



# Grézot 1



## Name of variety in France (and usual designation)

Grézot 1 (G 1)

## Breeder/selector and year of obtention

Victor Grézot, 1894.

## Genetic origin

Based on genetic analyses carried out in Montpellier, this variety results from a 1202 Couderc seedling (*Vitis rupestris* - *Vitis vinifera* cv. Mourvèdre).

## Evolution of mother vine surfaces

	1945	1965	1975	1985	2015
ha	0.4	12	17	3	0

## Estimated surface area of French vines grafted with the rootstock, and main

10 ha.

## Descriptive elements

The identification is based on:

- the tip of the young shoot that is half open with no or a very low density of prostate hairs,
- the slightly bronzed young leaves are slightly bronze,
- the shoots with no erect and prostate hairs,
- the involute kidney-shaped adult leaves, with an open petiole sinus, teeth with one side slightly convex and one side slightly concave,
- the female flowers,
- the very small, round-shaped berries, with a blue black skin.

## Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	135	250	239	236	188	256	236	241	237
Allel 2	149	265	249	262	191	262	262	243	237

## Resistance to soil parasites

G 1 is moderately resistant to phylloxera. This root-stock must therefore be plated under unfavorable conditions for this pest.

## Adaptation to the environment

G 1 is susceptible to chlorosis and only resists up to 6% of "active" limestone. It is also susceptible to drought. This rootstock absorbs easily magnesium and is not very sensitive to magnesium deficiency. However, it absorbs potassium

with difficulty in the soil. G 1 is also susceptible to chlorides and its use must be avoided if there is a risk of salinity.

## Interaction with grafts and production objectives

G 1 generally shows a good affinity to grafts and provides a moderate to high vigor. This rootstock works well with Chasselas.

## Vegetative propagation aptitudes

This rootstock wood production is low to moderate (25 000 to 40 000 m/ha) but it has a good cutting and grafting capacities.

## Resistance to aerial parasites

G 1 is moderately tolerant to the gall form of phylloxera and shows a good resistance to downy mildew.

## Clonal selection in France

In France, there is no certified clone for this variety yet.



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