

2016 - 2017 Winter Grape Bud Hardiness Okanagan Valley BC

	Variety	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date	Avg LTE	sample date
Osoyoos, southeast	Cabernet Franc	-14.8	03-Nov	-20.8	17-Nov	-22.8	01-Dec	-26.6	15-Dec			-26.4	12-Jan												
Black Sage	Cabernet Franc	-16.1	08-Nov	-21.0	22-Nov	-24.3	06-Dec	-25.4	20-Dec	-26.1	03-Jan	-24.4	17-Jan	-24.8	31-Jan										
Oliver east	Cabernet Franc	-17.7	08-Nov	-21.5	22-Nov	-24.0	06-Dec	-25.0	20-Dec	-25.4	03-Jan	-24.4	17-Jan	-24.5	31-Jan										
Osoyoos, southeast	Cabernet Sauvignon	-12.9	08-Nov	-18.6	22-Nov	-22.7	06-Dec	-23.2	20-Dec	-24.6	03-Jan	-24.1	17-Jan	-23.2	31-Jan										
Black Sage	Cabernet Sauvignon	-15.2	08-Nov	-19.9	22-Nov	-22.8	06-Dec	-24.3	20-Dec	-23.7	03-Jan	-25.2	17-Jan	-22.8	31-Jan										
Osoyoos northeast	Cabernet Sauvignon	-17.4	08-Nov	-20.7	22-Nov	-22.6	06-Dec	-23.9	20-Dec	-24.5	03-Jan	-24.2	17-Jan	-22.5	31-Jan										
Osoyoos northeast	Cabernet Sauvignon	-15.1	08-Nov	-18.4	22-Nov	-22.7	06-Dec	-23.7	20-Dec	-25.1	03-Jan	-24.7	17-Jan	-22.5	31-Jan										
Osoyoos, southeast	Chardonnay	-16.7	03-Nov	-21.6	17-Nov	-23.3	01-Dec	-23.4	15-Dec			-26.1	12-Jan												
Black Sage	Chardonnay	-17.4	03-Nov	-21.8	17-Nov	-23.3	01-Dec	-25.8	15-Dec			-26.8	12-Jan												
Naramata bench	Chardonnay	-16.1	08-Nov	-19.5	22-Nov	-23.7	06-Dec	-24.6	20-Dec	-24.2	03-Jan	-25.5	17-Jan	-23.8	31-Jan										
OK Falls, east	Chardonnay	-17.2	08-Nov	-20.4	22-Nov	-23.1	06-Dec	-23.7	20-Dec	-24.9	03-Jan	-26.0	17-Jan	-23.4	31-Jan										
Oliver east	Chardonnay	-18.8	08-Nov	-21.6	22-Nov	-24.1	06-Dec	-24.7	20-Dec	-25.0	03-Jan	-25.8	17-Jan	-23.5	31-Jan										
Kelowna	Gewurztraminer	-15.3	08-Nov	-18.0	22-Nov	-21.4	06-Dec	-22.6	20-Dec	-22.8	03-Jan	-23.2	17-Jan	-21.5	31-Jan										
OK Falls, west	Gewurztraminer	-15.2	08-Nov	-21.1	22-Nov	-24.0	06-Dec	-24.4	20-Dec	-24.4	03-Jan	-24.8	17-Jan	-22.6	31-Jan										
Oliver east	Gewurztraminer	-17.6	08-Nov	-21.0	22-Nov	-23.4	06-Dec	-22.4	20-Dec	-24.4	03-Jan	-24.8	17-Jan	-22.3	31-Jan										
Osoyoos west	Merlot	-12.8	03-Nov	-18.3	17-Nov	-20.7	01-Dec	-23.7	15-Dec			-26.2	12-Jan												
Oliver, west	Merlot	-14.0	08-Nov	-19.2	22-Nov	-22.3	06-Dec	-21.1	20-Dec	-23.8	03-Jan	-22.6	17-Jan	-21.1	31-Jan										
Osoyoos northeast	Merlot	-14.4	08-Nov	-19.5	22-Nov	-21.9	06-Dec	-23.6	20-Dec	-24.7	03-Jan	-25.3	17-Jan	-22.6	31-Jan										
Black Sage	Merlot	-17.6	08-Nov	-20.1	22-Nov	-22.3	06-Dec	-23.6	20-Dec	-25.0	03-Jan	-26.5	17-Jan	-23.3	31-Jan										
Black Sage	Pinot blanc	-17.5	08-Nov	-20.8	22-Nov	-23.9	06-Dec	-23.6	20-Dec	-24.9	03-Jan	-23.5	17-Jan	-24.6	31-Jan										
Oliver east	Pinot blanc	-18.6	08-Nov	-21.4	22-Nov	-23.8	06-Dec	-24.4	20-Dec	-24.8	03-Jan	-25.9	17-Jan	-24.2	31-Jan										
Oliver east	Pinot gris	-18.1	03-Nov	-21.8	17-Nov	-23.2	01-Dec	-27.3	15-Dec			-25.6	12-Jan												
Black Sage	Pinot gris	-17.9	08-Nov	-21.2	22-Nov	-24.6	06-Dec		20-Dec	-26.6	03-Jan	-25.0	17-Jan	-25.7	31-Jan										
Naramata bench	Pinot gris	-16.0	08-Nov	-15.7	22-Nov	-21.9	06-Dec	-23.9	20-Dec	-25.3	03-Jan	-23.9	17-Jan	-23.7	31-Jan										
OK Falls, east	Pinot gris	-18.9	08-Nov	-21.6	22-Nov	-24.2	06-Dec	-23.3	20-Dec	-27.0	03-Jan	-25.1	17-Jan	-24.5	31-Jan										
Oliver east	Pinot gris	-18.1	08-Nov	-21.3	22-Nov	-23.7	06-Dec	-25.2	20-Dec	-25.5	03-Jan	-24.2	17-Jan	-24.9	31-Jan										
Naramata bench	Pinot noir	-15.5	08-Nov	-16.6	22-Nov	-22.5	06-Dec	-24.1	20-Dec	-25.5	03-Jan	-25.7	17-Jan	-23.9	31-Jan										
Black Sage	Pinot noir	-17.5	08-Nov	-21.9	22-Nov	-23.8	06-Dec	-25.1	20-Dec	-26.1	03-Jan	-23.8	17-Jan	-24.5	31-Jan										
Kelowna	Pinot noir	-16.2	08-Nov	-17.2	22-Nov	-22.0	06-Dec	-24.8	20-Dec	-25.8	03-Jan	-24.7	17-Jan	-24.3	31-Jan										
Osoyoos northeast	Pinot noir	-18.3	08-Nov	-21.2	22-Nov	-23.6	06-Dec	-24.4	20-Dec	-27.0	03-Jan		17-Jan	-24.3	31-Jan										
Naramata bench	Riesling	-15.6	08-Nov	-17.6	22-Nov	-23.2	06-Dec	-25.0	20-Dec	-26.5	03-Jan	-25.8	17-Jan	-24.6	31-Jan										
Black Sage	Riesling	-18.3	08-Nov	-22.2	22-Nov	-24.3	06-Dec	-24.4	20-Dec	-23.9	03-Jan	-23.4	17-Jan	-24.6	31-Jan										
Black Sage	Riesling	-19.1	08-Nov	-23.4	22-Nov	-26.3	06-Dec	-26.8	20-Dec	-27.5	03-Jan	-23.6	17-Jan	-26.1	31-Jan										
West Kelowna	Riesling	-16.5	08-Nov	-15.9	22-Nov	-23.0	06-Dec	-24.6	20-Dec	-25.8	03-Jan	-25.2	17-Jan	-23.9	31-Jan										
Oliver east	Riesling	-17.8	08-Nov	-21.6	22-Nov	-23.5	06-Dec	-23.8	20-Dec	-25.3	03-Jan	-24.5	17-Jan	-23.6	31-Jan										
Oliver east	Sauvignon blanc	-17.9	08-Nov	-21.5	22-Nov	-23.5	06-Dec	-23.5	20-Dec	-25.3	03-Jan	-24.0	17-Jan	-21.8	31-Jan										
Oliver east	Sauvignon blanc	-17.5	08-Nov	-20.6	22-Nov	-23.0	06-Dec	-24.2	20-Dec	-26.7	03-Jan	-26.6	17-Jan	-22.9	31-Jan										
Osoyoos, southeast	Shiraz	-13.8	03-Nov	-18.0	17-Nov	-20.4	01-Dec	-22.6	15-Dec			-25.6	12-Jan												
Osoyoos, southeast	Shiraz	-14.0	03-Nov	-16.6	17-Nov	-20.3	01-Dec	-22.3	15-Dec				12-Jan												
Osoyoos, southeast	Shiraz	-16.7	08-Nov	-20.5	22-Nov	-23.2	06-Dec	-24.3	20-Dec	-26.0	03-Jan	-23.1	17-Jan	-23.9	31-Jan										
Black Sage	Shiraz	-16.1	08-Nov	-20.4	22-Nov	-23.7	06-Dec	-24.6	20-Dec	-25.0	03-Jan	-23.6	17-Jan	-23.8	31-Jan										
Osoyoos northeast	Shiraz	-14.5	08-Nov	-18.2	22-Nov	-21.1	06-Dec	-23.1	20-Dec	-24.0	03-Jan	-24.3	17-Jan	-22.3	31-Jan										
Osoyoos northeast	Shiraz	-16.0	08-Nov	-19.3	22-Nov	-21.6	06-Dec	-22.4	20-Dec	-24.2	03-Jan	-24.1	17-Jan	-22.5	31-Jan										
Osoyoos west	Viognier	-13.7	03-Nov	-20.0	17-Nov	-22.5	01-Dec	-27.1	15-Dec				12-Jan												
Average Bud Hardiness (all sites, all varieties)		-16.4		-20.0		-23.0		-24.2		-25.2		-24.8		-23.6											

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

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