

## 2018 - 2019 Winter Grape Bud Hardiness Okanagan Valley BC

Variety	Location	sample day	Avg LTE/vine (Nov 6,7)	Avg LTE/vine (Nov 20,21)	Avg LTE/vine (Dec 4,5)	Avg LTE/vine (Dec 18,19)	Avg LTE/vine (Jan 2,3)	Avg LTE/vine (Jan 15,16)	Avg LTE/vine (Jan 29,30)	Avg LTE/vine (Feb 12,13)	Avg LTE/vine (Feb 26,27)	Avg LTE/vine (Mar 12,13)	Avg LTE/vine (Mar 26,27)	Avg LTE/vine (Apr 9,10)
Cab Franc	Black Sage	Tues	-17.7											
Cab Franc	Osoyoos, north	Wed	-15.1											
Cabernet Franc	Oliver east	Tues	-17.4											
Cabernet Franc	Naramata Bench	Tues	-15.4											
Cabernet Franc	Black Sage	Wed	-15.2											
Cabernet Sauv	Osoyoos northeast	Tues	-16.4											
Cabernet Sauv	Osoyoos northeast	Tues	-16.6											
Cabernet Sauvignon	Osoyoos, southeast	Wed	-16.5											
Cabernet Sauvignon	Black Sage	Tues	-16.7											
Chardonnay	OK Falls, east	Tues	-18.5											
Chardonnay	Oliver east	Tues	-17.0											
Chardonnay	Naramata Bench	Tues	-18.9											
Chardonnay	Osoyoos, southeast	Wed	-17.3											
Chardonnay	Black Sage	Tues	-15.9											
Chardonnay	Oliver, south	Wed	-17.6											
Gewurztraminer	OK Falls, west	Tues	-17.0											
Gewurztraminer	Oliver east	Tues	-18.6											
Gewurztraminer	Kelowna	Tues	-16.8											
Malbec	Osoyoos, southeast	Tues	-17.4											
Malbec	Osoyoos, north	Wed	-17.1											
Merlot	Osoyoos northeast	Wed	-17.4											
Merlot	Black Sage	Tues	-18.1											
Merlot	Osoyoos northeast	Wed	-17.4											
Merlot	Osoyoos northeast	Wed	-18.0											
Merlot	Osoyoos northeast	Wed	-17.0											
Merlot	Naramata Bench	Tues	-16.5											
Merlot	Osoyoos northeast	Wed	-16.7											
Merlot	Oliver east	Wed	-17.2											
Merlot	Oliver, west	Wed	-16.9											
Merlot	Osoyoos west	Wed	-16.4											
Merlot	Osoyoos, southeast	Wed	-17.1											
Merlot	Black Sage	Wed	-15.1											
Merlot	Black Sage	Wed	-17.1											
Pinot blanc	Oliver east	Tues	-20.0											
Pinot blanc	Black Sage	Tues	-18.6											
Pinot Gris	OK Falls, east	Tues	-18.8											
Pinot Gris	Oliver east	Tues	-17.6											
Pinot gris	Naramata Bench	Tues	-16.5											
Pinot gris	Black Sage	Tues	-18.1											
Pinot gris	Oliver east	Wed	-21.5											
Pinot Noir	Osoyoos northeast	Wed	-19.2											
Pinot Noir	OK Falls, east	Tues	-19.7											
Pinot noir	Naramata Bench	Tues	-17.7											
Pinot noir	Black Sage	Wed	-18.2											
Pinot noir	Kelowna	Tues	-17.8											
Riesling	Oliver east	Tues	-20.0											
Riesling	Naramata Bench	Tues	-18.1											
Riesling	Black Sage	Tues	-19.6											
Riesling	West Kelowna	Tues	-19.1											
Riesling	Black Sage	Tues	-18.7											
Sauv blanc	Osoyoos northeast	Wed	-17.1											
Sauv blanc	Osoyoos northeast	Wed	-18.2											
Sauv blanc	Osoyoos northeast	Wed	-18.0											
Sauv blanc	Oliver east	Wed	-17.8											
Sauv blanc	Oliver east	Wed	-18.0											
Sauv blanc	Black Sage	Wed	-14.9											
Sauv blanc	Black Sage	Tues	-17.7											
Sauvignon Blanc	Oliver east	Tues	-15.7											
Sauvignon Blanc	Oliver east	Tues	-18.1											
Shiraz	Osoyoos northeast	Tues	-15.2											
Shiraz	Osoyoos northeast	Wed	-16.1											
Shiraz	Osoyoos, southeast	Wed	-18.1											
Shiraz	Black Sage	Tues	-16.7											
Shiraz cl.174	Osoyoos, southeast	Wed	-15.4											
Tempranillo	Oliver, south	Wed	-18.2											
Viognier	Osoyoos, southeast	Tues	-16.9											
Viognier	Osoyoos west	Wed	-18.7											
Zinfandel	Osoyoos northeast	Wed	-16.2											

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)