Grapevine Bud Hardiness in the Okanagan and Similkameen Valleys, BC, 2026-2027. Steve Marsh, Agriculture and Agri-Food Canada, Summerland, BC.

Variety	Location	sample day	LTE10 (Nov 3,4)	LTE10 (Nov 17,18)	LTE10 (Dec 1,2)	LTE10 (Dec 15,16)	LTE10 (Jan 5,6)	LTE10 (Jan 19,20)	LTE10 (Feb 2,3)	LTE10 (Feb 16,17)
Cabernet Franc	Black Sage	Tues	-18.35	-21.00						
Cabernet Franc	East Kelowna	Wed	.	-16.85						
Cabernet Franc	Similkameen	Wed	-15.49	-19.78						
Cabernet Sauvignon	Black Sage	Tues	-16.52	-18.74						
Cabernet Sauvignon	Similkameen	Wed	-15.90	-19.45						
Chardonnay	East Kelowna	Wed	.	-17.55						
Chardonnay	Oliver	Tues	-18.37	-21.84						
Chardonnay	Similkameen	Wed	-19.73	-21.84						
Chardonnay	Summerland	Tues	-15.47	-17.69						
Chenin blanc	Peachland	Wed	.	-16.12						
Frontenac blanc	Similkameen	Wed	-18.83	-20.61						
Gamay noir	Similkameen	Wed	-15.14	-18.67						
Gamay noir	South Kelowna	Wed	.	-16.41						
Gamay noir	Summerland	Tues	-16.49	-19.79						
Gewurztraminer	Kaleden	Tues	-14.17	-19.06						
Malbec	Similkameen	Wed	-15.37	-17.72						
Malbec	South Kelowna	Wed	.	-19.45						
Marachel Foch	East Kelowna	Wed	.	.						
Marquette	Peachland	Wed	.	-21.27						
Marquette	Similkameen	Wed	-23.02	-17.25						
Merlot	Black Sage	Tues	-14.13	-17.09						
Merlot	Similkameen	Wed	-17.35	-20.97						
Merlot	Summerland	Wed	-14.59	-15.53						
Petit Meunier	South Kelowna	Wed	.	-16.93						
Pinot gris	Kaleden	Tues	-15.60	-17.42						
Pinot gris	Oliver	Tues	-20.36	-20.84						
Pinot gris	Similkameen	Wed	-18.44	-19.14						
Pinot gris	South Kelowna	Wed	.	-15.95						
Pinot gris	Summerland	Tues	-15.87	-17.56						
Pinot Meunier	Summerland	Tues	-15.75	-17.66						
Pinot noir	East Kelowna	Wed	.	-18.60						
Pinot noir	East Kelowna	Wed	.	-18.31						
Pinot noir	Similkameen	Wed	-16.38	-20.77						
Pinot noir	South Kelowna	Wed	.	-17.66						
Pinot noir	Summerland	Tues	-16.05	-20.56						
Riesling	Black Sage	Tues	-14.14	-19.92						
Riesling	East Kelowna	Wed	.	-15.93						
Riesling	East Kelowna	Wed	.	-18.40						
Riesling	Oliver	Tues	-20.71	-21.86						
Riesling	Similkameen	Wed	-20.43	-22.63						
Sauvignon blanc	Black Sage	Tues	-14.74	-16.75						
Sauvignon blanc	Oliver	Tues	-17.18	-20.59						
Sauvignon blanc	Similkameen	Wed	-17.95	-19.43						
Syrah	Black Sage	Tues	-14.13	-15.38						
Syrah	Similkameen	Wed	-12.52	-15.89						
Viognier	Black Sage	Tues	-16.00	-18.83						

LTE: Lethal temperature exotherm (˚C). AVG LTE10: Average lethal temperature exotherm at 10% bud mortality for buds collected from 3 vines .

at selected sites in the Okanagan and Similkameen Valleys

* if the peak count for 15 buds was below 10 peaks then no LTE10 or LTE 90 are recorded just LTE 50.

Grapevine Bud Hardiness in the Okanagan and Similkameen Valleys, BC, 2026-2027. Steve Marsh, Agriculture and Agri-Food Canada, Summerland, BC.

Variety	Location	sample day	LTE50 (Nov 3,4)	LTE50 (Nov 17,18)	LT50 (Dec 1,2)	LTE50 (Dec 15,16)	LTE50 (Jan 5,6)	LTE50 (Jan 19,20)	LTE50 (Feb 2,3)	LTE50 (Feb 16,17)
Cabernet Franc	Black Sage	Tues	-20.06	-22.94						
Cabernet Franc	East Kelowna	Wed	.	-17.97						
Cabernet Franc	Similkameen	Wed	-16.98	-20.77						
Cabernet Sauvignon	Black Sage	Tues	-18.54	-19.40						
Cabernet Sauvignon	Similkameen	Wed	-17.62	-20.58						
Chardonnay	East Kelowna	Wed	.	-19.53						
Chardonnay	Oliver	Tues	-21.26	-22.76						
Chardonnay	Similkameen	Wed	-21.48	-23.59						
Chardonnay	Summerland	Tues	-17.97	-20.52						
Chenin blanc	Peachland	Wed	.	-18.90						
Frontenac blanc	Similkameen	Wed	-21.97	-23.42						
Gamay noir	Similkameen	Wed	-18.85	-21.39						
Gamay noir	South Kelowna	Wed	.	-17.44						
Gamay noir	Summerland	Tues	-17.82	-20.85						
Gewurztraminer	Kaleden	Tues	-15.57	-19.84						
Malbec	Similkameen	Wed	-17.07	-20.55						
Malbec	South Kelowna	Wed	.	-21.46						
Marachel Foch	East Kelowna	Wed	.	.						
Marquette	Peachland	Wed	.	-23.82						
Marquette	Similkameen	Wed	-24.26	-23.34						
Merlot	Black Sage	Tues	-15.58	-19.17						
Merlot	Similkameen	Wed	-18.85	-22.39						
Merlot	Summerland	Wed	-16.18	-18.56						
Petit Meunier	South Kelowna	Wed	.	-17.91						
Pinot gris	Kaleden	Tues	-18.27	-18.71						
Pinot gris	Oliver	Tues	-21.68	-23.25						
Pinot gris	Similkameen	Wed	-20.10	-22.65						
Pinot gris	South Kelowna	Wed	.	-19.09						
Pinot gris	Summerland	Tues	-17.88	-18.62						
Pinot Meunier	Summerland	Tues	-17.53	-18.45						
Pinot noir	East Kelowna	Wed	.	-20.29						
Pinot noir	East Kelowna	Wed	.	-19.65						
Pinot noir	Similkameen	Wed	-19.40	-22.27						
Pinot noir	South Kelowna	Wed	.	-19.32						
Pinot noir	Summerland	Tues	-16.61	-20.96						
Riesling	Black Sage	Tues	-18.16	-22.15						
Riesling	East Kelowna	Wed	.	-19.29						
Riesling	East Kelowna	Wed	.	-20.94						
Riesling	Oliver	Tues	-22.40	-23.34						
Riesling	Similkameen	Wed	-21.88	-23.73						
Sauvignon blanc	Black Sage	Tues	-15.53	-18.34						
Sauvignon blanc	Oliver	Tues	-19.03	-21.55						
Sauvignon blanc	Similkameen	Wed	-19.19	-21.28						
Syrah	Black Sage	Tues	-15.70	-17.58						
Syrah	Similkameen	Wed	-14.79	-18.59						
Viognier	Black Sage	Tues	-18.69	-20.71						

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Grapevine Bud Hardiness in the Okanagan and Similkameen Valleys, BC, 2026-2027. Steve Marsh, Agriculture and Agri-Food Canada, Summerland, BC.

Variety	Location	sample day	LTE90 (Nov 3,4)	LTE90 (Nov 17,18)	LT90 (Dec 1,2)	LTE90 (Dec 15,16)	LTE90 (Jan 5,6)	LTE90 (Jan 19,20)	LTE90 (Feb 2,3)	LTE90 (Feb 16,17)
Cabernet Franc	Black Sage	Tues	-21.87	-25.74						
Cabernet Franc	East Kelowna	Wed	.	-19.53						
Cabernet Franc	Similkameen	Wed	-18.12	-21.31						
Cabernet Sauvignon	Black Sage	Tues	-20.35	-20.13						
Cabernet Sauvignon	Similkameen	Wed	-18.93	-21.52						
Chardonnay	East Kelowna	Wed	.	-22.02						
Chardonnay	Oliver	Tues	-23.18	-23.68						
Chardonnay	Similkameen	Wed	-23.96	-25.72						
Chardonnay	Summerland	Tues	-19.65	-22.34						
Chenin blanc	Peachland	Wed	.	-21.42						
Frontenac blanc	Similkameen	Wed	-24.37	-25.61						
Gamay noir	Similkameen	Wed	-20.36	-22.67						
Gamay noir	South Kelowna	Wed	.	-18.94						
Gamay noir	Summerland	Tues	-19.61	-22.24						
Gewurztraminer	Kaleden	Tues	-17.78	-20.84						
Malbec	Similkameen	Wed	-18.74	-22.69						
Malbec	South Kelowna	Wed	.	-22.96						
Marachel Foch	East Kelowna	Wed	.	.						
Marquette	Peachland	Wed	.	-26.15						
Marquette	Similkameen	Wed	-26.26	-26.16						
Merlot	Black Sage	Tues	-18.47	-21.59						
Merlot	Similkameen	Wed	-20.86	-23.29						
Merlot	Summerland	Wed	-17.57	-20.95						
Petit Meunier	South Kelowna	Wed	.	-19.01						
Pinot gris	Kaleden	Tues	-20.87	-21.20						
Pinot gris	Oliver	Tues	-22.74	-25.58						
Pinot gris	Similkameen	Wed	-21.18	-24.05						
Pinot gris	South Kelowna	Wed	.	-21.14						
Pinot gris	Summerland	Tues	-20.53	-19.65						
Pinot Meunier	Summerland	Tues	-19.33	-19.10						
Pinot noir	East Kelowna	Wed	.	-21.89						
Pinot noir	East Kelowna	Wed	.	-20.82						
Pinot noir	Similkameen	Wed	-20.97	-23.27						
Pinot noir	South Kelowna	Wed	.	-20.23						
Pinot noir	Summerland	Tues	-17.15	-21.43						
Riesling	Black Sage	Tues	-19.95	-24.08						
Riesling	East Kelowna	Wed	.	-22.70						
Riesling	East Kelowna	Wed	.	-23.21						
Riesling	Oliver	Tues	-23.95	-24.68						
Riesling	Similkameen	Wed	-23.35	-25.11						
Sauvignon blanc	Black Sage	Tues	-16.91	-19.34						
Sauvignon blanc	Oliver	Tues	-20.29	-23.52						
Sauvignon blanc	Similkameen	Wed	-20.61	-22.64						
Syrah	Black Sage	Tues	-16.95	-18.53						
Syrah	Similkameen	Wed	-16.68	-20.21						
Viognier	Black Sage	Tues	-20.78	-22.60						

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