris) typically are beginning to develop cluster rots, mainly [Botrytis](#), as berries try to expand and split in overcrowded clusters. It is impossible to penetrate tight clusters at this point and Botrytis sprays at this time are designed to protect clusters from invasion of Botrytis from the outside of the cluster. Hopefully growers of these varieties have already applied a bloom, preclose, and veraison spray and will be applying a pre-harvest spray 2-3 weeks from that application. Be aware of pre harvest intervals with these materials as they range from 0 days (Elevate) to 14 days (Endura) before harvest. We have a great variety of chemistries to choose from for Botrytis control, and so rotation of materials with different modes of action is a no brainer for managing the development of resistance to these materials; no one chemistry need be applied more than once per season.

GRAPE CULTURAL PRACTICES: Jodi Creasap-Gee, Ph.D.

Many hybrids have been picked or are being picked now, but Concord and Niagara should be ready on time for the September 4 start date set by at least one of the processors. Other than harvest preparations, the only other news item is that the forecast looks promising for a good harvest. So far. (Fingers crossed.)

Concord berry curve



Concord Berry Weights and Diameters and Brix for 80 Days after Bloom (DAB) 2010-2012

	Berry weight (g)	Berry diameter (mm)	Brix
2010 (80 DAB)	2.4	14.84	Not recorded
2011 (80 DAB)	2.7	15.19	13.25
2012 (80 DAB)	2.9	16.43	13.3

As a reminder, last week's numbers:

2012 (73 DAB)	2.6	16.56	10.68
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Vineyard nutrition for 2012 might be out of the window, but it is never too early to start planning for next year. Soil and petiole testing can be done now in between harvest preparations.



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PLEASE NOTE: Next Electronic Crop Update will be Thursday, August 30, 2012

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

[NY Grape & Wine Classifieds](#) – New Address! - <http://flgclassifieds.cce.cornell.edu/>

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