

## 2017 - 2018 Winter Grape Bud Hardiness Okanagan Valley BC

Variety	Location	sample day	Avg LTE/vine (Nov 7,8)	Avg LTE/vine (Nov 21,22)	Avg LTE/vine (Dec 5,6)	Avg LTE/vine (Dec 19,20)	Avg LTE/vine (Jan 2,3)	Avg LTE/vine (Jan 16,17)	Avg LTE/vine (Jan 30,31)	Avg LTE/vine (Feb 13,14)	Avg LTE/vine (Feb 27,28)	Avg LTE/vine (Mar 13,14)	Avg LTE/vine (Mar 27,28)	Avg LTE/vine (Apr 3,4)
Cabernet Franc	Oliver east	Tues	-20.9											
Cabernet Franc	Black Sage	Tues	-21.1											
Cabernet Franc	Black Sage	Wed	-20.1											
Cabernet Franc	Osoyoos, southeast	Wed	-19.9											
Cabernet Franc	Osoyoos, north	Wed	-19.7											
Cabernet Sauvignon	Osoyoos northeast	Tues	-19.8											
Cabernet Sauvignon	Osoyoos northeast	Tues	-17.7											
Cabernet Sauvignon	Black Sage	Tues	-19.3											
Cabernet Sauvignon	Osoyoos, southeast	Wed	-20.0											
Chardonnay	OK Falls, east	Tues	-21.5											
Chardonnay	Oliver east	Tues	-22.2											
Chardonnay	Black Sage	Tues	-21.9											
Chardonnay	Naramata bench	Tues	-22.1											
Chardonnay	Osoyoos, southeast	Wed	-22.1											
Chardonnay	Oliver, south	Wed	-21.9											
Gewurztraminer	OK Falls, west	Tues	-19.7											
Gewurztraminer	Oliver east	Tues	-19.7											
Gewurztraminer	Kelowna	Tues	-18.8											
Malbec	Osoyoos, north	Wed	-21.3											
Merlot	Osoyoos northeast	Tues	-19.8											
Merlot	Black Sage	Tues	-20.3											
Merlot	Osoyoos northeast	Wed	-21.1											
Merlot	Osoyoos northeast	Wed	-20.3											
Merlot	Osoyoos northeast	Wed	-21.1											
Merlot	Osoyoos northeast	Wed	-20.6											
Merlot	Oliver east	Wed	-20.8											
Merlot	Oliver, west	Wed	-19.5											
Merlot	Osoyoos west	Wed	-20.5											
Merlot	Osoyoos, southeast	Wed	-19.2											
Merlot	Black Sage	Wed	-20.0											
Merlot	Black Sage	Wed	-20.8											
Pinot blanc	Oliver east	Tues	-21.1											
Pinot blanc	Black Sage	Tues	-21.6											
Pinot gris	OK Falls, east	Tues	-22.7											
Pinot gris	Oliver east	Tues	-21.3											
Pinot gris	Black Sage	Tues	-22.3											
Pinot gris	Naramata bench	Tues	-20.7											
Pinot gris	Oliver east	Wed	-22.3											
Pinot noir	Osoyoos northeast	Tues	-22.1											
Pinot noir	Kelowna	Tues	-20.4											
Pinot noir	Naramata bench	Tues	-21.0											
Pinot noir	Black Sage	Wed	-22.0											
Riesling	Oliver east	Tues	-20.7											
Riesling	Black Sage	Tues	-23.2											
Riesling	West Kelowna	Tues	-20.3											
Riesling	Naramata bench	Tues	-20.9											
Riesling	Black Sage	Tues	-21.2											
Sauv blanc	Black Sage	Tues	-20.7											
Sauv blanc	Black Sage	Tues	-19.1											
Sauv blanc	Black Sage	Tues	-20.6											
Sauv blanc	Black Sage	Wed	-19.0											
Sauvignon blanc	Oliver east	Tues	-20.5											
Sauvignon blanc	Oliver east	Tues	-20.9											
Sauvignon blanc	Osoyoos northeast	Wed	-18.8											
Sauvignon blanc	Osoyoos northeast	Wed	-19.4											
Sauvignon blanc	Osoyoos northeast	Wed	-19.5											
Sauvignon blanc	Oliver east	Wed	-20.8											
Sauvignon blanc	Oliver east	Wed	-21.1											
Shiraz	Osoyoos northeast	Tues	-17.7											
Shiraz	Osoyoos northeast	Tues	-18.4											
Shiraz	Black Sage	Tues	-19.6											
Shiraz	Osoyoos, southeast	Wed	-21.3											
Shiraz	Osoyoos, southeast	Wed	-17.8											
Shiraz	Osoyoos, southeast	Wed	-18.3											
Viognier	Osoyoos west	Wed	-21.3											

Avg LTE/site is the mean temperature for bud death from 3 vines at selected sites in the Okanagan Valley  
 LTE - Lethal Temperature Exotherm (°C)