

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	-20.6	-23.4	-23.3								
Cabernet Franc	Black Sage	Tues	-21.1	-20.5	-23.4	-22.2								
Cabernet Franc	Black Sage	Wed	-20.1	-19.4	-22.3	-22.4								
Cabernet Franc	Osoyoos, southeast	Wed	-19.9	-21.7	-22.6									
Cabernet Franc	Osoyoos, north	Wed	-19.7	-21.1	-21.6									
Cabernet Sauvignon	Osoyoos northeast	Tues	-19.8	-20.5	-22.6	-22.9								
Cabernet Sauvignon	Osoyoos northeast	Tues	-17.7	-18.8	-21.1	-22.1								
Cabernet Sauvignon	Black Sage	Tues	-19.3	-19.1	-21.5	-21.9								
Cabernet Sauvignon	Osoyoos, southeast	Wed	-20.0	-20.3	-21.5									
Chardonnay	OK Falls, east	Tues	-21.5	-22.0	-24.0	-23.0								
Chardonnay	Oliver east	Tues	-22.2	-22.3	-24.3	-23.9								
Chardonnay	Black Sage	Tues	-21.9	-22.0	-23.9	-24.0								
Chardonnay	Naramata bench	Tues	-22.1	-22.1	-23.3	-22.5								
Chardonnay	Osoyoos, southeast	Wed	-22.1	-22.8	-24.3									
Chardonnay	Oliver, south	Wed	-21.9	-21.9	-23.0	-24.6								
Gewurztraminer	OK Falls, west	Tues	-19.7	-20.5	-22.9	-22.5								
Gewurztraminer	Oliver east	Tues	-19.7	-20.4	-23.1	-22.0								
Gewurztraminer	Kelowna	Tues	-18.8	-19.1	-21.1	-21.4								
Malbec	Osoyoos, north	Wed	-21.3	-20.0	-21.3									
Merlot	Osoyoos northeast	Tues	-19.8	-20.3	-22.4	-22.3								
Merlot	Black Sage	Tues	-20.3	-20.9	-22.1	-21.4								
Merlot	Osoyoos northeast	Wed	-21.1	-22.2	-23.9	-23.7								
Merlot	Osoyoos northeast	Wed	-20.3	-21.4	-22.8	-23.0								
Merlot	Osoyoos northeast	Wed	-21.1	-21.5	-22.5	-22.9								
Merlot	Osoyoos northeast	Wed	-20.6	-21.1	-23.1	-23.5								
Merlot	Oliver east	Wed	-20.8	-20.5	-22.6	-22.3								
Merlot	Oliver, west	Wed	-19.5	-19.4	-19.3	-20.5								
Merlot	Osoyoos west	Wed	-20.5	-21.9	-22.3									
Merlot	Osoyoos, southeast	Wed	-19.2	-20.8	-22.0									
Merlot	Black Sage	Wed	-20.0	-18.2	-22.5	-21.7								
Merlot	Black Sage	Wed	-20.8	-21.4	-22.7	-22.9								
Pinot blanc	Oliver east	Tues	-21.1	-21.8	-23.4	-22.4								
Pinot blanc	Black Sage	Tues	-21.6	-21.6	-23.5	-21.5								
Pinot gris	OK Falls, east	Tues	-22.7	-22.3	-23.7	-23.3								
Pinot gris	Oliver east	Tues	-21.3	-22.2	-23.2	-22.7								
Pinot gris	Black Sage	Tues	-22.3	-22.3	-23.5	-22.9								
Pinot gris	Naramata bench	Tues	-20.7	-20.1	-22.9	-21.9								
Pinot gris	Oliver east	Wed	-22.3	-23.2	-24.7	-23.7								
Pinot noir	Osoyoos northeast	Tues	-22.1	-22.6	-23.7	-23.2								
Pinot noir	Kelowna	Tues	-20.4	-21.3	-22.3	-22.7								
Pinot noir	Naramata bench	Tues	-21.0	-20.2	-21.6	-21.8								
Pinot noir	Black Sage	Wed	-22.0	-21.7	-23.5	-23.9								
Riesling	Oliver east	Tues	-20.7	-21.4	-23.2	-22.6								
Riesling	Black Sage	Tues	-23.2	-21.5	-24.5	-23.3								
Riesling	West Kelowna	Tues	-20.3	-20.3	-22.6	-23.2								
Riesling	Naramata bench	Tues	-20.9	-21.3	-22.9	-22.0								
Riesling	Black Sage	Tues	-21.2	-21.9	-23.5	-23.0								
Sauv blanc	Black Sage	Tues	-20.7	-20.1	-21.7	-22.4								
Sauv blanc	Black Sage	Tues	-19.1	-20.7	-21.5	-21.1								
Sauv blanc	Black Sage	Tues	-20.6	-20.7	-23.3	-21.9								
Sauv blanc	Black Sage	Wed	-19.0	-19.7	-22.1	-22.1								
Sauvignon blanc	Oliver east	Tues	-20.5	-20.6	-22.5	-22.7								
Sauvignon blanc	Oliver east	Tues	-20.9	-21.0	-23.4	-22.4								
Sauvignon blanc	Osoyoos northeast	Wed	-18.8	-20.0	-22.0	-22.4								
Sauvignon blanc	Osoyoos northeast	Wed	-19.4	-20.8	-21.7	-22.3								
Sauvignon blanc	Osoyoos northeast	Wed	-19.5	-20.6	-22.6	-23.0								
Sauvignon blanc	Oliver east	Wed	-20.8	-21.9	-23.9	-23.6								
Sauvignon blanc	Oliver east	Wed	-21.1	-21.0	-22.4	-22.3								
Shiraz	Osoyoos northeast	Tues	-17.7	-18.0	-20.6	-20.8								
Shiraz	Osoyoos northeast	Tues	-18.4	-18.7	-20.2	-21.6								
Shiraz	Black Sage	Tues	-19.6	-19.5	-21.6	-20.8								
Shiraz	Osoyoos, southeast	Wed	-21.3	-20.9	-21.9									
Shiraz	Osoyoos, southeast	Wed	-17.8	-18.1	-21.2									
Shiraz	Osoyoos, southeast	Wed	-18.3	-18.7	-22.1									
Viognier	Osoyoos west	Wed	-21.3	-21.9	-24.4									

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)

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