



Dafni

By Yiannis Karakasis MW

At a glance

Among the big stars of Vidiano and Liatiko, Dafní has perhaps little chance to get full attention. However, it could be a candidate in the Oscars' supporting role category with its aromatic distinctiveness. Very few varieties have such a particular aroma. Although fragrant, like Sauvignon Blanc, its aromas have nothing to do with gooseberry and cat's pee, but rather with Bay Laurel (*Laurus Nobilis*) and dried herbs.

It is planted in just a few hectares and mainly produced in an unoaked style by few producers for the time being. However, success in the international markets encourages more experimentation and investment.

Distinctly herbal in its aroma ranges from bay leaf, sage, rosemary, and flowers or herbs to ripe stone fruit and ginger. It makes wines of intense personality that are moderate in their alcohol and acidity.

History

Unfortunately, as is the case with many Cretan varieties, there is no abundance of information until the 11th

century. Its name is derived from its aromas of bay leaf (dáfni in Greek). The Dafní variety was saved from inevitable extinction when in the early 1990s, it was planted in the Psarades vineyard at 480 m elevation by the Lyrarakis family.

This variety may well have been used to produce wine during the last Minoan period. On a copper vessel of this period found in the Eileithya cave, in Tsoutsouras of the Monefatsiou region, the name Dafnitis Oinos was mentioned.

In the vineyard

There is now approximately **8 ha** on the island, mainly in the centre. Still, more producers are keen on experimenting with the variety. It is late-ripening, ripens in mid-September, and is trained either as a bush vine or on wires.

It looks very much like a table grape (big bunches and berries) and is well suited to climate change. It is furthermore resistant to most diseases and suitable for sustainable viticulture.

So far, Dafni presents little clonal diversity with two biotypes under research.

Terroir

Planted mainly in Heraklion at altitudes and already produced as a single vineyard by a couple of producers.

Wine styles

Single varietal: wines with zesty acidity and intense aromas

Blends: with other Cretan varieties such as Vilana, Plyto, Muscat and Thrapsathiri

Ageing potential

As a rule, these wines show their best during the first 3–4 years following the harvest, gaining more layers on the palate and integrating all structural elements with time. However, I have seen exciting mature examples that had held very well after almost a decade of life (for example Lyrarakis Dafni 2012).

Perfect pairing

Try it with steamed mussels and herbs.

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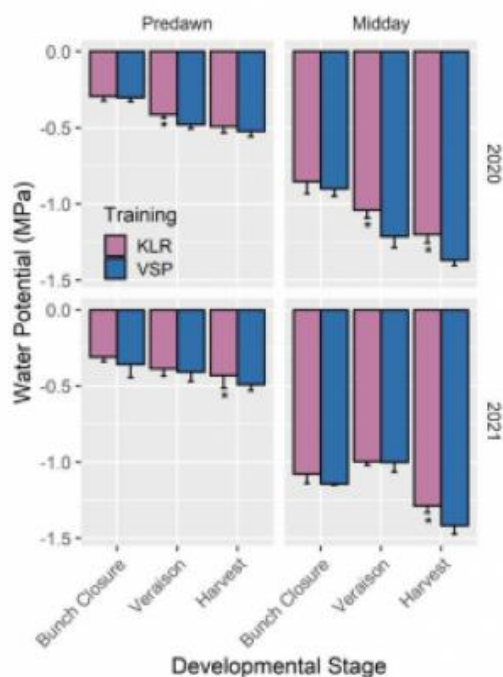
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Figure 2. Water potential: Ψ_{predawn} and Ψ_{leaf} (MPa) at three growth stages (bunch closure, veraison and harvest) of KLR and VSP training systems for 2020 and 2021. The values are averages \pm SD. Averages followed by * are different $p < 0.05$,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



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

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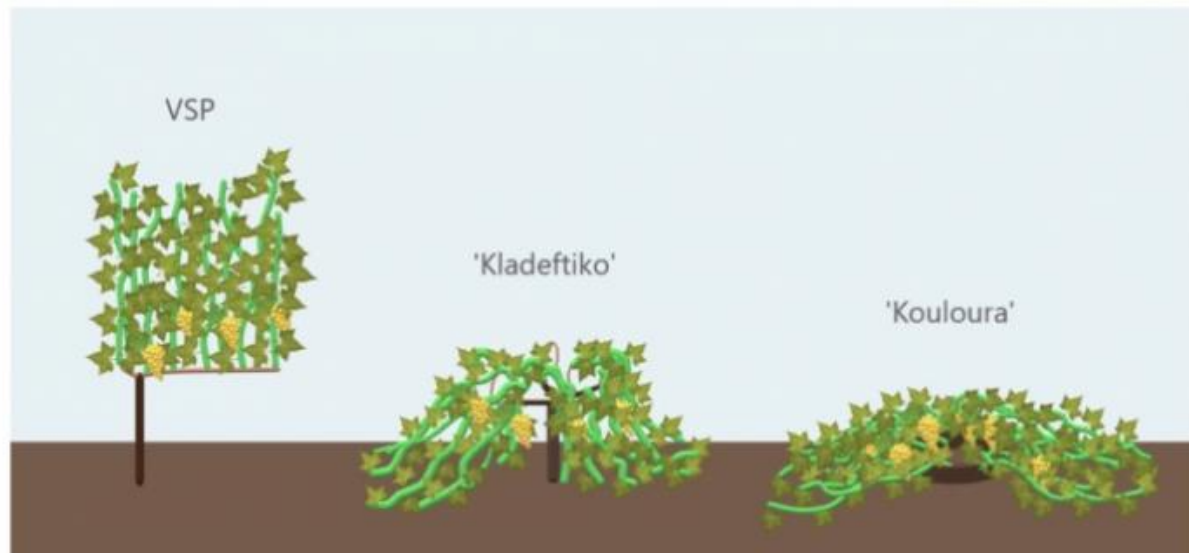
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[Recent study on training systems in Santorini shows that the basked trained system is the best solution to climate change](#) [3]

of 310 mm (average from 1974 through 2013) has been observed, which is even lower than in any regions of Crete (southwest Spain) and Pafos (Cyprus), where the precipitation varies from 380 to 700 mm (García-Martín *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.



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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[1] <https://www.karakasis.mw/policy>

[2] <https://www.karakasis.mw/filter/tips>

[3] <https://www.karakasis.mw/recent-study-training-systems-and-vine-density-santorini-island-shows-baked-trained-system-best>

[4] <https://www.karakasis.mw/h-koyloyra-i-apantisi-stin-klimatiki-allagi-sti-santorini>

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