

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

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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