

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

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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