

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 | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Cabernet Franc | -16.1 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Cabernet Franc | -17.7 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos, southeast | Cabernet Sauvignon | -12.9 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Cabernet Sauvignon | -15.2 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos northeast | Cabernet Sauvignon | -17.4 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos northeast | Cabernet Sauvignon | -15.1 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos, southeast | Chardonnay | -16.7 | 03-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Chardonnay | -17.4 | 03-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Naramata bench | Chardonnay | -16.1 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| OK Falls, east | Chardonnay | -17.2 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Chardonnay | -18.8 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Kelowna | Gewurztraminer | -15.3 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| OK Falls, west | Gewurztraminer | -15.2 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Gewurztraminer | -17.6 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos west | Merlot | -12.8 | 03-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver, west | Merlot | -14.0 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos northeast | Merlot | -14.4 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Merlot | -17.6 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Pinot blanc | -17.5 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Pinot blanc | -18.6 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Pinot gris | -18.1 | 03-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Pinot gris | -17.9 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Naramata bench | Pinot gris | -16.0 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| OK Falls, east | Pinot gris | -18.9 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Pinot gris | -18.1 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Naramata bench | Pinot noir | -15.5 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Pinot noir | -17.5 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Kelowna | Pinot noir | -16.2 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos northeast | Pinot noir | -18.3 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Naramata bench | Riesling | -15.6 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Riesling | -18.3 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Riesling | -19.1 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| West Kelowna | Riesling | -16.5 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Riesling | -17.8 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Sauvignon blanc | -17.9 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Oliver east | Sauvignon blanc | -17.5 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos, southeast | Shiraz | -13.8 | 03-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos, southeast | Shiraz | -14.0 | 03-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos, southeast | Shiraz | -16.7 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Black Sage | Shiraz | -16.1 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos northeast | Shiraz | -14.5 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos northeast | Shiraz | -16.0 | 08-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Osoyoos west | Viognier | -13.7 | 03-Nov | | | | | | | | | | | | | | | | | | | | | | |
| Average Bud Hardiness (all sites, all varieties) | | -16.4 | | | | | | | | | | | | | | | | | | | | | | | |

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

Carl Bogdanoff - Summerland RDC Wine Grape Research