

**App. 1.** Performance of *Bromus erectus* from three provenances (Negrentino, Poma, San Giorgio, Switzerland) at three sites, Negrentino, Poma, San Giorgio, over three years after reciprocal sowing in 1998 and 1999 (means  $\pm$  SE,  $n = 20$  plots). **(a)** Percentage of emerged individuals; **(b)** Percentage of surviving individuals; **(c)** Individual size in third year and **(d)** Population vigour in third year.

		Seed provenance			
		Negrentino	Poma	San Giorgio	Mean
(a) Emergence (%)	Negrentino	49.0 $\pm$ 2.4	47.7 $\pm$ 2.2	41.6 $\pm$ 2.9	46.1 $\pm$ 1.5
	Poma	31.2 $\pm$ 2.2	30.8 $\pm$ 2.2	23.8 $\pm$ 2.0	28.6 $\pm$ 1.3
	San Giorgio	47.6 $\pm$ 3.5	44.9 $\pm$ 3.0	39.9 $\pm$ 3.4	44.1 $\pm$ 1.9
	Mean	42.6 $\pm$ 1.9	41.1 $\pm$ 1.7	35.1 $\pm$ 1.9	
(b) Survival (%)	Negrentino	49.7 $\pm$ 3.3	54.1 $\pm$ 3.3	32.2 $\pm$ 2.8	45.5 $\pm$ 2.2
	Poma	9.1 $\pm$ 1.8	13.3 $\pm$ 2.0	5.9 $\pm$ 1.6	9.4 $\pm$ 1.1
	San Giorgio	30.0 $\pm$ 2.4	32.7 $\pm$ 2.9	29.4 $\pm$ 2.5	30.7 $\pm$ 1.5
	Mean	29.6 $\pm$ 2.6	33.4 $\pm$ 2.7	22.7 $\pm$ 2.1	
(c) Size (cm)	Negrentino	55.7 $\pm$ 7.5	44.1 $\pm$ 7.5	31.8 $\pm$ 4.5	43.9 $\pm$ 4.0
	Poma	14.9 $\pm$ 2.1	13.9 $\pm$ 1.7	9.5 $\pm$ 1.6	12.9 $\pm$ 1.2
	San Giorgio	6.3 $\pm$ 0.4	5.6 $\pm$ 0.3	6.9 $\pm$ 0.4	6.3 $\pm$ 0.2
	Mean	26.4 $\pm$ 4.0	21.4 $\pm$ 3.4	16.7 $\pm$ 2.4	
(d) Population vigour (cm)	Negrentino	1619.1 $\pm$ 451.5	1395.0 $\pm$ 418.4	602.7 $\pm$ 196.4	1205.7 $\pm$ 277.3
	Poma	72.4 $\pm$ 38.4	60.8 $\pm$ 16.7	28.9 $\pm$ 16.5	54.0 $\pm$ 18.5
	San Giorgio	109.3 $\pm$ 19.3	94.6 $\pm$ 10.9	99.6 $\pm$ 15.8	101.2 $\pm$ 11.0
	Mean	600.4 $\pm$ 244.0	516.8 $\pm$ 218.8	243.7 $\pm$ 98.1	