

Table 4. Total yield (Kg) of 20 grapevine genotypes grown under four winter protection methods, at Frelighsburg and two commercial vineyards (L'Orpailleur, Dunham and Dietrich-Jooss, Iberville) during 2000 and 2001 growing seasons.

Location Season Cultivar	Frelighsburg								L'Orpailleur								Dietrich-Jooss			
	2000				2001				2000				2001				2000			
	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4
Sabrevois	8.3	7.4	7.2	-	10.2	8.0	10.8	-	0.51	1.30	1.90	-	2.87	3.62	3.55	-	1.02	2.13	1.86	-
Prairie Star	5.4	3.9	3.1	-	3.6	4.0	6.0	-	0.25	0.28	0.67	-	0.51	1.48	2.40	-	0.14	0.23	0.13	-
ES-4-7-25	10.0	8.6	8.8	-	12.1	16.9	23.0	-	3.41	5.75	3.71	-	4.52	10.38	10.93	-	1.04	2.14	1.87	-
Delisle	7.5	6.8	7.0	-	4.1	3.8	5.5	-	0.12	0.62	1.24	-	1.21	2.19	3.23	-	0.54	0.88	0.99	-
Michurinetz	7.2	8.7	8.3	-	7.7	8.7	9.3	-	0.63	0.95	2.59	-	1.50	3.07	7.92	-	1.66	3.52	1.42	-
St. Croix	17.4	14.1	14.4	-	8.4	8.5	13.4	-	2.06	3.20	5.16	-	2.52	4.52	5.35	-	4.44	3.72	2.72	-
St. Pepin	13.8	10.0	11.2	-	7.3	9.0	13.5	-	1.76	1.38	3.60	-	1.37	2.46	6.57	-	2.99	2.61	1.61	-
Vandal-Cliche	30.4	27.8	21.1	-	12.2	12.0	24.8	-	7.23	2.69	6.34	-	1.59	5.44	7.25	-	3.33	4.34	3.65	-
Kay Gray	12.5	10.6	8.2	-	5.8	6.0	7.6	-	0.56	0.68	1.86	-	1.15	2.58	3.53	-	0.52	1.45	1.30	-
ES-6-12-28	11.6	10.0	14.8	-	10.0	6.4	20.8	-	0.52	1.90	7.47	-	1.99	4.02	6.69	-	1.18	3.70	0.73	-
GR-7	8.4	10.3	9.6	-	3.6	10.9	11.7	-	0.58	2.17	4.11	-	1.56	2.45	6.21	-	1.71	6.04	5.52	-
L. Kuhlmann	9.7	11.3	14.4	-	4.7	4.1	12.6	-	0.96	1.88	6.31	-	0.87	3.03	7.12	-	1.76	6.49	5.20	-
Chancellor	-	-	2.7	-	-	-	25.9	-	-	-	4.04	-	-	-	6.84	-	-	-	4.24	-
Hibernal	-	-	11.4	-	-	-	18.8	-	-	-	2.94	-	-	-	2.93	-	-	-	5.48	-
Ok. Riesling	-	-	6.0	-	-	-	13.0	-	-	-	1.18	-	-	-	2.52	-	-	-	0.79	-
Seyval blanc	-	-	9.1	9.0	-	-	26.6	7.4	-	-	4.28	1.96	-	-	7.01	3.5	-	-	5.52	2.16
Seyval noir	-	-	7.7	-	-	-	27.2	-	-	-	4.41	-	-	-	6.64	-	-	-	4.21	-
Siegerrebe	-	-	0.7	-	-	-	11.4	-	-	-	0.18	-	-	-	0.53	-	-	-	0.10	-
SV-18-307	-	-	0.4	-	-	-	17.7	-	-	-	5.59	-	-	-	13.41	-	-	-	4.30	-
Vidal blanc	-	-	3.4	-	-	-	14.8	-	-	-	0.85	-	-	-	3.81	-	-	-	1.45	-
F value	34.3	21.5	16.9	-	7.3	8.8	15.4	-	12.5	8.1	6.1	-	6.1	7.8	7.9	-	1.9	5.5	4.2	-
LSD 5%	3.3	3.6	3.5	-	3.4	3.8	5.1	-	1.67	1.52	2.42	-	1.26	2.43	2.99	-	2.7	2.35	2.65	-

Data are means of 4 replicates of 3 vines/replicate

Winter protection: M1 = no winter protection, M2 = 50% of canes on ground covered by snowfall and 50% of canes without any protection, M3 = vine under geotextile fabric, M4 = vine buried by 0.35 m of soil.

'-' not planted, using an incomplete, randomised block design (split-plots).

Total yield (Kg per 3 vines)