

Grapevine Bud Hardiness in the Okanagan Valley, BC, 2022-2023. Steve Marsh, Agriculture and Agri-Food Canada, Summerland, BC.

Variety	Location	sample day	Avg LTE ₅₀ (Nov 2,3)	Avg LTE ₅₀ (Nov 8,9)	Avg LTE ₅₀ (Nov)	Avg LTE ₅₀ (Dec)	Avg LTE ₅₀ (Dec)	Avg LTE ₅₀ (Jan)	Avg LTE ₅₀ (Jan)	Avg LTE ₅₀ (Feb)	Avg LTE ₅₀ (Feb)	Avg LTE ₅₀ (Mar)	Avg LTE ₅₀ (Mar)	Avg LTE ₅₀ (Apr)
Cabernet Sauv	Osoyoos northeast	Wed	-15.3	-17.0										
Cabernet Sauv	Black Sage	Thur	-12.3	-18.1										
Cabernet Sauv	Osoyoos southeast	Thur	-14.3	-15.7										
Cabernet Sauv	Black Sage	Wed		-17.6										
Chardonnay	OK Falls east	Wed	-16.1	-19.3										
Chardonnay	Naramata Bench	Wed	-12.9	-17.2										
Chardonnay	Osoyoos southeast	Thur	-16.7	-20.0										
Chardonnay	Oliver south	Thur	-17.5	-19.9										
Merlot	Osoyoos northeast	Thur	-16.1	-18.8										
Merlot	Naramata Bench	Wed	-13.0	-18.2										
Merlot	Osoyoos southeast	Thur	-15.3	-18.0										
Merlot	Black Sage	Thur	-14.4	-14.3										
Pinot gris	Oliver east	Wed	-14.8	-19.9										
Pinot gris	OK Falls east	Wed	-16.7	-21.1										
Pinot gris	Naramata Bench	Wed	-15.5	-19.2										
Pinot gris	Black Sage	Wed	-16.9	-18.8										
Pinot noir	OK Falls east	Wed	-17.9											
Pinot noir	Naramata Bench	Wed	-16.4	-20.5										
Pinot noir	Black Sage	Thur	-18.0	-19.8										
Riesling	Naramata Bench	Wed	-14.6	-18.3										
Riesling	Black Sage	Wed	-13.0	-17.7										
Riesling	Black Sage	Wed		-18.2										
Sauvignon blanc	Oliver east	Thur	-13.7	-18.1										
Sauvignon blanc	Black Sage	Thur	-14.6	-16.0										
Sauvignon blanc	Black Sage	Wed	-15.2	-17.9										
Sauvignon blanc	Oliver east	Wed	-13.6	-17.6										
Shiraz	Osoyoos northeast	Wed	-13.7	-16.7										
Shiraz	Osoyoos northeast	Thur	-14.5	-17.1										
Shiraz	Osoyoos southeast	Thur	-14.2	-17.1										
Shiraz	Black Sage	Wed	-13.7	-18.0										

LTE: Lethal temperature exotherm (°C). AVG LTE₅₀: Average lethal temperature exotherm at 50% bud mortality for buds collected from 3 vines at selected sites in the Okanagan Valley.