

(_{MW})

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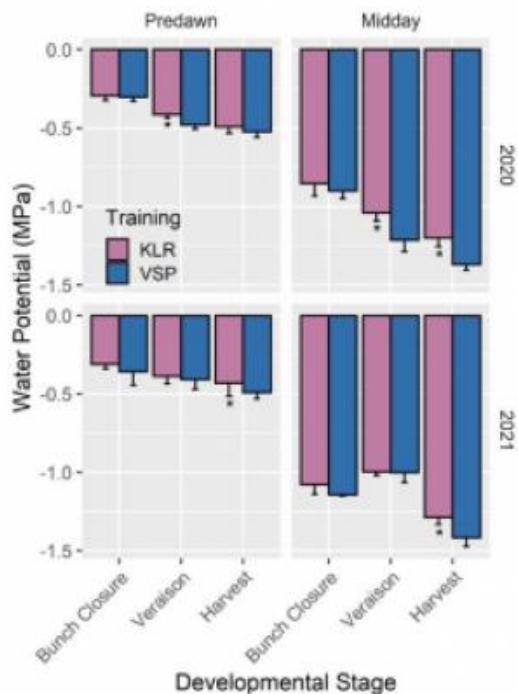


[3]

26 April 2024

[Xinomavro Brilliance: Exploring Navitas Winery's 2021 Vintage](#) [3]

Figure 2. Water potential: $\Psi_{predawn}$ and Ψ_{leaf} (MPa) at three growth stages (bunch closure, veraison and harvest) of KLR and VSP training systems for 2020 and 2021. The values are averages \pm SD. Averages followed by * are different $p < 0.05$, Tukey's HSD, $n = 5$.

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There were significant differences in vine water status between the two training systems depending on the developmental

[4]

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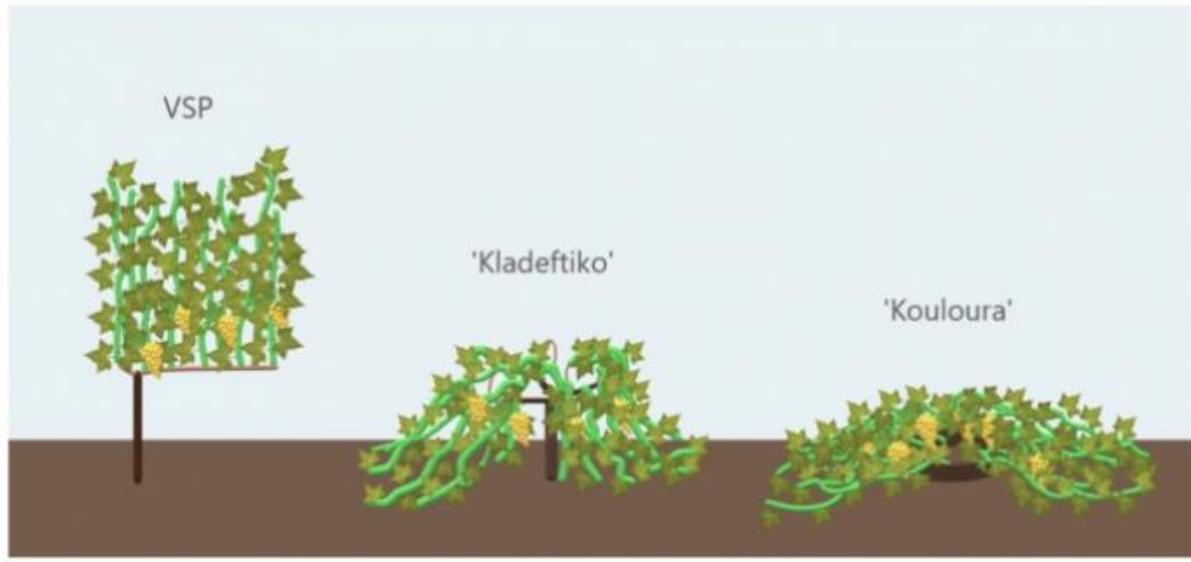
[Recent study on training systems in Santorini shows that the basked trained system is the best solution to climate change](#) [4]

of 310 mm (average from 1974 through 2019) has been observed, which is even lower than in arid regions of Extremadura (Southwest Spain) and Cyprus, where the precipitation varies from 380 to 700 mm (Garcia-Martin et al., 2022).

Own-rooted and phylloxera-free vines have been cultivated on the volcanic soil of Santorini for thousands of years. All this time, vines have been cultivated using two traditional training systems, the 'Kouloura' and the 'Kladeftiko' (Figure 1), which are well-adapted to the specific climatic conditions of the island. (Xyrafis et al., 2021).

Figure 1. Illustration of the traditional training systems of Santorini ('Kladeftiko' and 'Kouloura') and the VSP.

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The objective of this study was to compare the physiological and agronomic response of Assyrtiko grapevines to the traditional training systems 'Kouloura' and VSP training system over two growing seasons and to establish the factors influencing the performance of each system in the semi-arid conditions of Santorini Island as an alternative training system to adapt viticulture in other warm, dry wine regions.

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07 April 2024

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[6]

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Links

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