

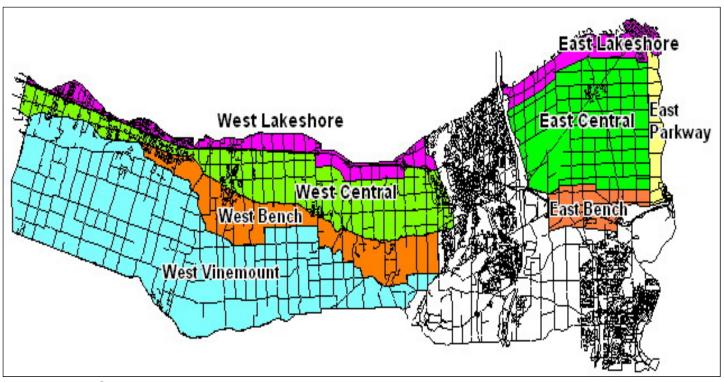
## Winter Injury Studies 2009/10 Grape Bud Survival February 1, 2010 (West) February 8, 2010 (East)





Grape bud sampling to establish winter survival is part of a – Ontario Grape & Wine Research Incorporated funded Winter Injury project. The tables in this article, report the sampling results based on the bud collection in the west end regions during the week of February 1<sup>st</sup>, 2010 and in the east end regions during the week of February 8<sup>th</sup>, 2010. However, the percent alive may vary up or down from the last sample due to the variation in the samples taken. The tables below are based on multiple samples and multiple sites within in area for each cultivar.

The Parkway zone runs approximately 1 km along the west side of the Niagara River from Niagara-on-the-Lake to Queenston; the Lakeshore zone is approximately 1 km south of the lake from the Niagara River to Grimsby; the Central zone continues south of the Lakeshore zone to the base of the escarpment; the Bench zone starts at the south side of the Central zone to the brink of the escarpment and the Vinemount zone runs south of the Bench Zone.



8 Sampling Zones Used

## % Live Buds - Vinifera – Feb 1, 2010 & Feb 8, 2010 (NS means no sample taken)

Cultivar	Location	West of Canal	East of Canal
		(Week of Feb 1/10)	(Week of Feb 8/10)
Cabernet Franc	Bench	68-74	92-95
	Central	67-85	84-86
	Lakeshore	84	82-86
	Parkway	NS	75-88
	Vinemount	77-78	NS
Cabernet Sauvignon	Bench	87	87
	Central	67-87	83-86
	Lakeshore	80-88	85-88
	Parkway	NS	81-86
	Vinemount	71-79	NS
Chardonnay	Bench	84-92	90-94
	Central	83-86	85-89
	Lakeshore	80-81	88
	Parkway	NS	78-79
	Vinemount	83-86	NS
Merlot	Bench	78-85	89-90
	Central	63-90	81-82
	Lakeshore	72-87	83-90
	Parkway	NS	82-83
	Vinemount	67-84	NS
Pinot Noir	Bench	76-85	89-93
	Central	79-85	85-87
	Lakeshore	75	86
	Parkway	NS	81-85
	Vinemount	76	NS
Riesling	Bench	80-88	92
	Central	76-89	81-83
	Lakeshore	83-90	75-85
	Parkway	NS	79-80
	Vinemount	90-91	NS
Sauvignon Blanc	Bench	64-79	87
	Central	65-82	76-77
	Lakeshore	84	77-79
	Parkway	NS	64-82
	Vinemount	76	NS
Syrah	Bench	68-75	74
	Central	63-64	NS
	Lakeshore	71	62
	Parkway	NS	75-81

## % Live Buds - Hybrids - Feb 1, 2010 & Feb 8, 2010 (NS means no sample taken)

Cultivar	Location	West of Canal (Week of Feb 1/10)	East of Canal (Week of Feb 8/10)
Baco Noir / Foch	Bench	91-94	NS
	Central	86-90	93-95
	Parkway	NS	92
	Vinemount	89-94	NS
Vidal	Central	88-92	90-94
	Lakeshore	94	92
	Parkway	NS	88-90
	Vinemount	89-91	NS