

Supplemental Data for:

Walker HV, Jones JE, Swarts ND and Kerslake F. 2021.

Manipulating nitrogen and water resources for improved cool climate vine to wine quality. *Am J Enol Vitic* 73:11-25. doi: 10.5344/ajev.2021.21004.**Supplemental Table 1** Climate data grouped by phenological stages (dormancy to budbreak [1 May to 31 Aug], budbreak to bloom [1 Sept to 31 Nov], bloom to veraison [1 Dec to 31 Jan], and veraison to harvest [1 Feb to 30 April]) from an on-site weather station at the trial site for the 2016/17, 2017/18, and 2018/19 growing seasons (May to April) with historical average climate data (1991 to 2020) obtained from Hobart Airport weather station.

		Average daily temperature (°C)	Maximum temperature (°C)	Minimum temperature (°C)	Solar radiation (MJ/m ²)	Rainfall (mm)	Rainfall (L/vine)	Irrigation (L/vine)	
								Chardonnay	Pinot noir
Dormancy to budbreak	2016/17	10.2	13.6	7.2	990.8	227.6	711.3	0.0	0.0
	2017/18	9.5	13.3	6.3	1037.9	82.3	257.2	6.0	8.8
	2018/19	10.2	13.9	7.2	844.0	139.6	436.3	7.2	12.1
	Historical	9.6	13.9	5.3	761.8	149.0	465.6	–	–
Budbreak to bloom	2016/17	12.3	16.7	8.3	1677.8	144.8	452.5	14.4	14.4
	2017/18	13.5	18.9	9.2	1818.8	86.7	270.9	94.6	100.6
	2018/19	12.7	17.6	8.4	1659.9	94.3	294.7	50.3	50.3
	Historical	12.8	17.6	8.0	1453.7	121.8	380.6	–	–
Bloom to veraison	2016/17	16.8	22.4	12.1	1544.5	88.3	275.9	160.5	165.8
	2017/18	17.7	23.2	12.8	1513.5	113.6	355.0	226.0	231.6
	2018/19	18.1	24.2	13.2	1606.6	36.8	115.0	261.5	260.4
	Historical	17.1	22.3	11.9	1432.0	86.2	269.4	-	-
Veraison to harvest	2016/17	15.7	21.2	11.4	1504.3	39.1	122.2	257.5	263.4
	2017/18	15.3	20.3	11.3	1443.4	117.4	366.9	252.0	257.6
	2018/19	16.7	22.4	12.2	1087.4	46.8	146.3	242.3	245.3
	Historical	15.7	20.6	10.7	1197.7	104.7	327.2	–	–