

# Winter Injury Studies 2006/07

## Grape Bud Survival

### February 12, 2007

#### Research Team

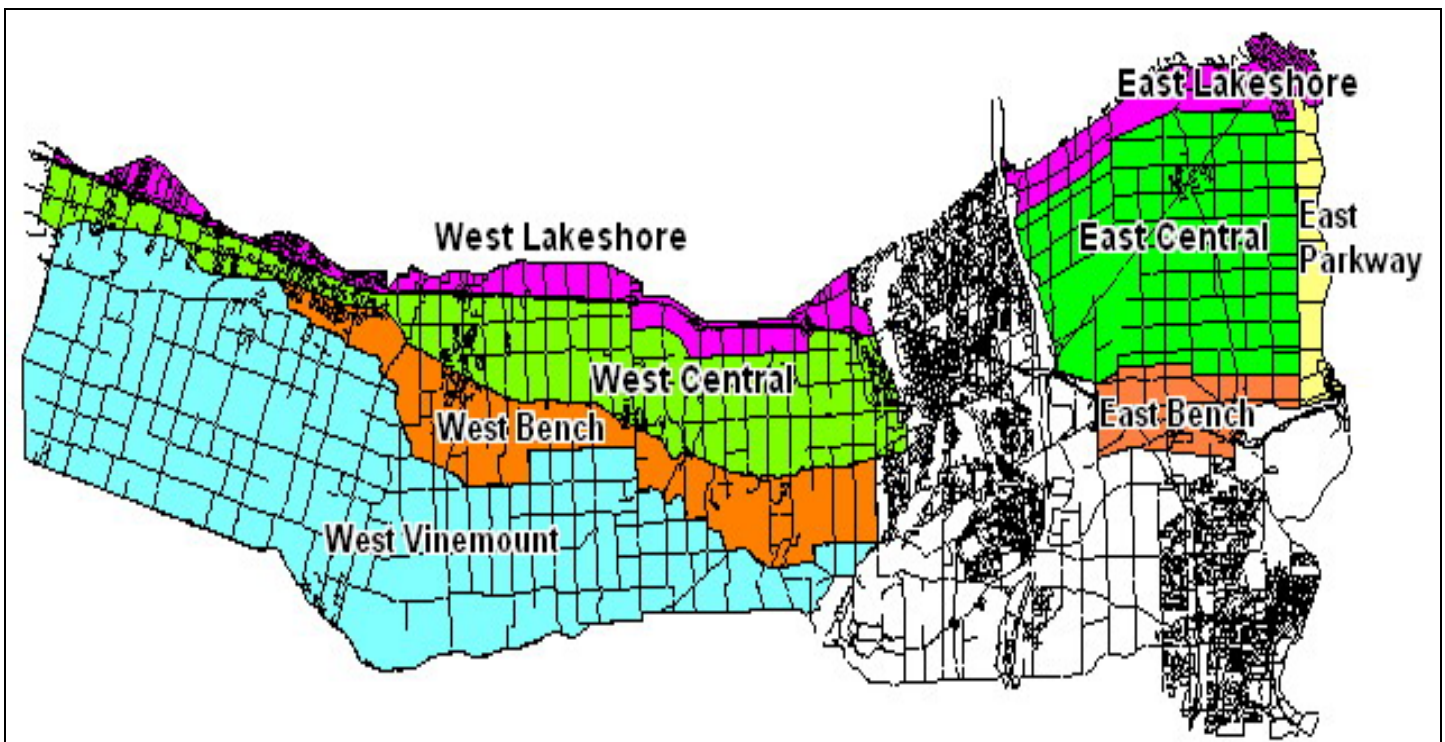
*Ken Slingerland* and *Hugh Fraser*, OMAFRA

*Kevin Ker*, CCOVI Brock University & KCMS

*Dr. Helen Fisher*, University of Guelph

*Ryan Brewster*, KCMS Applied Research and Consulting Inc.

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 February 12, 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.



**% Live Buds - Labrusca – Feb 12 - 16, 2007 (NS means no sample taken)**

<b>Cultivar</b>	<b>Location</b>	<b>East of Canal</b>	<b>West of Canal</b>
Concord	Vinemount	NS	75
Niagara	Vinemount	NS	98

**% Live Buds - Hybrids – Feb 12 - 16, 2007 (NS means no sample taken)**

<b>Cultivar</b>	<b>Location</b>	<b>East of Canal</b>	<b>West of Canal</b>
Baco Noir	Central	77	92
	Parkway	83	NS
Foch	Central	NS	83-95
	Vinemount	NS	88
Vidal	Central	85-87	93-96
	Lakeshore	89	NS
	Parkway	59-88	NS
	Vinemount	NS	86

**% Live Buds - Vinifera – Feb 12 - 16, 2007 (NS means no sample taken)**

<b>Cultivar</b>	<b>Location</b>	<b>East of Canal</b>	<b>West of Canal</b>
Cabernet Franc	Bench	83-84	79-90
	Central	69-88	72-93
	Lakeshore	78-85	88
	Parkway	82-87	NS
	Vinemount	NS	73-81
Cabernet Sauvignon	Central	NS	89
	Lakeshore	NS	81
	Parkway	83	NS
Chardonnay	Bench	76-85	75-88
	Central	71-90	73-92
	Lakeshore	81-88	NS
	Parkway	71-89	NS
	Vinemount	NS	78
Gamay	Parkway	86	NS
Merlot	Bench	85-86	88-96
	Central	95	90-97
	Lakeshore	96	87-91
	Parkway	75-84	NS
	Vinemount	NS	95
Pinot Noir	Bench	55-87	76-95
	Central	87	71-90
	Lakeshore	84	89-90
	Parkway	80	NS
	Vinemount	NS	50-96
Riesling	Bench	71-75	63-82
	Central	75-78	72-83
	Lakeshore	64	78
	Parkway	77-79	NS
	Vinemount	NS	62-85
Sauvignon Blanc	Central	78	82
	Lakeshore	74	NS
Syrah	Lakeshore	NS	63
	Parkway	31	NS