

Supplementary materials

Table S1. The Kruskal-Wallis test results used for comparison of the daily mean air temperatures measured at the experimental site from January to May 2017, 2018 and the 20 years average (1995–2015).

Month	Year	Mean	Count	Score sum	Expected score	Score mean	(Mean-Mean0)/Std0	ChiSquare	DF	Prob>ChiSq
Jan	1996-2015	7.0	31	1160.0	1457	37.42	-2.416	40.68	2	<.0001*
	2017	5.5	31	978.5	1457	31.56	-3.896			
	2018	10.6	31	2232.5	1457	72.02	6.316			
Feb	1996-2015	7.8	28	889.5	1190	31.77	-2.847	43.23	2	<.0001*
	2017	10.7	28	1881.0	1190	67.18	6.552			
	2018	6.8	28	799.5	1190	28.55	-3.701			
Mar	1996-2015	10.8	31	1160.0	1457	37.42	-2.417	30.04	2	<.0001*
	2017	13.1	31	2128.0	1457	68.64	5.465			
	2018	9.4	31	1083.0	1457	34.93	-3.044			
Apr	1996-2015	14.2	30	990.0	1365	33.00	-3.206	14.53	2	0.0007*
	2017	14.8	30	1344.5	1365	44.82	-0.171			
	2018	16.6	30	1760.5	1365	58.68	3.381			
May	1996-2015	18.2	31	1209.0	1457	39.00	-2.017	4.26	2	0.1190
	2017	19.1	31	1537.0	1457	49.58	0.648			
	2018	19.3	31	1625.0	1457	52.42	1.365			

Table S2. Two-way ANOVA results relating to the characteristics of inflorescences (length, flowers per inflorescence), flowers (open and perfect flowers) and pollen viability of three Leccino clones (L 1.3, L 1.4, L 1.9) in 2017 and 2018. Main effect: year (Y), canopy position (CP). F- and *p*-values are shown; ns not significant.

Clone	Factor	Inflorescence Length		Flowers per inflorescence		Open flowers		Perfect flowers		Pollen Viability	
		F	<i>p</i>	F	<i>p</i>	F	<i>p</i>	F	<i>p</i>	F	<i>p</i>
L 1.3	Year	22.45	<0.0001	2.55	ns	1.21	ns	0.66	ns	0.57	ns
	Canopy Position	23.40	<0.0001	8.99	0,0038	38.89	0.0034	0.64	ns	2.44	ns
	Y x CP	0.72	ns	0.76	ns	47.61	0.0023	0.72	ns	0.25	ns
L 1.4	Year	1.66	ns	0.49	ns	12.77	0.0233	0.21	ns	0.74	ns
	Canopy Position	0.85	ns	0.25	ns	45.11	0.0026	1.21	ns	0.60	ns
	Y x CP	0.69	ns	0.19	ns	1.89	ns	0.19	ns	0.09	ns
L 1.9	Year	1.58	ns	12.25	0.0008	0.30	ns	40.56	<0.0001	48.17	0.0001
	Canopy Position	2.04	ns	2.75	ns	0.32	ns	1.07	ns	52.02	<0.0001
	Y x CP	0.73	ns	1.03	ns	0.04	ns	1.10	ns	60.17	<0.0001