

Relationship of Growing Degree Days to Bud Break and Harvest Timing for Hybrid Grape Cultivars



PAUL READ



STEPHEN GAMET

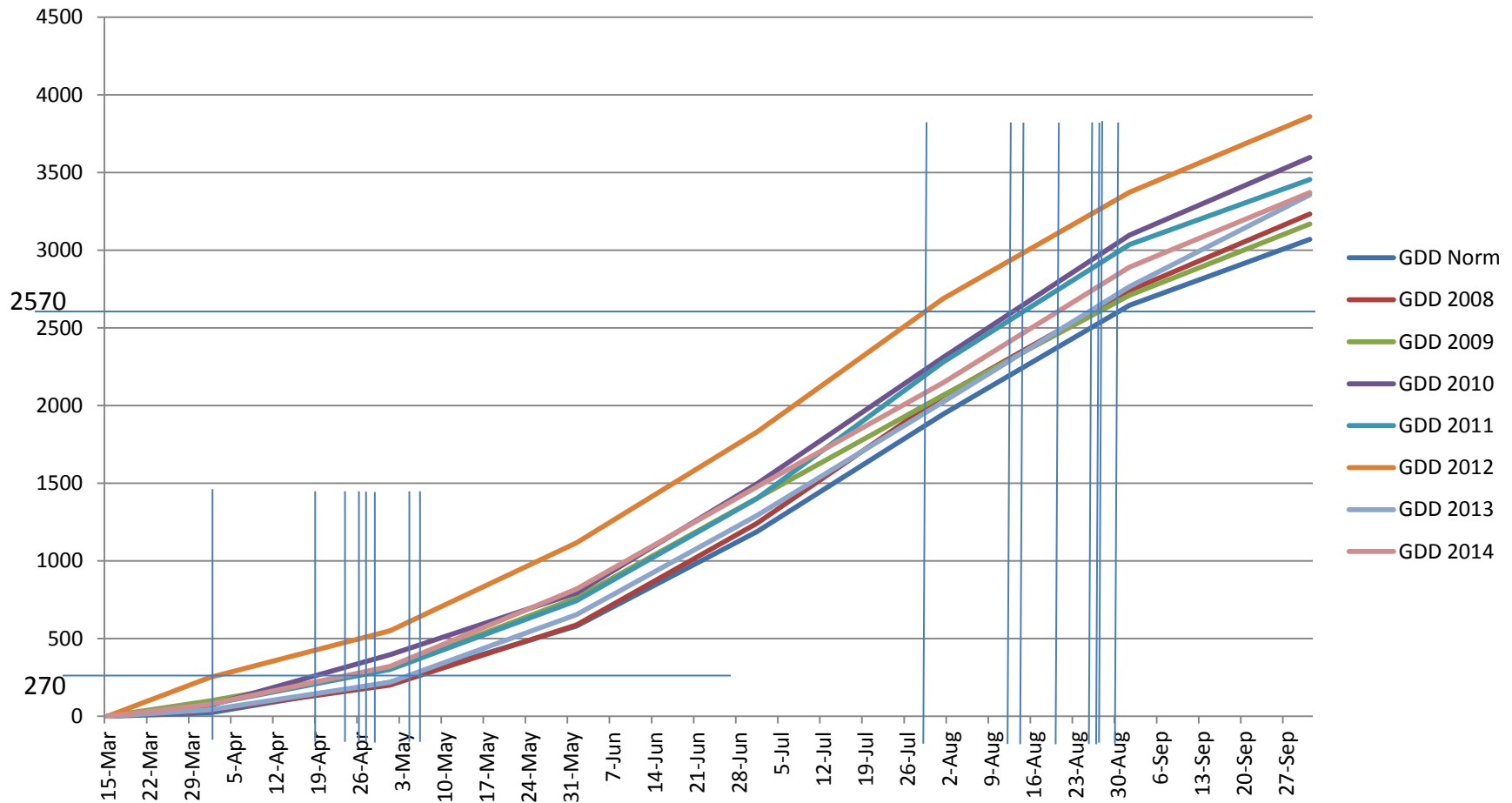


<http://agronomy.unl.edu/viticulture>

It is the policy of the University of Nebraska–Lincoln not to discriminate based upon age, race, ethnicity, color, national origin, gender-identity, sex, pregnancy, disability, sexual orientation, genetic information, veteran’s status, marital status, religion or political affiliation.

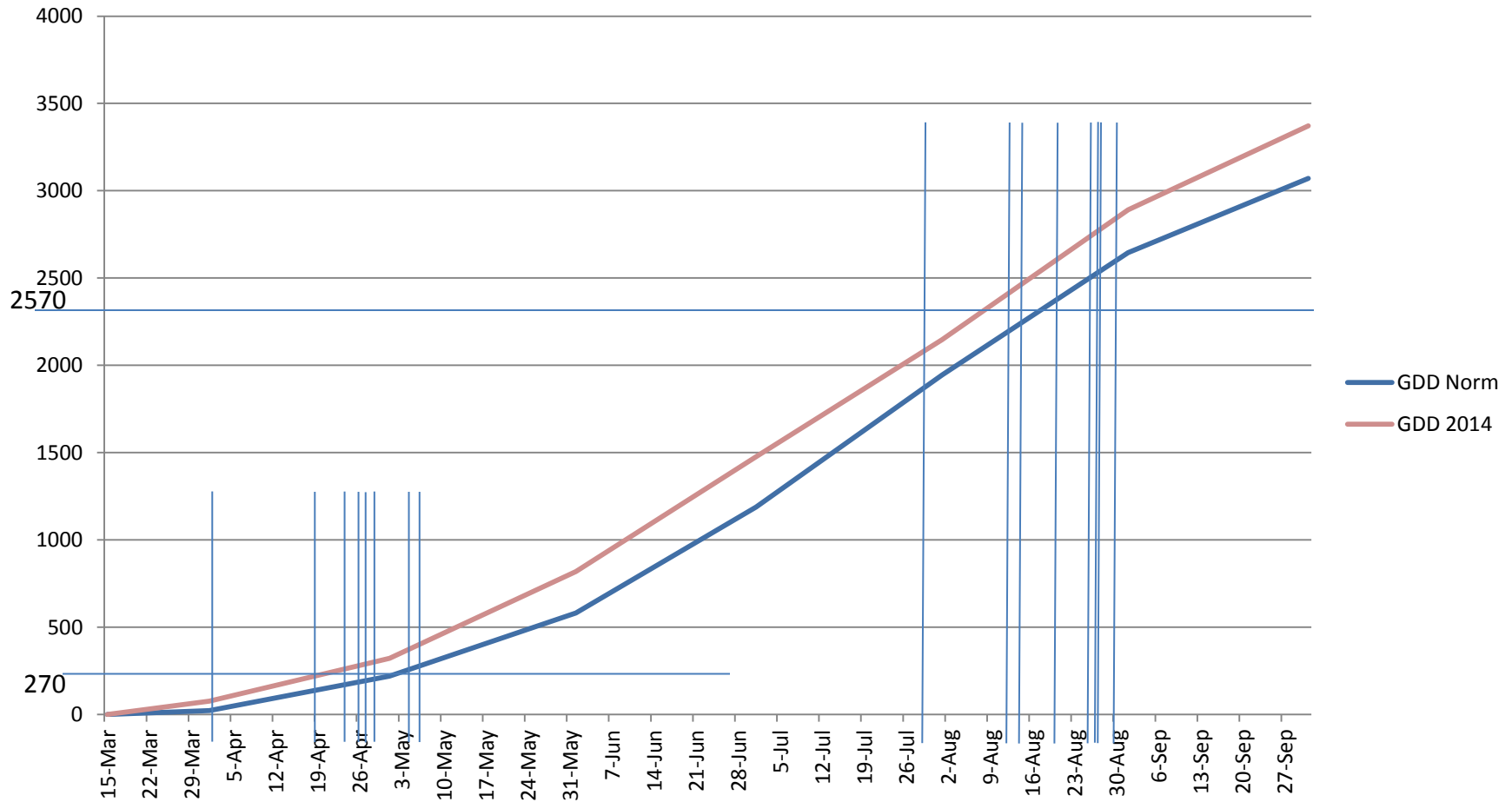
Nebraska City

Growing Degree Day Graphic for the last Seven Years



Nebraska City

Growing Degree Day Graphic for 2014



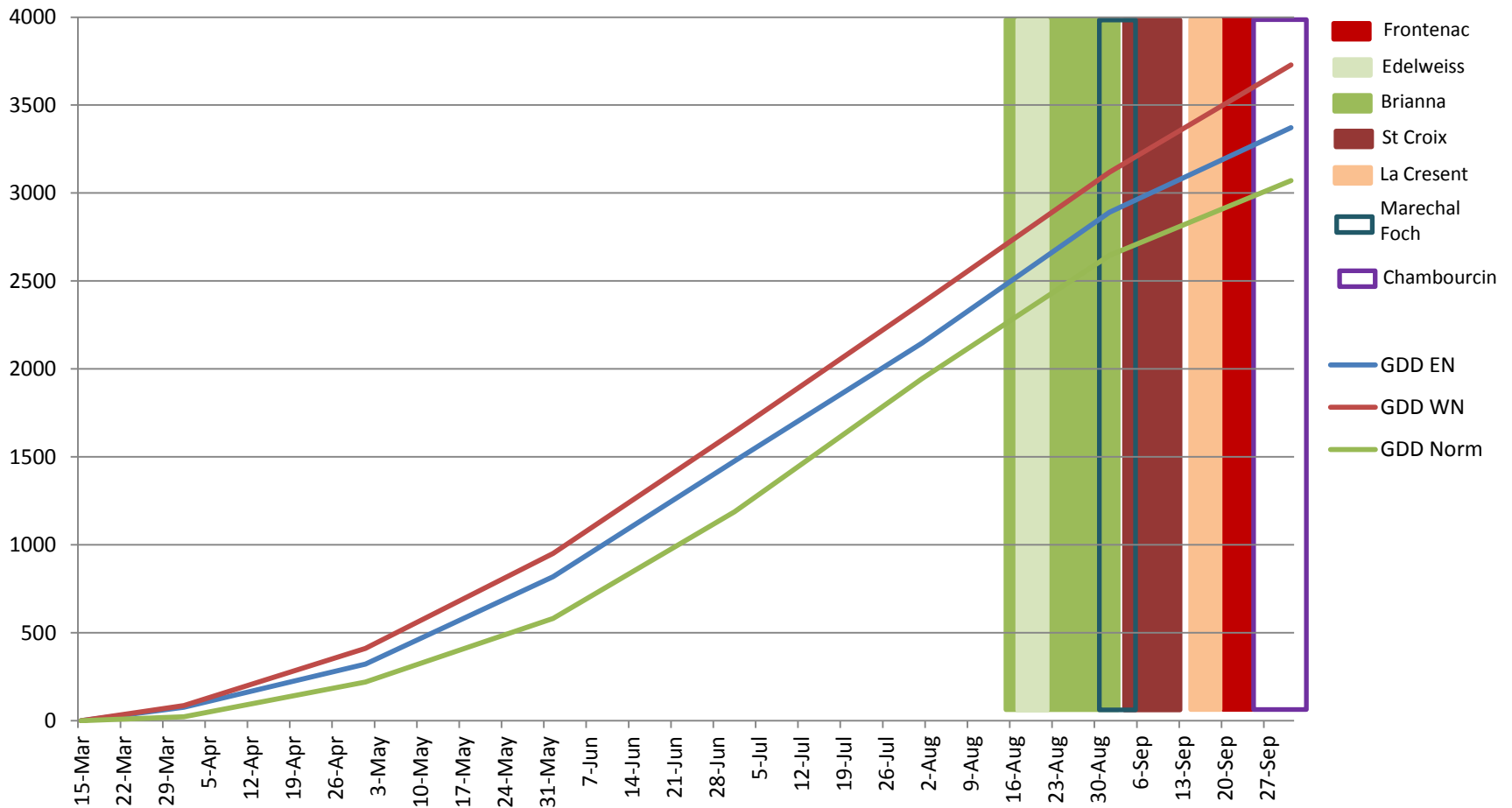
Nebraska City

Year	Bud Break	Maturity	
	*271 GDD (May 6)	*2569 GDD (Aug 16)	
2008	May 9	Aug 22	(106 days)
2009	Apr 25	Aug 23	(121 days)
2010	Apr 17	Aug 9	(115 days)
2011	Apr 27	Aug 11	(107 days)
2012	Apr 1	Jul 26	(117 days)
2013	May 7	Aug 22	(108 days)
2014	Apr 27	Aug 17	(113 days)

*Growing Degree Days Calculations are Based on a Starting Date of March 15

112 days average

Range of Harvest Dates by Cultivar for 2014



Harvest Range Dates

Edelweiss
August 17-20
GDD 2782-2854

Maréchal Foch
Sept 1-10
GDD 3142-3339

Frontenac
Sept 23-26
GDD 3561-3633

Prairie Star
August 19
GDD 2830

St Croix
Sept 3-13
GDD 3349

Chambourcin
Sept 26-30
GDD 3633

Brianna
August 15-Sept 3
GDD 2732-3184

St Pepin
Sept 13
GDD 3349

Norton
Sept 28-30
GDD 3681-3729

Seyval
Sept 10
GDD 3339

La Crescent
Sept 16-18
GDD 3405



Growing Degree Days Matter

Clearly other factors can influence harvest timing: canopy management, rainfall/irrigation, winemaker's stylistic preferences and many others.

However, GDD are a good starting point and as we accumulate more GDD data we will share that data.

More information will enable more refining of harvest timing.