



VineAlert Grape Bud Survival Results 2015/16

March 20, 2016



The most recent data in the below charts reflect samples that were collected from March 1 to March 8, 2016 and will only reflect the damage present up to each location sample date.

NIAGARA RIVER

The Niagara River sub-appellation is a small strip of land running along the Niagara river from old town Niagara-on-the-Lake south to Queenston and inland (west) approximately one kilometer.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	NR1	Y	99	95	90
	NR2	Y	100	-	78
Cabernet Franc	NR1	Y	100	93	92
	NR2	Y	98	-	72
Syrah	NR2	Y	99	93	71
Sauvignon Blanc	NR2	Y	98	94	74
Riesling	NR1	Y	100	96	91

NIAGARA LAKESHORE

Niagara Lakeshore sub-appellation follows the shoreline of Lake Ontario from the Welland Canal east to the Niagara River and inland for approximately 3 kilometers.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	NL1	N	98	96	87
	NL2	Y	100	-	84
Cabernet Franc	NL1	Y	99	94	88
	NL2	Y	98	-	83
Merlot	NL1	Y	97	99	92
	NL3	Y	-	-	
Pinot Noir	NL3	N	100	95	79

FOUR MILE CREEK

The Four Mile Creek sub-appellation makes up central Niagara-on-the-Lake. It lies slightly inland from the lake and below the bench of the Niagara Escarpment.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	FMC1	Y	99	-	95
	FMC2	Y	100	99	85
Cabernet Franc	FMC1	Y	100	-	87
	FMC2	Y	100	94	70
	FMC4	Y	-	-	-
	FMC5	Y	-	-	--
Merlot	FMC4	Y	100	-	89
	FMC6	Y	-	-	-
Pinot Noir	FMC4	Y	100	-	90
Sauvignon Blanc	FMC4	Y	94	-	81
Riesling	FMC4	Y	92	-	86
	FMC5	Y	-	-	-
Cabernet Sauvignon	FMC4	Y	95	-	92

ST. DAVID'S BENCH

St. David's Bench lies 10 km south of the shore of Lake Ontario and follows the contour lines that define the Niagara escarpment east of the Welland Canal to the Niagara River, with a complex topography.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	SDB1	Y	100	95	76
	SDB2	N	99	-	98
	SDB3	Y	-	-	-
Cabernet Franc	SDB1	Y	100	94	76
	SDB2	N	100	-	93
Merlot	SDB1	Y	100	99	83
Pinot Noir	SDB1	Y	100	94	81
	SDB3	Y	-	-	-
Syrah	SDB3	Y	86	-	72
Sauvignon Blanc	SDB1	Y	100	97	78

CREEK SHORES

The Creek Shores sub-appellation is situated immediately west of St. Catharines with Lake Ontario to the north, Twelve Mile Creek to the east, Twenty Mile Creek and Jordan Harbour to the west.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	CS1	N	100	-	82
	CS2	N	100	97	81
Cabernet Franc	CS2	N	100	97	81
	CS3	Y	100	-	74
Merlot	CS1	N	99	94	90
Pinot Noir	CS1	N	100	96	89
Syrah	CS1	N	88	81	78
Riesling	CS4	N	99	94	85
Cabernet Sauvignon	CS4	N	100	99	76

SHORT HILLS BENCH

Short Hills Bench sub-appellation encompasses the land rising up from the plain of the peninsula (south of the Regional Road 81) to the Escarpment Brow and situated between Twelve Mile Creek and Fifteen Mile Creek.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	SHB1	Y	99	-	85
	SHB2	Y	99	94	76
Cabernet Franc	SHB1	Y	100	-	77
	SHB2	Y	100	96	77
Merlot	SHB1	Y	94	-	68
Sauvignon Blanc	SHB1	Y	100	97	68
Riesling	SHB1	Y	98	-	88

TWENTY MILE BENCH

The Twenty Mile Bench area stretches east to west from Fifteen Mile Creek to west of Cherry Avenue (Vineland). Bisected by Twenty Mile Creek, it has a distinctive double bench formation west of Twenty Mile Creek, and short, varied slopes that roll to the brow of the escarpment.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	TMB1	Y	100	96	82
	TMB2	N	100	-	76
Cabernet Franc	TMB1	Y	99	96	89
	TMB2	N	99	-	72
Sauvignon Blanc	TMB1	Y	99	97	65

LINCOLN LAKESHORE

The Lincoln Lakeshore sub-appellation runs along the Lake Ontario shore from Winona Road to Jordan Harbour and Twenty Mile Creek. This area is backed by the foot of the escarpment bench on its south boundary.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	LL1	N	100	91	74
	LL2	N	99	-	86
Cabernet Franc	LL1	N	98	89	80
	LL2	N	100	-	81
Merlot	LL2	N	100	95	73
Pinot Noir	LL2	N	100	95	55
Riesling	LL3	Y	92	-	88
Sauvignon blanc	LL3	Y	98	-	76
Cabernet Sauvignon	LL3	Y	86	-	86

BEAMSVILLE BENCH

The Beamsville Bench, runs along the Niagara escarpment from just west of Cherry Avenue to Park Road west of Beamville. This is the narrow plateau sloping gradually from the cliff of the Niagara Escarpment northwards to Regional Road 81.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	BB1	N	99	-	81
	BB2	N	96	97	84
Cabernet Franc	BB1	N	100	-	75
	BB2	N	99	93	83
Riesling	BB2	N	100	97	83

VINEMOUNT RIDGE

Vinemount Ridge lies just above and south of the brow of the Niagara Escarpment. This appellation covers two prominent geological features - the Fonthill Kame to the east and the Vinemount Moraine on its western edge.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016		
			Dec 7-15	Feb 1-11	Mar 1-8
Chardonnay	VR1	Y	99	-	71
	VR2	N	98	97	75
Cabernet Franc	VR1	Y	100	-	65
	VR2	N	100	95	65
Riesling	VR2	N	97	99	74

LAKE ERIE NORTH SHORE

COLCHESTER

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016	
			Dec 16	March 11
Chardonnay	LENS 4	Y	97	88
	LENS6	Y	100	89
Cabernet Franc	LENS1	Y	99	93
	LENS4	Y	99	89
Merlot	LENS4	Y	97	75
	LENS6	Y	98	82
Sauvignon blanc	LENS1	Y	95	76
Riesling	LENS4	Y	94	83
Cabernet Sauvignon	LENS6	Y	100	84
Gewurztraminer	LENS6	Y	99	86

KINGSVILLE

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016	
			Dec 16	March 11
Chardonnay	LENS3	Y	98	89
Cabernet franc	LENS3	Y	99	88

**PRINCE EDWARD COUNTY
HILLIER**

Note: Bud survival data in Prince Edward County are sampled from exposed canes and do not represent bud survival below ground on any buried canes.

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016	
			Jan 7	Feb 24
Chardonnay	PEC1	N	95	0
	PEC2	N	97	0
Cabernet Franc	PEC1	N	93	0
	PEC2	N	96	0
Pinot noir	PEC1	N	94	0
	PEC2	N	95	0
Riesling	PEC2	N	89	2

SOUTH BAY

Cultivar	Grower Code	WM Influence	% Primary Buds Alive 2016	
			Jan 7	Feb 24
Chardonnay	PEC1	Y	93	0
Cabernet Franc	PEC1	Y	92	0
Pinot noir	PEC1	Y	95	0

