

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



## Origin / Parentage

**Vidoc = 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*.

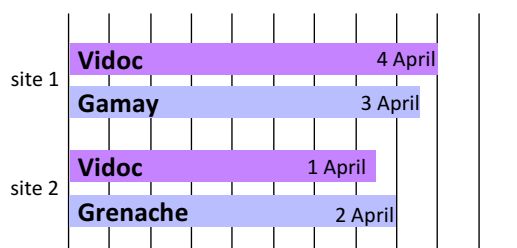
**Regent** : Variety bred by the JKI Institute at Geilweilerhof, registered in 1995. It bears resistance factors coming from American vines, mainly *V. rupestris* et *V. aestivalis*.

Vidoc was registered in the Official Catalogue in January 2018.

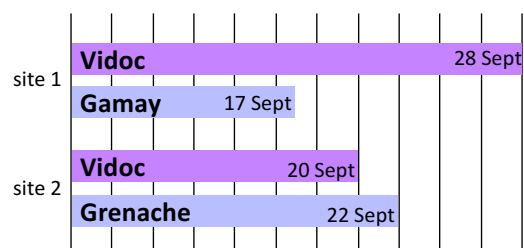
## Agronomic traits

### Phenology

Bud burst date (average over 3 years)



Harvesting date (average over 3 years)



Bud burst comparable to Gamay, or Grenache. Grape Maturity : late period II, a week and a half after Gamay and a few days before Grenache.

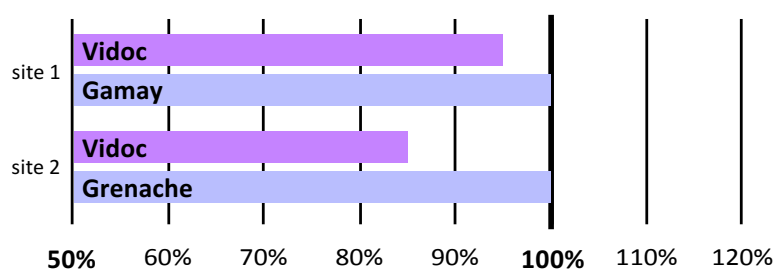
### Vigour and production

Vigorous variety, with semi-erected shoots requiring tying.

Fairly high grape production, close to Gamay in Beaujolais or Grenache in IGP wine category.

Small berries, with good tolerance to grey rot.

Yield, % of control (average over 3 years)

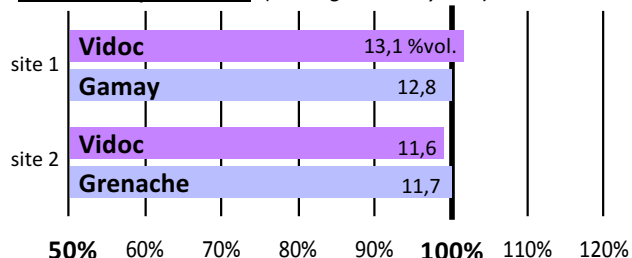


## Oenologic traits

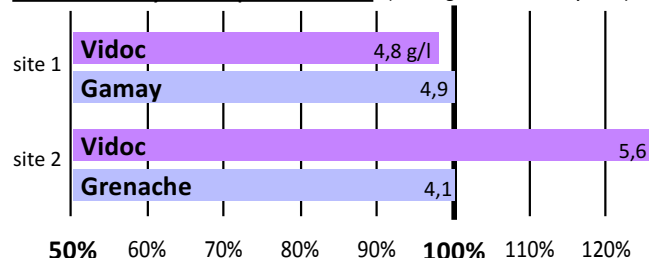
### Sugar content and acidity of grapes

When ripe, there is a high sugar content comparable to Gamay in Beaujolais or Grenache in IGP wine category. Thanks to a high proportion of tartaric acid, the berries remain at a fairly high acid level, well above that of Grenache.

Alcoholic potential (average over 3 years)



Total acidity in sulphuric acid (average over three years)



### Wine quality

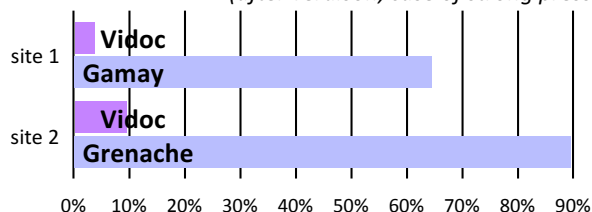
The wines obtained are powerful, very robust and have intense colour. Their acidity gives them a good balance on the palate. The aromas are complex, dominated by fruity and spicy notes.

## 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

**Vidoc** 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

**Vidoc** 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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