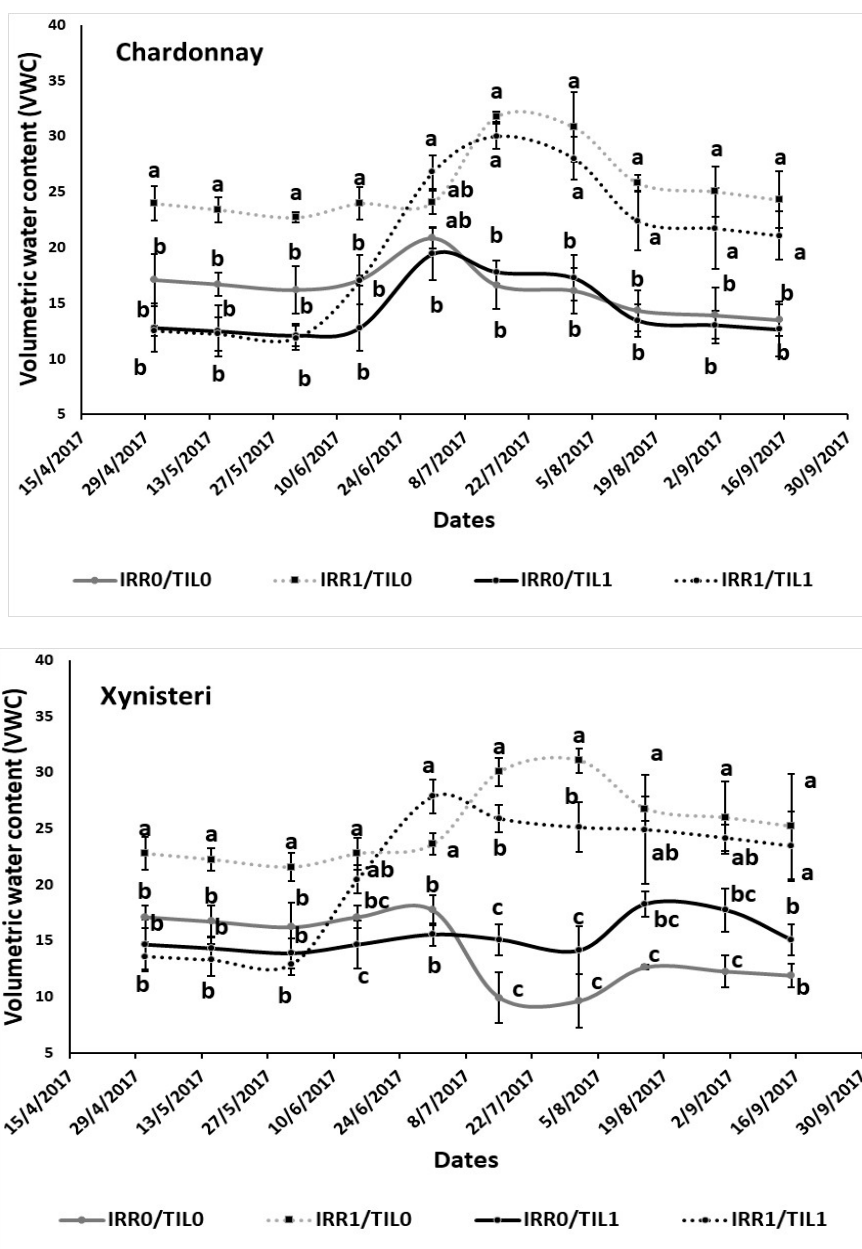


Article

# Assessing the Impact of Drought Stress and Soil Cultivation in Chardonnay and Xynisteri Grape Cultivars



**Figure S1.** Soil volumetric water content in the four treatments. Significant differences ( $p < 0.05$ ) among treatments are indicated by different letters according to Duncan's multiple range tests. Error bars show SE ( $n = 4$ ).

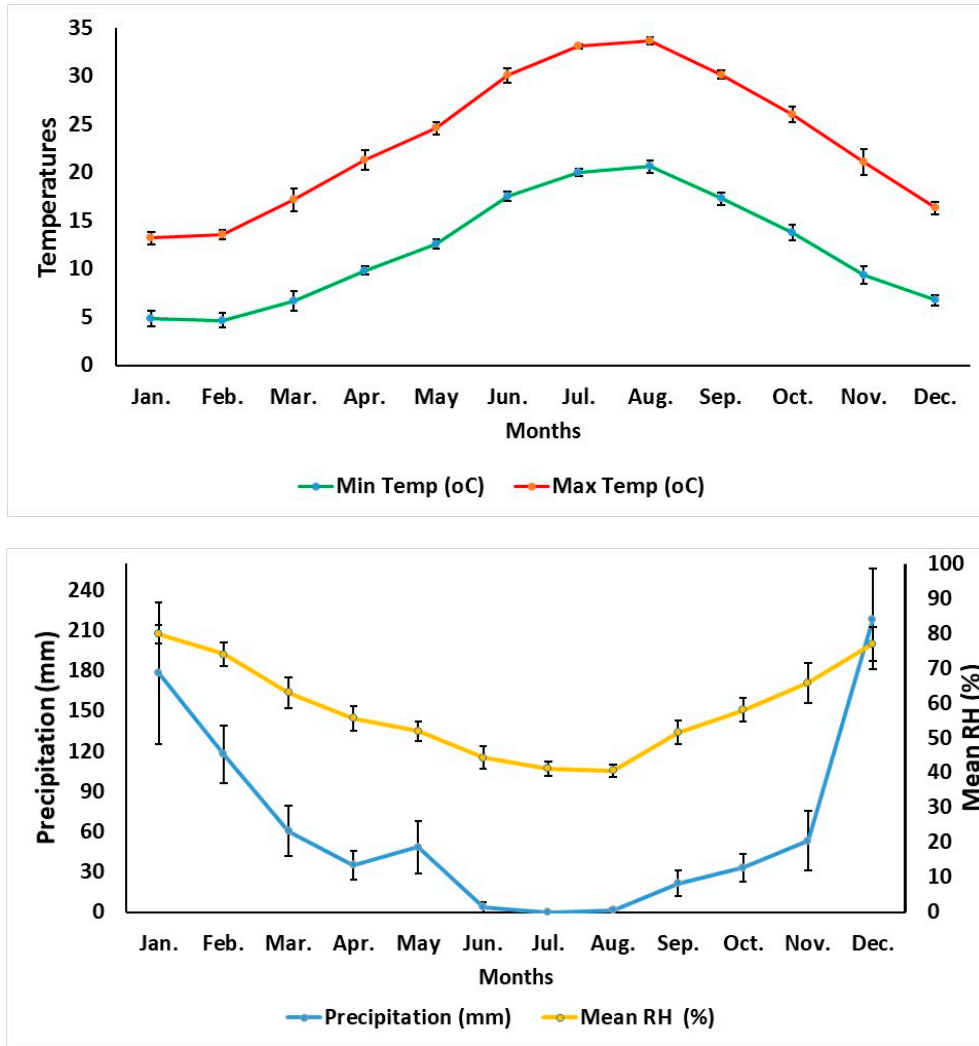


Figure S2. Meteorological data during the last 5 years at Malia area, Limassol.

**Table S1.** Soil physicochemical analysis on Chardonnay vineyards.

		pH	EC ( $\mu\text{S cm}^{-1}$ )	Total CaCO <sub>3</sub> (%)	Organic matter (%)	Na (g kg <sup>-1</sup> )	K (g kg <sup>-1</sup> )	N (g kg <sup>-1</sup> )	P (g kg <sup>-1</sup> )
May	IRR <sub>0</sub> /TIL <sub>0</sub>	7.81 ± 0.12a	308.05 ± 4.55b	73.72±0.32a	2.16±0.03a	0.05±0.01a	0.09±0.00b	0.65±0.00a	0.01±0.00a
	IRR <sub>1</sub> /TIL <sub>0</sub>	7.81±0.12a	308.05±4.55b	71.03±1.05a	1.52±0.03b	0.06±0.00a	0.10±0.01b	0.75±0.10a	0.01±0.00a
	IRR <sub>0</sub> /TIL <sub>1</sub>	7.68±0.12a	428.67±6.34a	71.82±1.06a	1.07±0.02c	0.08±0.02a	0.28±0.04a	1.17±0.38a	0.01±0.00a
	IRR <sub>1</sub> /TIL <sub>1</sub>	7.79±0.12a	435.00±6.34a	72.42±1.03a	1.09±0.02c	0.05±0.00a	0.09±0.01b	0.61±0.08a	0.01±0.00a
July	IRR <sub>0</sub> /TIL <sub>0</sub>	7.71±0.02a	601.40±63.40b	63.46±0.63a	1.38±0.08b	0.05±0.00a	0.10±0.01b	0.70±0.09b	0.04±0.01a
	IRR <sub>1</sub> /TIL <sub>0</sub>	7.65±0.03a	593.90±98.10b	62.43±0.42ab	2.09±0.28b	0.05±0.01a	0.13±0.03b	1.00±0.13ab	0.03±0.00a
	IRR <sub>0</sub> /TIL <sub>1</sub>	7.62±0.04a	662.50±91.50b	62.65±0.66a	2.10±0.11b	0.05±0.00a	0.16±0.02ab	0.77±0.02b	0.04±0.00a
	IRR <sub>1</sub> /TIL <sub>1</sub>	7.42±0.02b	1310.75±69.75a	60.58±0.08b	3.33±0.20a	0.06±0.00a	0.23±0.04a	1.40±0.04a	0.04±0.00a
September	IRR <sub>0</sub> /TIL <sub>0</sub>	7.59±0.15a	628.75±44.55b	62.56±0.49a	1.26±0.15b	0.06±0.01a	0.08±0.00b	0.56±0.09ab	0.03±0.01a
	IRR <sub>1</sub> /TIL <sub>0</sub>	7.70±0.03a	664.65±156.65b	64.00±0.41a	2.42±0.04a	0.06±0.00a	0.17±0.00a	1.12±0.04a	0.03±0.00a
	IRR <sub>0</sub> /TIL <sub>1</sub>	7.52±0.01a	1163.50±66.50a	67.31±2.09a	1.26±0.07b	0.06±0.01a	0.08±0.01b	0.47±0.00b	0.03±0.01a
	IRR <sub>1</sub> /TIL <sub>1</sub>	7.55±0.03a	1100.25±77.75a	62.76±1.65a	2.13±0.34a	0.06±0.00a	0.13±0.05ab	0.84±0.28ab	0.04±0.00a

**Table S2.** Soil physicochemical analysis on Xynisteri vineyards.

		pH	EC ( $\mu\text{S cm}^{-1}$ )	Total $\text{CaCO}_3$ (%)	Organic matter (%)	Na ( $\text{g kg}^{-1}$ )	K ( $\text{g kg}^{-1}$ )	N ( $\text{g kg}^{-1}$ )	P ( $\text{g kg}^{-1}$ )
May	IRR <sub>0</sub> /TIL <sub>0</sub>	7.52±0.06a	337.69±34.30a	72.53±1.22a	2.86±0.38a	0.05±0.00a	0.21±0.00a	1.54±0.03a	0.01±0.00a
	IRR <sub>1</sub> /TIL <sub>0</sub>	7.52±0.05a	330.94±34.30a	71.08±1.22a	2.75±0.38a	0.04±0.00a	0.20±0.00a	1.51±0.03a	0.01±0.00a
	IRR <sub>0</sub> /TIL <sub>1</sub>	7.43±0.03a	336.00±51.52a	71.11±1.39a	2.19±0.57a	0.05±0.00a	0.21±0.01a	1.53±0.03a	0.01±0.00a
	IRR <sub>1</sub> /TIL <sub>1</sub>	7.68±0.12a	329.28±6.34a	71.37±1.06a	2.14±0.02a	0.04±0.00a	0.09±0.00b	0.61±0.01b	0.01±0.00a
July	IRR <sub>0</sub> /TIL <sub>0</sub>	7.21±0.18a	431.28±119.90b	71.43±3.98a	4.32±0.05a	0.04±0.00a	0.19±0.01b	1.13±0.09a	0.02±0.00a
	IRR <sub>1</sub> /TIL <sub>0</sub>	7.52±0.13a	539.94±52.20ab	67.04±2.56a	4.84±0.11a	0.05±0.01a	0.26±0.01a	1.29±0.06a	0.03±0.01a
	IRR <sub>0</sub> /TIL <sub>1</sub>	7.25±0.14a	716.53±94.28ab	70.24±0.78a	2.75±0.22b	0.04±0.00a	0.17±0.01b	1.19±0.15a	0.02±0.00a
	IRR <sub>1</sub> /TIL <sub>1</sub>	7.40±0.08a	889.37±129.48a	71.88±1.93a	2.16±0.42b	0.07±0.02a	0.21±0.01b	1.22±0.09a	0.02±0.00a
September	IRR <sub>0</sub> /TIL <sub>0</sub>	7.70±0.12a	613.82±15.23c	66.06±0.92b	4.31±0.18a	0.01±0.00b	0.28±0.02b	1.69±0.06ab	0.02±0.00a
	IRR <sub>1</sub> /TIL <sub>0</sub>	7.80±0.09a	1250.66±37.00a	62.36±0.63c	4.39±0.25a	0.01±0.00b	0.36±0.03a	2.18±0.28a	0.02±0.00a
	IRR <sub>0</sub> /TIL <sub>1</sub>	7.91±0.09a	803.27±10.35bc	67.73±0.66b	3.62±0.03b	0.02±0.00a	0.25±0.03bc	1.57±0.13b	0.04±0.01a
	IRR <sub>1</sub> /TIL <sub>1</sub>	7.93±0.08a	1077.43±168.50ab	70.95±0.69a	2.23±0.14c	0.01±0.00b	0.20±0.02c	1.04±0.06c	0.03±0.01a