

2015 - 2016 Winter Grape Bud Hardiness Okanagan Valley BC

Location	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			-16.0	05-Nov	-20.5	19-Nov	-22.4	03-Dec	-23.7	17-Dec			-22.3	14-Jan			-22.7	11-Feb						
Black Sage	Cabernet Franc	-14.1	27-Oct	-19.1	10-Nov	-22.1	24-Nov	-22.0	08-Dec	-23.4	22-Dec	-25.2	05-Jan	-23.3	19-Jan	-23.5	02-Feb	-21.6	16-Feb						
Oliver east	Cabernet Franc	-14.4	27-Oct	-18.1	10-Nov	-22.5	24-Nov	-21.8	08-Dec	-24.7	22-Dec	-25.2	05-Jan	-23.8	19-Jan	-24.3	02-Feb	-20.7	16-Feb						
Osoyoos, southeast	Cabernet Sauvignon			-17.2	10-Nov	-19.3	24-Nov	-21.0	08-Dec	-21.6	22-Dec	-24.1	05-Jan	-22.0	19-Jan	-22.3	02-Feb	-21.8	16-Feb						
Black Sage	Cabernet Sauvignon	-13.0	27-Oct	-16.6	10-Nov	-20.5	24-Nov	-20.6	08-Dec	-23.3	22-Dec	-23.9	05-Jan	-23.1	19-Jan	-21.4	02-Feb	-22.9	16-Feb						
Osoyoos northeast	Cabernet Sauvignon	-14.3	27-Oct	-18.6	10-Nov	-21.2	24-Nov	-20.8	08-Dec	-22.2	22-Dec	-24.5	05-Jan	-22.6	19-Jan	-23.2	02-Feb	-22.7	16-Feb						
Osoyoos northeast	Cabernet Sauvignon	-12.7	27-Oct	-17.6	10-Nov	-20.9	24-Nov	-21.8	08-Dec	-23.3	22-Dec	-24.4	05-Jan	-22.8	19-Jan	-22.9	02-Feb	-20.4	16-Feb						
Osoyoos, southeast	Chardonnay			-20.7	05-Nov	-22.2	19-Nov	-22.6	03-Dec	-23.9	17-Dec			-23.2	14-Jan			-20.4	11-Feb						
Black Sage	Chardonnay	-15.0	22-Oct	-19.0	05-Nov	-22.0	19-Nov	-23.0	03-Dec	-23.7	17-Dec			-23.2	14-Jan			-21.8	11-Feb						
Naramata bench	Chardonnay			-20.2	10-Nov	-22.1	24-Nov	-22.5	08-Dec	-22.0	22-Dec	-23.4	05-Jan	-23.2	19-Jan	-23.1	02-Feb	-20.6	16-Feb						
OK Falls, east	Chardonnay	-15.7	27-Oct	-22.0	10-Nov	-22.8	24-Nov	-23.5	08-Dec	-21.8	22-Dec	-24.3	05-Jan	-23.3	19-Jan	-22.3	02-Feb	-22.5	16-Feb						
Oliver east	Chardonnay	-16.5	27-Oct	-20.7	10-Nov	-23.3	24-Nov	-22.2	08-Dec	-23.4	22-Dec	-25.0	05-Jan	-23.9	19-Jan	-23.2	02-Feb	-24.3	16-Feb						
Kelowna	Gewurztraminer			-17.6	10-Nov	-20.2	24-Nov	-21.2	08-Dec	-21.1	22-Dec	-23.1	05-Jan	-21.6	19-Jan	-21.7	02-Feb	-22.2	16-Feb						
OK Falls, west	Gewurztraminer	-13.9	27-Oct	-19.6	10-Nov	-22.0	24-Nov	-21.6	08-Dec	-22.1	22-Dec	-23.7	05-Jan	-22.6	19-Jan	-23.5	02-Feb	-19.6	16-Feb						
Oliver east	Gewurztraminer	-16.7	27-Oct	-21.1	10-Nov	-22.6	24-Nov	-22.0	08-Dec	-22.6	22-Dec	-25.1	05-Jan	-23.8	19-Jan	-23.6	02-Feb	-21.2	16-Feb						
Osoyoos west	Merlot			-17.0	05-Nov	-20.1	19-Nov	-19.6	03-Dec	-22.8	17-Dec			-21.3	14-Jan			-23.1	11-Feb						
Oliver, west	Merlot	-12.8	27-Oct	-17.4	10-Nov	-20.3	24-Nov	-19.9	08-Dec	-22.5	22-Dec	-24.0	05-Jan	-21.5	19-Jan	-22.0	02-Feb	-21.8	16-Feb						
Osoyoos northeast	Merlot	-15.9	27-Oct	-19.7	10-Nov	-22.2	24-Nov	-22.2	08-Dec	-23.2	22-Dec	-24.0	05-Jan	-24.1	19-Jan	-23.1	02-Feb	-21.6	16-Feb						
Black Sage	Merlot	-14.4	27-Oct	-19.3	10-Nov	-21.1	24-Nov	-22.0	08-Dec	-21.9	22-Dec	-23.7	05-Jan	-21.7	19-Jan	-22.4	02-Feb	-22.4	16-Feb						
Black Sage	Pinot blanc	-14.0	27-Oct	-20.0	10-Nov	-22.1	24-Nov	-22.2	08-Dec	-23.3	22-Dec	-24.4	05-Jan	-23.5	19-Jan	-24.1	02-Feb	-23.8	16-Feb						
Oliver east	Pinot blanc	-18.3	27-Oct	-23.3	10-Nov	-23.8	24-Nov	-23.6	08-Dec	-23.1	22-Dec	-26.2	05-Jan	-24.1	19-Jan	-24.1	02-Feb	-22.5	16-Feb						
Oliver east	Pinot gris	-18.6	22-Oct	-21.0	05-Nov	-22.6	19-Nov	-23.8	03-Dec	-25.5	17-Dec			-24.5	14-Jan			-22.9	11-Feb						
Black Sage	Pinot gris	-15.2	27-Oct	-20.7	10-Nov	-23.6	24-Nov	-23.1	08-Dec	-23.0	22-Dec	-25.2	05-Jan	-24.4	19-Jan	-24.9	02-Feb	-22.1	16-Feb						
Naramata bench	Pinot gris			-18.3	10-Nov	-21.5	24-Nov	-21.2	08-Dec	-21.7	22-Dec	-23.0	05-Jan	-23.1	19-Jan	-22.7	02-Feb	-23.5	16-Feb						
OK Falls, east	Pinot gris	-17.2	27-Oct	-22.3	10-Nov	-23.6	24-Nov	-23.4	08-Dec	-23.9	22-Dec	-25.5	05-Jan	-22.7	19-Jan	-23.4	02-Feb	-22.6	16-Feb						
Oliver east	Pinot gris	-16.7	27-Oct	-21.8	10-Nov	-23.8	24-Nov	-23.9	08-Dec	-23.4	22-Dec	-26.2	05-Jan	-24.0	19-Jan	-24.1	02-Feb	-23.3	16-Feb						
Naramata bench	Pinot noir			-17.2	10-Nov	-21.7	24-Nov	-22.5	08-Dec	-22.2	22-Dec	-24.1	05-Jan	-23.2	19-Jan	-23.8	02-Feb	-20.6	16-Feb						
Black Sage	Pinot noir	-16.4	27-Oct	-20.2	10-Nov	-23.9	24-Nov	-23.9	08-Dec	-24.6	22-Dec	-25.8	05-Jan	-24.7	19-Jan	-24.0	02-Feb	-21.9	16-Feb						
Kelowna	Pinot noir			-20.9	10-Nov	-22.7	24-Nov	-21.7	08-Dec	-22.6	22-Dec	-24.1	05-Jan	-23.3	19-Jan	-23.3	02-Feb	-20.2	16-Feb						
Osoyoos northeast	Pinot noir	-15.9	27-Oct	-21.3	10-Nov	-22.7	24-Nov	-23.3	08-Dec	-23.5	22-Dec	-25.3	05-Jan	-23.4	19-Jan	-23.1	02-Feb	-22.0	16-Feb						
Naramata bench	Riesling			-19.0	10-Nov	-22.9	24-Nov	-23.7	08-Dec	-23.9	22-Dec	-26.0	05-Jan	-24.5	19-Jan	-23.6	02-Feb	-22.8	16-Feb						
Black Sage	Riesling	-16.1	27-Oct	-19.3	10-Nov	-22.7	24-Nov	-22.8	08-Dec	-23.1	22-Dec	-23.5	05-Jan	-24.2	19-Jan	-23.7	02-Feb	-22.6	16-Feb						
Black Sage	Riesling	-17.2	27-Oct	-21.4	10-Nov	-23.7	24-Nov	-24.5	08-Dec	-24.7	22-Dec	-24.5	05-Jan	-25.2	19-Jan	-25.0	02-Feb	-22.8	16-Feb						
West Kelowna	Riesling			-19.9	10-Nov	-23.3	24-Nov	-23.2	08-Dec	-23.8	22-Dec	-25.3	05-Jan	-24.0	19-Jan	-23.3	02-Feb	-21.9	16-Feb						
Oliver east	Riesling	-17.7	27-Oct	-21.2	10-Nov	-23.5	24-Nov	-22.3	08-Dec	-24.2	22-Dec	-26.1	05-Jan	-24.2	19-Jan	-24.5	02-Feb	-22.2	16-Feb						
Oliver east	Sauvignon blanc	-14.3	27-Oct	-18.8	10-Nov	-21.8	24-Nov	-22.0	08-Dec	-22.7	22-Dec	-24.1	05-Jan	-22.5	19-Jan	-22.1	02-Feb	-21.8	16-Feb						
Oliver east	Sauvignon blanc	-14.7	27-Oct	-20.3	10-Nov	-22.2	24-Nov	-22.0	08-Dec	-22.6	22-Dec	-24.5	05-Jan	-22.9	19-Jan	-22.3	02-Feb	-23.7	16-Feb						
Osoyoos, southeast	Shiraz			-15.6	05-Nov	-19.5	19-Nov	-21.4	03-Dec	-22.5	17-Dec			-21.0	14-Jan			-21.9	11-Feb						
Osoyoos, southeast	Shiraz			-13.5	05-Nov	-18.5	19-Nov	-20.8	03-Dec	-22.3	17-Dec			-20.9	14-Jan			-22.2	11-Feb						
Osoyoos, southeast	Shiraz			-19.0	10-Nov	-21.1	24-Nov	-21.3	08-Dec	-21.7	22-Dec	-24.6	05-Jan	-23.3	19-Jan	-22.7	02-Feb	-21.0	16-Feb						
Black Sage	Shiraz	-12.9	27-Oct	-18.5	10-Nov	-20.8	24-Nov	-19.6	08-Dec	-23.1	22-Dec	-23.0	05-Jan	-23.0	19-Jan	-22.3	02-Feb	-22.0	16-Feb						
Osoyoos northeast	Shiraz	-12.8	27-Oct	-15.4	10-Nov	-20.3	24-Nov	-20.3	08-Dec	-22.0	22-Dec	-23.6	05-Jan	-21.3	19-Jan	-22.1	02-Feb	-22.5	16-Feb						
Osoyoos northeast	Shiraz	-14.5	27-Oct	-17.6	10-Nov	-20.8	24-Nov	-20.4	08-Dec	-22.5	22-Dec	-23.7	05-Jan	-22.6	19-Jan	-22.1	02-Feb	-23.4	16-Feb						
Osoyoos west	Viognier			-17.2	05-Nov	-22.2	19-Nov	-22.7	03-Dec	-24.5	17-Dec			-22.0	14-Jan			-21.6	11-Feb						
Average Bud Hardiness (all sites, all varieties)		-15.2		-19.1		-21.9		-22.1		-23.0		-24.5		-23.1		-23.2		-22.1							

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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