

Grapevine Bud Hardiness in the Okanagan and Similkameen Valleys, BC, 2023-2024. Steve Marsh, Agriculture and Agri-Food Canada, Summerland, BC.

Variety	Location	sample day	Avg LTE50 (Nov 15,16)	Avg LTE50 (Nov 29,30)	Avg LTE50 (Dec 13,14)	Avg LTE50 (Jan 10,11)	Avg LTE50 (Jan 24,25)	Avg LTE50 (Feb 7,8)	Avg LTE50 (Feb 21,22)	Avg LTE50 (Mar 6,7)	Avg LTE50 (Mar 20,21)
Cabernet Franc	Black Sage	Thurs	.	-21.9	-23.0	-23.5	.				
Cabernet Franc	North Kelowna	Wed	-17.6	-22.5	-22.8	-22.8	NA				
Cabernet Franc	Similkameen	Thurs	-22.5	-24.6	-24.1	-25.3	.				
Cabernet Sauvignon	Similkameen	Thurs	-19.9	-21.6	-23.0	-24.4	.				
Chardonnay	East Kelowna	Wed	-19.7	-22.0	-23.1	-22.9	NA				
Chardonnay	Similkameen	Thurs	-22.8	-24.4	-24.3	-24.8	.				
Chardonnay	West Kelowna	Wed	-19.6	-21.0	.	.	NA				
Chardonnay	West Kelowna	Wed	.	-22.0	-22.8	-23.4	NA				
Chenin blanc	Peachland	Wed	-20.9	-22.7	-23.0	-22.5	NA				
Gamay noir	West Kelowna	Wed	.	-21.1	-22.1	-22.5	NA				
Gewurztraminer	Oliver North	Thurs	.	-23.3	-25.0	-24.7	.				
Marechal Foch	East Kelowna	Wed	-25.3	-25.5	-26.8	-23.4	.				
Marechal Foch	South Kelowna	Wed	.	.	.	.	-25.5				
Marquette	West Kelowna	Wed	.	-26.3	-23.6	-25.8	-23.0				
Marquette	West Kelowna	Wed	.	.	.	.	-24.5				
Marquette	West Kelowna	Wed	.	.	.	.	-24.6				
Marquette	South Kelowna	Wed	.	.	.	.	-24.3				
Marquette	Peachland	Wed	.	.	.	.	-24.4				
Marsanne	West Kelowna	Wed	.	-24.2	-22.5	-23.2	NA				
Merlot	Black Sage	Thurs	.	-22.1	-21.0	-22.8	.				
Merlot	Lake Country	Wed	.	-21.2	-20.7	-19.9	NA				
Merlot	Similkameen	Thurs	-18.9	-19.5	-21.7	-21.6	.				
Merlot	Similkameen	Thurs	.	-20.4	-20.6	-22.5	.				
Muscat	Peachland	Wed	-22.6	-22.7	-23.1	-23.4	NA				
Muscat	West Kelowna	Wed	.	-19.3	-21.1	-20.6	NA				
Petit Verdot	Similkameen	Thurs	-20.9	-22.7	-23.4	-23.4	.				
Pinot blanc	Similkameen	Thurs	.	-22.7	-22.7	-23.8	.				
Pinot blanc	South Kelowna	Wed	.	-21.6	-22.0	-22.3	.				
Pinot blanc	West Kelowna	Wed	.	-22.4	-22.9	-22.3	NA				
Pinot gris	East Kelowna	Wed	-22.2	-23.6	-23.5	-23.7	NA				
Pinot gris	Similkameen	Thurs	-21.4	-23.2	-23.2	-25.0	.				
Pinot noir	East Kelowna	Wed	-22.9	-24.4	-24.2	-25.1	NA				
Pinot noir	East Kelowna	Wed	-22.2	-24.6	-24.9	-23.7	NA				
Pinot noir	Lake Country	Wed	.	-21.3	-21.6	-22.0	NA				
Pinot noir	South Kelowna	Wed	.	-22.1	-22.3	-21.7	.				
Riesling	East Kelowna	Wed	-22.6	-24.4	-25.7	-24.5	NA				
Riesling	East Kelowna	Wed	-21.0	-21.9	-22.9	-23.5	NA				
Riesling	South Kelowna	Wed	.	-22.3	-23.0	-23.2	.				
Sauvignon blanc	Oliver North	Thurs	.	-22.0	-22.3	-23.0	.				
Syrah	Similkameen	Thurs	-18.9	-20.6	-22.1	-22.3	.				
Teroldego	Similkameen	Thurs	-20.0	-22.5	-23.0	-23.5	.				
Viognier	Lake Country	Wed	.	-21.1	-21.3	-21.3	NA				

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 and Similkameen Valleys.