

2015 - 2016 Winter Grape Bud Hardiness Okanagan Valley BC

Location	Variety	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm	Avg LTE	sample date dd-mm
Osoyoos, southeast	Cabernet Franc			-16.0	05-11	-20.5	19-11																
Black Sage	Cabernet Franc	-14.1	27-10	-19.1	10-11	-22.1	24-11																
Oliver east	Cabernet Franc	-14.4	27-10	-18.1	10-11	-22.5	24-11																
Osoyoos, southeast	Cabernet Sauvignon			-17.2	10-11	-19.3	24-11																
Black Sage	Cabernet Sauvignon	-13.0	27-10	-16.6	10-11	-20.5	24-11																
Osoyoos northeast	Cabernet Sauvignon	-14.3	27-10	-18.6	10-11	-21.2	24-11																
Osoyoos northeast	Cabernet Sauvignon	-12.7	27-10	-17.6	10-11	-20.9	24-11																
Osoyoos, southeast	Chardonnay			-20.7	05-11	-22.2	19-11																
Black Sage	Chardonnay	-15.0	27-10	-19.0	05-11	-22.0	19-11																
Naramata bench	Chardonnay			-20.2	10-11	-22.1	24-11																
OK Falls, east	Chardonnay	-15.7	27-10	-22.0	10-11	-22.8	24-11																
Oliver east	Chardonnay	-16.5	27-10	-20.7	10-11	-23.3	24-11																
Kelowna	Gewurztraminer			-17.6	10-11	-20.2	24-11																
OK Falls, west	Gewurztraminer	-13.9	27-10	-19.6	10-11	-22.0	24-11																
Oliver east	Gewurztraminer	-16.7	27-10	-21.1	10-11	-22.6	24-11																
Osoyoos west	Merlot			-17.0	05-11	-20.1	19-11																
Oliver, west	Merlot	-12.8	27-10	-17.4	10-11	-20.3	24-11																
Osoyoos northeast	Merlot	-15.9	27-10	-19.7	10-11	-22.2	24-11																
Black Sage	Merlot	-14.4	27-10	-19.3	10-11	-21.1	24-11																
Black Sage	Pinot blanc	-14.0	27-10	-20.0	10-11	-22.1	24-11																
Oliver east	Pinot blanc	-18.3	27-10	-23.3	10-11	-23.8	24-11																
Oliver east	Pinot gris	-18.6	27-10	-21.0	05-11	-22.6	19-11																
Black Sage	Pinot gris	-15.2	27-10	-20.7	10-11	-23.6	24-11																
Naramata bench	Pinot gris			-18.3	10-11	-21.5	24-11																
OK Falls, east	Pinot gris	-17.2	27-10	-22.3	10-11	-23.6	24-11																
Oliver east	Pinot gris	-16.7	27-10	-21.8	10-11	-23.8	24-11																
Naramata bench	Pinot noir			-17.2	10-11	-21.7	24-11																
Black Sage	Pinot noir	-16.4	27-10	-20.2	10-11	-23.9	24-11																
Kelowna	Pinot noir			-20.9	10-11	-22.7	24-11																
Osoyoos northeast	Pinot noir	-15.9	27-10	-21.3	10-11	-22.7	24-11																
Naramata bench	Riesling			-19.0	10-11	-22.9	24-11																
Black Sage	Riesling	-16.1	27-10	-19.3	10-11	-22.7	24-11																
Black Sage	Riesling	-17.2	27-10	-21.4	10-11	-23.7	24-11																
West Kelowna	Riesling			-19.9	10-11	-23.3	24-11																
Oliver east	Riesling	-17.7	27-10	-21.2	10-11	-23.5	24-11																
Oliver east	Sauvignon blanc	-14.3	27-10	-18.8	10-11	-21.8	24-11																
Oliver east	Sauvignon blanc	-14.7	27-10	-20.3	10-11	-22.2	24-11																
Osoyoos, southeast	Shiraz			-15.6	05-11	-19.5	19-11																
Osoyoos, southeast	Shiraz			-13.5	05-11	-18.5	19-11																
Osoyoos, southeast	Shiraz			-19.0	10-11	-21.1	24-11																
Black Sage	Shiraz	-12.9	27-10	-18.5	10-11	-20.8	24-11																
Osoyoos northeast	Shiraz	-12.8	27-10	-15.4	10-11	-20.3	24-11																
Osoyoos northeast	Shiraz	-14.5	27-10	-17.6	10-11	-20.8	24-11																
Osoyoos west	Viognier			-17.2	05-11	-22.2	19-11																
Average Bud Hardiness (all sites, all varieties)		-15.2		-19.1		-21.9																	

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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