

Wine-grape variety from the INRA-ResDur1 series, with polygenic resistance to downy mildew (*Rpv1 + Rpv3*) and powdery mildew (*Run1 + Ren3*)



Origin / Parentage

Artaban = Mtp 3082-1-42 x Regent

Breeders : INRA (France) and JKI (Germany)

Mtp 3082-1-42 : INRA breeding, bred by A. Bouquet at Montpellier by introgressing the source of resistance *V. rotundifolia*.

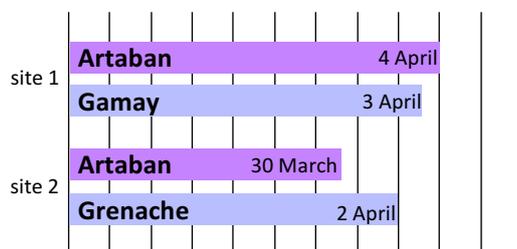
Regent : Variety bred by the JKI Institute at Geilweilerhof, registered in 1995. It bears resistance factors coming from American vines, mainly *V. rupestris* et *V. aestivalis*.

Artaban was registered in the Official Catalogue in January 2018.

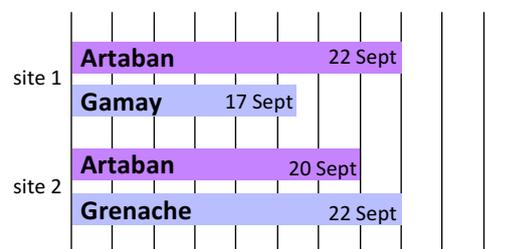
Agronomic traits

Phenology

Bud burst date (average over 3 years)



Harvesting date (average over 3 years)

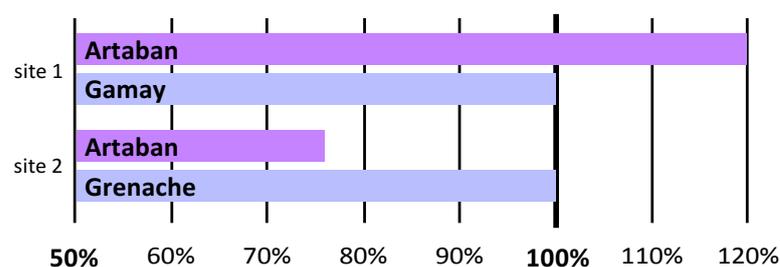


Bud burst comparable to Gamay, slightly before Grenache. Grape Maturity : period II, a few days after Gamay.

Vigour and production

Average vigour variety, upright growing, fairly sensitive to magnesium deficiency in young vines. Fairly high grape production, more than Gamay in Beaujolais but less than Grenache in IGP wine category. Moderate-size berries.

Yield, % of control (average over 3 years)

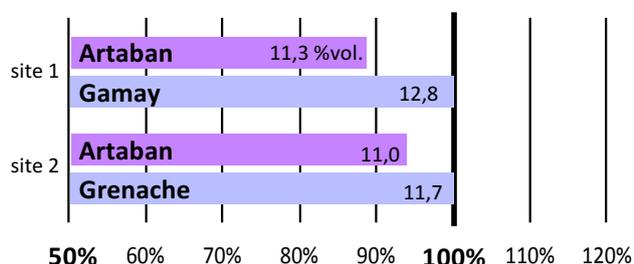


Oenologic traits

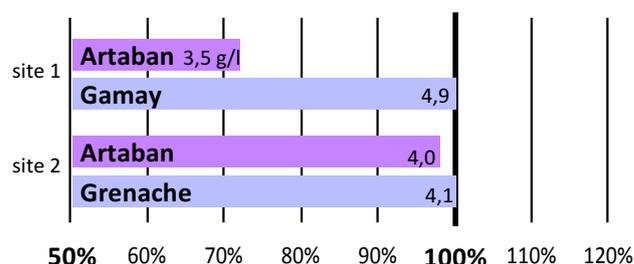
Sugar content and acidity of grapes

When ripe, there is moderate sugar content, always less than 10 to 20% of the control grape varieties. The acidity of berries follows the same trend, which results in a good sugar-acid balance

Alcoholic potential (average over 3 years)



Total acidity in sulphuric acid (average over three years)



Wine quality

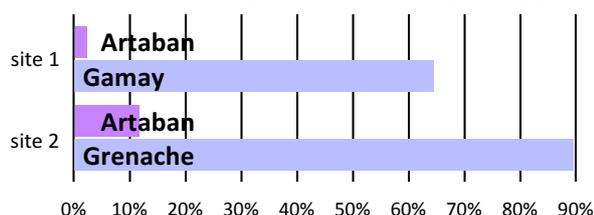
The wines are light, silky, with good colour. They are intended more for fast consumption, type nouveau. The aromas are dominated by fruity notes.

Resistance to fungal diseases

Downy mildew (without phytosanitary protection)

Intensity of damage on foliage

(after veraison, case of strong pressure)



Intensity of damage on cluster

Rare symptoms on inflorescences or clusters, without impact on the harvest, whereas the control grape varieties are severely impacted.

Powdery mildew

Total resistance, noted on all the sites, even when there is strong pressure.

Black rot

Artaban is sensitive to black rot. Fungicide protection is essential in a risk situation. The current state of knowledge based on a small number of field trials suggest that two treatments around flowering are enough to prevent damage to clusters and harvesting losses.

Potential savings in fungicides

Artaban has polygenic resistance to both downy mildew and powdery mildew. To maintain this resistance, it is highly recommended to apply a reduced number of additional fungicide treatments as well as for the protection against black rot. Savings of around 80% to 90% will be made in fungicides.

Acknowledgements :

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