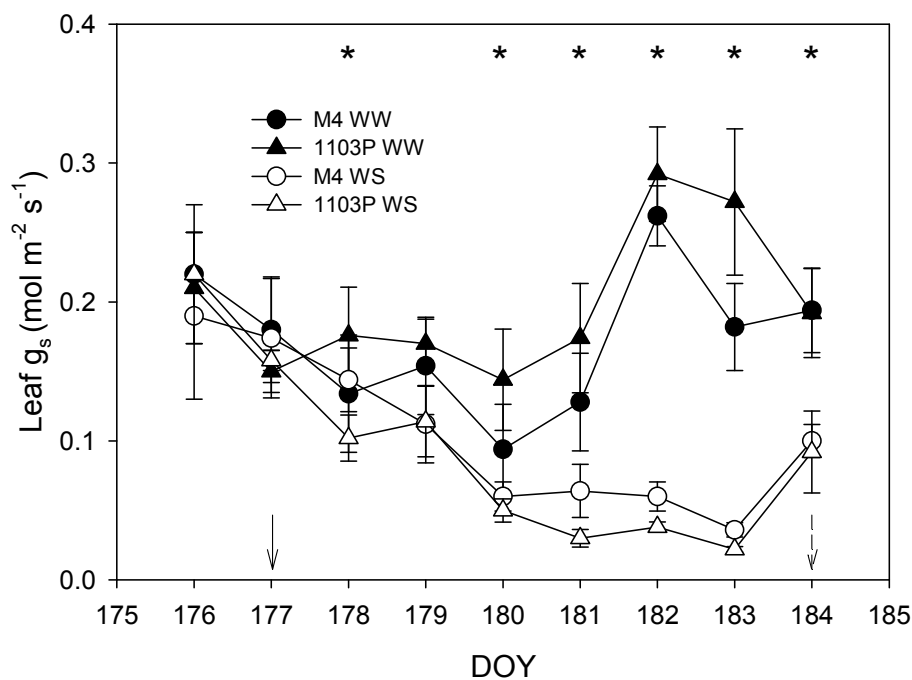


**Figure S1:** Hourly trends of air temperature (T), and relative humidity (RH) and daily trend of vapor pressure deficit (VPD) and rainfall recorded at the experimental site over the trial period. The arrows indicate the first day of water stress imposition (WS) and the date of re-watering (RW).



**Figure S2:** Daily trend for leaf stomatal conductance ( $g_s$ ) of vines cv. Grechetto Gentile grafted to M4 and 1103 Paulsen. M4 WW= well-watered vines grafted to M4; 1103P WW= well-watered vines grafted to 1103 Paulsen; M4 WS= water-stressed vines grafted to M4; 1103P WS= water-stressed vines grafted to 1103 Paulsen; DOY= Day Of the Year. Bars represent standard errors (n=5). Asterisk indicates dates within which significant differences among treatments were found according to SNK test ( $P < 0.05$ ). Solid arrow indicates date of imposition of WS, dashed arrow indicates date of re-watering.

**Table S1.** Leaf area from main and lateral shoots at the end of the season.

Treatment	Vine leaf area (main shoots)	Vine leaf area (lateral shoots)
	m <sup>2</sup>	m <sup>2</sup>
1103P WW <sup>a</sup>	0.2811 ± 0.0511	0.3801 ± 0.0722
M4 WW	0.2145 ± 0.0433	0.3098 ± 0.0988
1103P WS	0.2234 ± 0.0412	0.2712 ± 0.0615
M4 WS	0.2396 ± 0.0666	0.2932 ± 0.0866
	ns <sup>b</sup>	ns

<sup>a</sup>M4 WW= well-watered vines grafted on M4; 1103P WW= well-watered vines grafted on 1103 Paulsen; M4 WS= water-stressed vines grafted on M4; 1103P WS= water-stressed vines grafted on 1103 Paulsen.

<sup>b</sup>ns indicate no significant difference per P <0.05 (SNK test, n =5).