

# Merlot N

Wine grape variety.



## Origin

This variety is originally from the Bordeaux vineyards. Based on genetic analyses, Merlot would be the result of crossbreeding Cabernet franc and Magdeleine noire des Charentes.

## Use

Wine grape variety.

## Name of the variety in France

Merlot

## Synonymy

There is no officially recognized synonym in France nor in the other countries of the European Union, for this variety.

## Regulatory data

In France, Merlot is officially listed in the "Catalogue of vine varieties" on the A list and classified. This variety is also listed in the catalogues of other Member States of the European Union: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Germany, Greece, Hungary, Italy, Malta, Portugal, Romania, Slovenia and Spain.

## Description elements

The identification is based on:

- the tip of the young shoot with a high density of prostrate hairs,
- the green young leaves,
- the shoots with green internodes,
- the wedge-shaped dark green adult leaves, with five or seven lobes, an open U-shaped petiole sinus, with sometimes naked petiole veins, medium teeth with straight or convex sides, no anthocyanin coloration of veins, a goffered, very blistered leaf blade, and on the lower side of the leaves, a low to medium density of prostrate hairs,
- the round-shaped berries.

# Evolution of cultivated areas in France

Year    ha

195816975

196825124

197938391

198860007

199890059

2008117354

2018114578

## Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allele 1	137	223	239	186	194	260	238	227	239
Allele 2	149	234	247	188	194	260	248	233	239

### Cultivation and agronomic skills

Merlot is a moderately to strongly vigorous variety that tends to produce a lot of off shoots and suckers. Its semi-erect to horizontal bearing requires sufficient trellising. Its fertility is good and it is better to prune it short. In certain climatic conditions, there is a risk of coulure. Merlot is well suited to clay-limestone terroirs. This variety is rather sensitive to winter and spring frosts (early budburst) and appears to be not very adapted to intense drought conditions.

### Susceptibility to Diseases and Pests

Merlot is particularly sensitive to downy mildew (on flowers and bunches), to vine leafhoppers and burls. It is also rather sensitive to grey rot. On the other hand, it is not very susceptible to powdery mildew and flavescente dorée and is not very affected by wood diseases.

### Clonal selection in France

The twelve certified Merlot clones carry the numbers 181, 182, 184, 314, 342, 343, 345, 346, 347, 348, 349 and 519. A conservatory collection of more than 300 clones has been planted in the wine-growing region of Bordeaux since 1966.

### Bibliographic references

- Catalogue des variétés et clones de vigne cultivés en France. Collectif, 2007, Ed. IFV, Le Grau-du-Roi, France.
- Documentary collections of the Centre de Ressources Biologiques de la Vigne de Vassal-Montpellier, INRAE - Institut Agro | Montpellier, Marseillan, France.
- Dictionnaire encyclopédique des cépages et de leurs synonymes. P. Galet, 2015, Ed. Libre&Solidaire, France.
- Traité général de viticulture, Ampélographie. P. Viala and V. Vermorel, 1901-1909, Ed. Masson, Paris, France.

### Phenology

Bud burst: 2 days after Chasselas.  
Grape maturity: mid-season, 2 weeks and a half after Chasselas.

### Technological potential

The bunches are small to medium in size, winged and berries are medium in size. Merlot produces round, powerful, rich in alcohol and colored wines with relatively low acidity. These full-bodied and structured wines, with rather supple tannins, can be aged in wood barrels. The aromas are complex and elegant.



---

*Plantgrape, all rights reserved,  
plantgrape.com, © UMT Géno-Vigne®  
INRA - IFV - L'Institut Agro Montpellier*