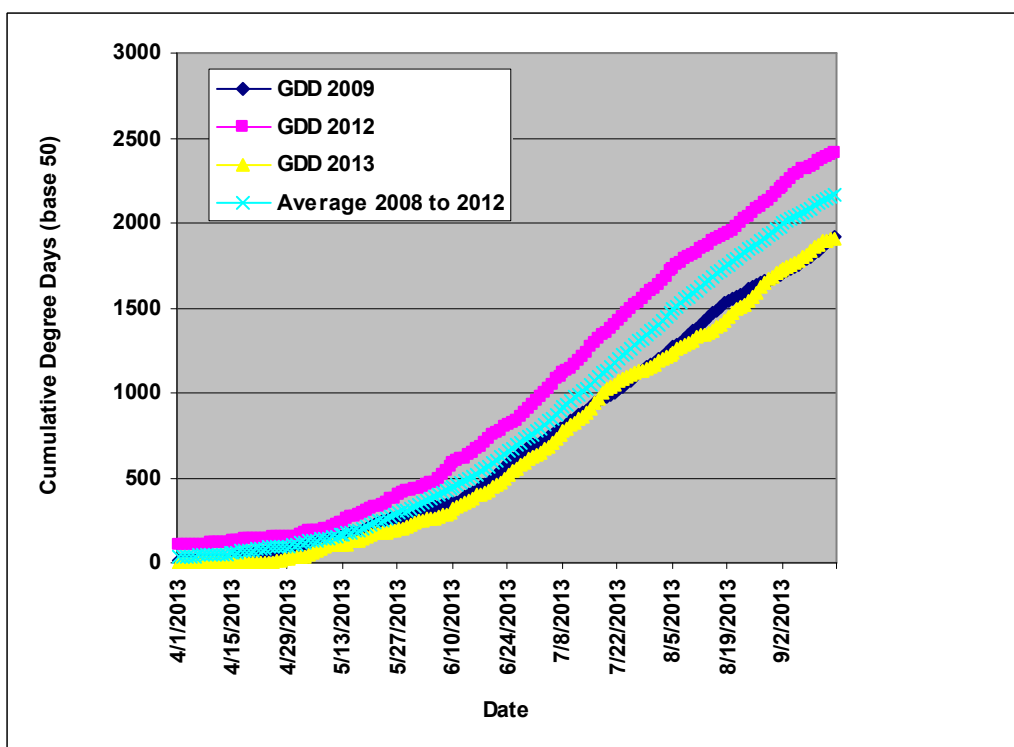


Vineyard IPM Scouting Report for week of 16 September 2013
UW-Extension Door County and Peninsular Agricultural Research Station

The 2013 Grape Growing Season is Similar to 2009

When I started doing grape juice quality assessments last week I started to wonder if the grapes would reach maturity before a killing frost. Even early maturing varieties such as Marquette have a long way to go before harvest. Last week, Marquette had a brix reading of 14.0 and sugar levels have not moved much in the past 7 days. This week, Marquette had a brix reading of 15.5. The TA is not moving much either, a couple points downward, but a long way to go when TA's for Marquette are hovering around 20 g/L in mid-September. To reach maturity grapes need heat and this season we just are not getting the required amount of heat units to get the crop mature. A simple rule of thumb is that grapes on average need approximately 2,100 growing degree days at base 50 to reach maturity. At the Peninsular Agricultural Research Station in Sturgeon Bay only 1,911 GDD have accumulated as of September 15. Looking back over recent records, 2013 is very similar to the 2009 growing season (see graph below). Also the number of GDD is tracking well below the five year average and the high heat year of 2012. Some of you may be wondering why I don't make GDD comparisons to the 30 year average. The reason is that I believe our climate is now one in which we will experience extremes not only within a year but from year to year. The five year average, provides what I believe is a better assessment of what we could expect.



Grape Quality¹ Of Selected Varieties In The Grape Variety Trial At The Peninsular Agricultural Research Station.

Variety	Brix	pH	TA	Berry weight ²
			g/L	grams
Brianna	14.3	3.13	9.33	2.67
Foch	13.6	2.81	24.40	0.88
Frontenac	17.1	2.90	25.14	1.22
Frontenac gris	19.4	3.04	21.22	1.06
La Crescent	16.1	2.90	23.79	1.24
La Crosse	12.2	2.89	18.43	1.68
Leon Millot	16.1	3.02	13.50	0.97
Marquette	15.5	2.96	19.35	1.32
MN 1189	16.9	2.84	13.54	2.28
MN 1200	19.2	3.01	12.73	1.06
MN 1220	16.7	3.07	13.82	1.29
MN 1235	15.2	2.86	22.25	1.24
Noiret	12.3	2.70	24.94	1.51
NY 76	11.3	2.76	26.55	1.48
Petite Pearl	13.4	2.95	15.48	1.10
Vignoles	11.9	2.78	28.33	1.29

¹Data collected on **17 September 2013**. A total of 3 to 4 randomly selected whole clusters were crushed and juice was strained and analyzed.

²Berry weight is the average of 50 berries.

Change In Brix From 9.10.2013 to 9.17.2013 Of Selected Grape Varieties From The PARS Grape Variety Trial.

Variety	Brix	
	9.10.2013	9.17.2013
Brianna	12.2	14.3
Frontenac	14.9	17.1
Frontenac gris	12.0	19.4
La Crescent	13.4	16.1
La Crosse	11.0	12.2
Leon Millot	15.2	16.1
Marquette	14.0	15.5
NY 76	9.0	11.3
Petite Pearl	12.2	13.4

Development of wine grapes in the grape variety trials at the Peninsular Agricultural Research Station (PARS) Sturgeon Bay, WI and West Madison Agricultural Research Station (WMARS), Madison, WI



2013

Development of wine grapes in the grape variety trials at the Peninsular Agricultural Research Station (PARS) Sturgeon Bay, WI and West Madison Agricultural Research Station (WMARS), Madison, WI



2013

Grape progress update of other varieties in the grape variety trial located at the Peninsular Agricultural Research Station.



Grape progress update of other varieties in the grape variety trial located at the Peninsular Agricultural Research Station.



Grape progress update of other varieties in the table grape variety trial located at the Peninsular Agricultural Research Station.

TABLE GRAPE TRIAL



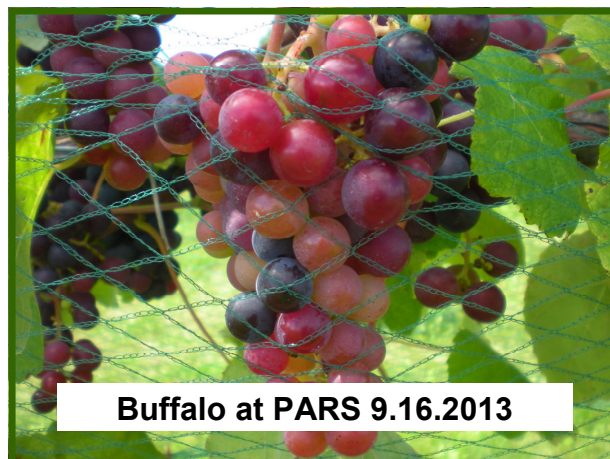
MARS at PARS 9.16.2013



Marquis at PARS 9.16.2013



Reliance at PARS 9.16.2013



Buffalo at PARS 9.16.2013



Einset at PARS 9.16.2013



Canadice at PARS 9.16.2013

Grape progress update of other varieties in the table grape variety trial located at the Peninsular Agricultural Research Station.

TABLE GRAPE TRIAL



Vanessa at PARS 9.16.2013



Summerset at PARS 9.16.2013



Blue Bell at PARS 9.9.2013



St. Pepin seedless at PARS 9.16.2013

**Brix Of Selected Table Grape Varieties On
9.17.2013 At PARS.**

Variety	Brix
Blue Bell	14.3
Buffalo	13.7
Canadice	15.7
Einset	14.7
Marquis	8.8
Mars	13.7
Reliance	15.9
Sommerset seedless	15.7
St. Pepin seedless	18.4
Vanessa	17.2

**Degree Day¹ (base 50) Accumulation from April 1 to September 15, 2013
at Peninsular Agricultural Research Station in Sturgeon Bay, WI**

Date	2013	2012	5 Year Average²
4/1 to 9/15	1911	2312	2133

¹Modified method.

²Average from 2008 to 2012.

**Degree Day¹ (base 50) Accumulation from April 1 to September 15, 2013
at West Madison**

Date	2013	2012	5 Year Average²
4/1 to 9/15	2477	2844	2617

¹Modified method.

²Average from 2008 to 2012.

**Accumulated degree days¹ (base 50) for the month of March in Sturgeon Bay and
Madison, WI.**

Year	Madison WI	Sturgeon Bay WI
GDD (base 50, ceiling 86)		
2013	1 ²	0
2012	252	106
2011	13	3
2010	72	38
2009	51	12
2008	1	0
2007	90	41
2006	22	7
2005	40	9
2004	49	11

¹Modified method.

²Data from <http://www.doa.state.wi.us/degreedays/>

Please scout your vineyards on a regularly scheduled basis in an effort to manage problem pests. This report contains information on scouting reports from specific locations and may not reflect pest problems in your vineyard. If you would like more information on IPM in grapes, please contact Dean Volenberg at (920)746-2260 or dean.volenberg@ces.uwex.edu