



2013/14 Cold Hardiness Testing of Grape

Buds in Niagara

CHARDONNAY



Appellation	Location	Date	BUD LT 10% °C	BUD LT 50% °C	BUD LT 90% °C
Niagara River	NR1	19-Feb-14	-21.9	-24.4	-26.1
	NR2	18-Feb-14	-21.9	-23.8	-25.2
Four Mile Creek	FMC1	18-Feb-14	-22.6	-23.8	-24.9
	FMC2	19-Feb-14	-22.8	-23.9	-26.2
Niagara Lakeshore	NL1	18-Feb-14	-22.3	-24.0	-25.2
	NL2	18-Feb-14	-22.8	-24.3	-25.8
St. David's Bench	SDB1	26-Feb-14	-20.7	-22.7	-24.1
	SDB2	19-Feb-14	-22.3	-24.0	-25.9
Creek Shores	CS1	19-Feb-14	-22.3	-24.1	-25.9
	CS2	24-Feb-14	-22.5	-24.0	-25.3
Short Hills Bench	SHB1	20-Feb-14	-21.3	-23.6	-25.5
	SHB2	24-Feb-14	-19.9	-23.0	-24.2
Twenty Mile Bench	TMB1	20-Feb-14	-20.0	-22.5	-24.3
	TMB2	-	-	-	-
Lincoln Lakeshore	LL1	24-Feb-14	-22.1	-23.8	-24.8
	LL2	26-Feb-14	-21.6	-23.8	-25.0
Beamsville Bench	BB1	24-Feb-14	-22.3	-23.9	-25.1
	BB2	26-Feb-14	-22.1	-22.9	-24.8
Vinemount Ridge	VR1	24-Feb-14	-21.1	-24.0	-25.1
	VR2	20-Feb-14	-22.2	-23.6	-25.3

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.