



## 2008/2009 Cold Hardiness Testing of Grape Buds in Niagara



Cultivar	Date	Location	BUD LT 10% °C	BUD LT 50% °C	BUD LT 90% °C
Chardonnay	24-Nov-08	GRS – Vineland (West Central)	-20.4	-21.5	-22.2
	21-Nov-08	West Lakeshore	-17.3	-20.7	-22.1
	26-Nov-08	NOTL – Virgil (East Central)	-18.5	-20.8	-22.2
Riesling	25-Nov-08	GRS – Vineland (West Central)	-19.3	-21.2	-22.3
	26-Nov-08	NOTL – Virgil (East Central)	-19.9	-21.6	-22.7
Sauvignon Blanc	25-Nov-08	GRS – Vineland (West Central)	-13.3	-17.5	-19.8
	26-Nov-08	NOTL – Virgil (East Central)	-15.5	-19.2	-20.8
Pinot Gris	24-Nov-08	GRS – Vineland (West Central)	-18.8	-20.4	-21.7
	26-Nov-08	NOTL – Virgil (East Central)	-20.3	-21.7	-22.4
Pinot Blanc	24-Nov-08	GRS – Vineland (West Central)	-11.8	-19.3	-22.0
Gewurztraminer	24-Nov-08	GRS – Vineland (West Central)	-17.8	-20.8	-22.5
Merlot	25-Nov-08	GRS – Vineland (West Central)	-15.1	-18.3	-20.0
	21-Nov-08	West Lakeshore	-14.5	-17.8	-19.8
	26-Nov-08	NOTL – Virgil (East Central)	-13.9	-18.4	-20.8
Cabernet Sauvignon	25-Nov-08	GRS – Vineland (West Central)	-16.2	-18.8	-21.4
	21-Nov-08	West Lakeshore	-14.5	-18.3	-20.6
Cabernet Franc	25-Nov-08	GRS – Vineland (West Central)	-12.2	-17.6	-19.7
Pinot Noir	24-Nov-08	GRS – Vineland (West Central)	-21.7	22.8	-24.0
	21-Nov-08	W. Lakeshore	-18.1	-20.4	-21.1
Gamay	24-Nov-08	GRS – Vineland (West Central)	-18.6	-20.9	-21.9
	26-Nov-08	NOTL – Virgil (East Central)	-18.9	-21.1	-22.4
Syrah	21-Nov-08	W. Lakeshore	-17.3	-19.2	-21.1

BUD LT10 is the temperature (degrees Celsius) at which 10% of the primary buds will be killed. BUD LT 50 and BUD LT 90 refer to 50% and 90% bud damage respectively. Vine hardiness ratings are site specific and may vary depending on your specific environmental conditions, overall vine health and viticultural practices. KCMS is not responsible for any damage from the use or misuse of this information.