

1103 PAULSEN (BERLANDIERI x RUPESTRIS GROUP)

Origin: Italy (Paulsen – 1895).

VEGETATIVE FEATURES

Leaf: medium-small, kidney-shaped, with a wide open brace-shaped petiolar sinus and ribs circling a limited portion of the edge of the leaf, which is whole, with a glossy upper side, a dark green flap, tomentose with convoluted edges; the ribs are purple-colored, the lower side is hairless and green.

Woody shoot: very long, uniform, branched, with a conspicuous development of secondary branches, hairless, gray-brown, slightly pruinose.

CULTURAL APTITUDES

Ability to promote fruit setting: poor.

Root system regeneration: excellent.

ADAPTABILITY TO SOIL TYPE

Compact: good.

Wet: poor.

Dry: good.

Stony: excellent.

Acidic: acceptable.

Saline: excellent.

Branching pattern of the roots: expanded, deep.

Tendency to emission of suckers: high.

SUSCEPTIBILITY TO DEFICIENCIES OR EXCESSES

Deficiency of K: low sensitivity.

Deficiency of Mg: sensitive.

Deficiency of P: very sensitive.

Deficiency of Fe: low sensitivity.

Deficiency of Zn: sensitive.

Resistance to root phylloxera: high.

Resistance to leaf phylloxera: acceptable.

SUSCEPTIBILITY TO FUNGAL AND PLANT DISEASES

Downy mildew: low.

Powdery mildew: low.

Botrytis: induce sensitivity.

Anthracoze: very sensitive.

Eutypa disease: it induces sensitivity.

Rachis desiccation: low.



OTHER INFORMATION

Behavior in the nursery: the rooting is good in combination with most grape varieties; it induces a good development in the scion; it benefits from mulching.

Behavior in the propagation block: when grown on trellis it doesn't show any particular problem; on the other hand, when grown sprawling on the ground, the soil should be devoid of cobble stones; it behaves similarly to Kober 5 BB.

Behavior in the open field: it enhances a quick vegetative resumption; it induces sensitivity to spring colds in northern areas; it impresses vigor, it is not suitable to plantation thickening on the row; it delays the vegetative cycle while keeping a good must acidity; it accentuates the coulure phenomenon in susceptible varieties; it needs access to water during the vegetative cycle; it is not suitable to particularly heavy soils; the management of suckers is crucial.