

## 2013 - 2014 Winter Grape Bud Hardiness Okanagan Valley BC

Location	Variety	Avg LTE/site (Oct 25)	Avg LTE/site (Nov 8)	Avg LTE/site (Nov 22)	Avg LTE/site (Dec 6)	Avg LTE/site (Dec 20)	Avg LTE/site (Jan 3)	Avg LTE/site (Jan 17)	Avg LTE/site (Jan 31)	Avg LTE/site (Feb 14)	Avg LTE/site (Feb 28)	Avg LTE/site (Mar 14)	Avg LTE/site (Mar 27)	Avg LTE/site (Apr 11)
Black Sage	Cabernet Franc	-12.9	-17.7											
Oliver, east	Cabernet Franc	-13.1	-18.2											
Osoyoos, northeast	Cabernet Sauvignon	-12.9	-17.0											
Osoyoos, northeast	Cabernet Sauvignon	-11.9	-15.8											
Osoyoos, southeast	Cabernet Sauvignon	-11.8	-17.9											
Black Sage	Cabernet Sauvignon	-11.3	-17.5											
Osoyoos, southeast	Chardonnay	-14.2	-20.7											
Black Sage	Chardonnay	-13.1	-19.1											
Naramata Bench	Chardonnay	-13.6	-18.9											
OK Falls, east	Chardonnay	-14.2	-19.4											
Oliver, east	Chardonnay	-14.4	-19.0											
OK Falls, west	Gewurztraminer	-13.0	-19.2											
Oliver, east	Gewurztraminer	-13.2	-19.9											
Oliver, west	Merlot	-11.1	-13.8											
Osoyoos, northeast	Merlot	-12.6	-17.9											
Black Sage	Merlot	-12.5	-19.5											
Black Sage	Pinot blanc	-13.6	-19.3											
Oliver, east	Pinot blanc	-14.2	-20.7											
Black Sage	Pinot gris	-15.1	-20.0											
Oliver, east	Pinot gris	-16.0	-21.7											
Naramata Bench	Pinot gris	-12.2	-16.3											
OK Falls, east	Pinot gris	-16.4	-20.1											
Oliver, east	Pinot gris	-13.9	-19.5											
Black Sage	Pinot noir	-14.6	-19.3											
Kelowna	Pinot noir	-14.0	-20.0											
Osoyoos, northeast	Pinot noir	-14.6	-20.6											
Black Sage	Riesling	-13.4	-21.5											
West Kelowna	Riesling	-11.8	-17.9											
Oliver, east	Riesling	-16.4	-19.8											
Black Sage	Sauvignon blanc	-12.1	-17.3											
Oliver, east	Sauvignon blanc	-15.2	-18.9											
Oliver, east	Sauvignon blanc	-12.9	-19.9											
Osoyoos, southeast	Shiraz	-13.1	-17.1											
Black Sage	Shiraz	-12.5	-16.2											
Osoyoos, northeast	Shiraz	-11.3	-15.2											
Osoyoos, northeast	Shiraz	-12.9	-16.0											
<b>Average Bud Hardiness (all sites, all varieties)</b>		<b>-13.4</b>	<b>-18.6</b>											

LTE - Lethal Temperature Exotherm (°C)

Average LTE/site is the mean temperature for bud death from 3 vines at selected sites in the Okanagan Valley