



# Winter Injury Studies 2007/08 Grape Bud Survival November 19, 2007

#### **Research Team**

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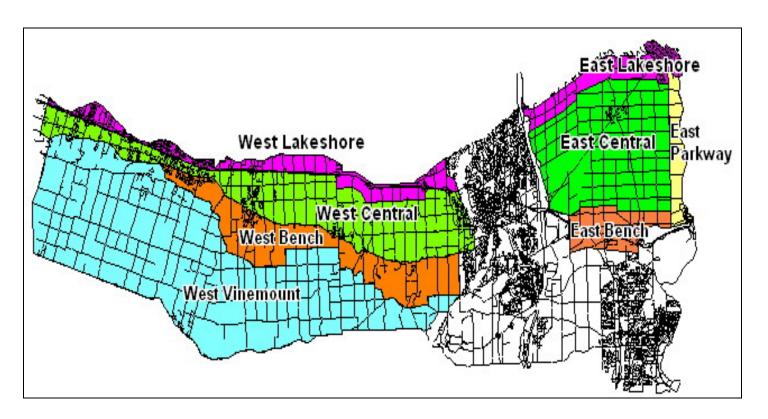
Grape bud sampling to establish winter survival is part of the 3 year - CanAdvance and CRESTech funded Winter Injury and Wind Machine project. The tables in this article, report the sampling results based on the bud collection during the week of November 19<sup>th</sup>, 2007. However, the percent alive 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 Grape Growers of Ontario (GGO) and the Wine Council of Ontario (WCO) are the major sponsors of the project. Other partners include; Stephane Bosc – Orchard Rite; Roger Vail – Chinook; KCMS Applied Research and Consulting; Agricorp; Ontario Tender Fruit Producers' Marketing Board; the Niagara Peninsula Fruit & Vegetable Growers' Association, OMAFRA; Brock University and the University of Guelph.

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 - Labrusca - November 19, 2007 (NS means no sample taken)

Cultivar	Location	East of Canal	West of Canal
Concord	Vinemount	NS	100
Niagara	Vinemount	NS	97-100

### % Live Buds - Hybrids - November 19, 2007 (NS means no sample taken)

Cultivar	Location	East of Canal	West of Canal
Baco Noir	Central	98	100
	Parkway	98	NS
	Vinemount	NS	99
Foch	Central	NS	97-99
	Vinemount	NS	95
Vidal	Central	100	99-100
	Lakeshore	97	NS
	Parkway	93-99	NS
	Vinemount	NS	100

## % Live Buds - Vinifera – November 19, 2007 (NS means no sample taken)

Cultivar	Location	East of Canal	West of Canal
Cabernet Franc	Bench	91-99	97-100
	Central	99	99
	Lakeshore	95-98	99
	Parkway	89-98	NS
	Vinemount	NS	92-99
Cabernet Sauvignon	Central	NS	95
	Lakeshore	NS	100
	Parkway	91	NS
Chardonnay	Bench	99	97-99
	Central	97-99	97-100
	Lakeshore	98-99	NS
	Parkway	98-99	NS
	Vinemount	NS	100
Gamay	Parkway	99	NS
Merlot	Bench	98-100	99-100
	Central	98	98-100
	Lakeshore	98	99-100
	Parkway	98-100	NS
	Vinemount	NS	89
Pinot Noir	Bench	81-99	95-99
	Central	96	89-99
	Lakeshore	77	96-98
	Parkway	98	NS
	Vinemount	NS	84-98
Riesling	Bench	99-100	96-99
	Central	97-99	93-99
	Lakeshore	89-91	99
	Parkway	97-99	NS
	Vinemount	NS	90-99
Sauvignon Blanc	Central	98	99
	Lakeshore	93	NS
Syrah	Lakeshore	NS	95
	Parkway	91	NS