



1447 Paulsen



Name of variety in France (and usual designation)

1447 Paulsen (1447 P)

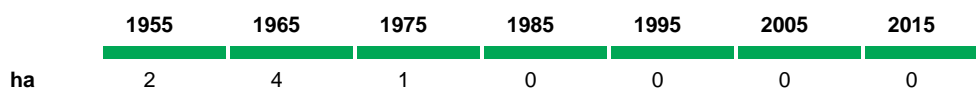
Breeder/selector and year of obtention

Federico Paulsen, 1896.

Genetic origin

This variety results from the crossbreeding of *Vitis berlandieri* and *Vitis rupestris* cv. Martin.

Evolution of mother vine surfaces



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

< 5 ha.

Descriptive elements

The identification is based on:

- the tip of the young shoot with a high density of prostate hairs,
- the slightly bronzed young leaves,
- the shoots with a bushy and erect bearing, a ribbed surface, red or pinkish internodes on the dorsal side, green on the ventral side, and a high density of erect hairs on the nodes and the internodes,
- the small, kidney-shaped, entire, adult leaves, with an open V- or brace-shaped petiole sinus, a light green leaf blade, folded towards the upper side of the blade, and on the lower side of the leaves, a medium density of erect hairs,
- the female flowers,
- the very small, round-shaped berries, with a blue black skin,
- the woody shoots with a medium density of erect hairs.

Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	135	223	233	236	196	252	236	218	259
Allel 2	145	265	260	249	214	264	249	251	259

Resistance to soil parasites

1447 P is highly tolerant to the root form of phylloxera. Its resistance to *Meloidogyne incognita* and *Meloidogyne arenaria* nématodes is also very good.

Adaptation to the environment

1447 P is characterized by a moderate to high adaptation to limestones soils. It resists up to 17% of "active" limestone.

It is also resistant to drought.

Interaction with grafts and production objectives

1447 P confers a strong vigor. Thus, the varieties grafted onto it produce high yields but the plants development is rather slow.

Vegetative propagation aptitudes

This rootstock has good cutting and grafting capacities.

Resistance to aerial parasites

1447 P is susceptible to the gall form of phylloxera but is highly resistant to downy mildew.

Clonal selection in France

In France, the only certified 1447 Paulsen clone carries the number 1307.



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