

775 PAULSEN (BERLANDIERI x RUPESTRIS GROUP)

Origin: Italy (Paulsen – 1894).

VEGETATIVE FEATURES

Leaf: medium-sized, kidney-shaped, whole, with a wide open V-shaped petiolar sinus; the upper side is glossy, with hairless dark green flap, bullous; the primary ribs are light green; the lower side is hairless, green-colored.

Woody shoot: long, branched, abundant development of secondary shoots, hairless, of gray-brown color, slightly pruinose.

CULTURAL APTITUDES

Ability to promote fruit setting: acceptable.

Root system regeneration: medium.

ADAPTABILITY TO SOIL TYPE

Compact: mediocre.

Wet: poor.

Dry: good.

Stony: good.

Acidic: poor.

Saline: acceptable.

Branching pattern of the roots: taproot.

Tendency to emission of suckers high.

SUSCEPTIBILITY TO DEFICIENCIES OR EXCESSES

Deficiency of K: sensitive.

Deficiency of Mg: low sensitivity.

Deficiency of Fe: low sensitivity.

Deficiency of Zn: low sensitivity.

Resistance to root phylloxera: high.

Resistance to leaf phylloxera: low.

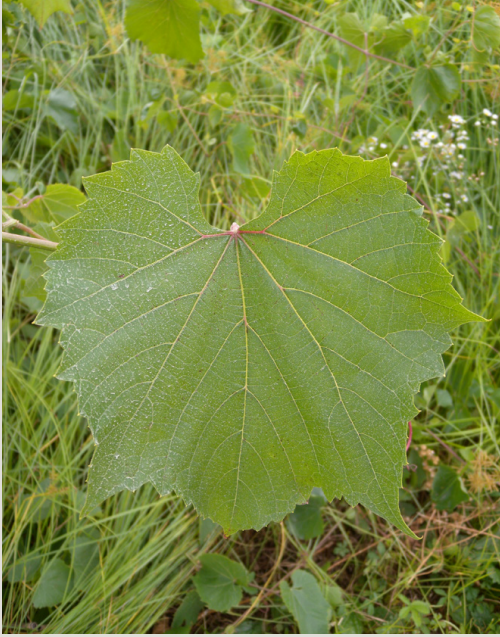
SUSCEPTIBILITY TO FUNGAL AND PLANT DISEASES

Downy mildew: low.

Powdery mildew: low.

Anthracoze: sensitive.

Eutypa disease: it induces sensitivity.



OTHER INFORMATION

Behavior in the nursery: the rooting is good and constant; it benefits from mulching so to delay the rooting process.

Behavior in the propagation block: it doesn't show problems of sorts when cultivated sprawling on the ground, however, when grown on trellis, it shouldn't be repeatedly cleaned from secondary shoots so to preserve a thorough lignification.

Behavior in the open field: it induces good vigor; it is not suitable to dense rows; sucker management is crucial; it delays the vegetative cycle while keeping a quite acidic must; it needs a moderate fertility and access to water during the vegetative cycle.