1447 Paulsen

Genetic origin

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

Name of the variety in France (and usual name)

1447 P

Breeder\/breeder and year obtained

Federico Paulsen, 1896.

Estimated surface area of the French vineyard grafted with this rootstock and main regions of use

< 5 ha .

Elements of ampelographic description

The identification is based on:
- the tip of the young shoot with a high density of prostrate hairs,
- the sligtly 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.

Evolution of mother vine surfaces

Year	1955	1965	1975	1985	1995	2005	2015
ha	2	4	1	0	0	0	0

Genetic profile

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

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Resistance to soil pests

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

Aptitudes for vegetative multiplication

This rootstock has good cutting and grafting capacities.

Clonal selection in France

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

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 the graft 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.

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 - Montpellier SupAgro, Marseillan, France.
- Cépages et vignobles de France, tome 1. P. Galet, 1988, Ed. Dehan, Montpellier, France.