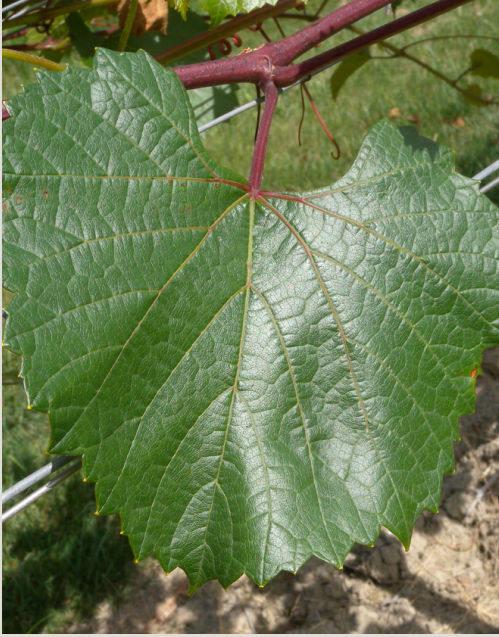


110R (BERLANDIERI x RUPESTRIS GROUP)



Origin: France (Richter – 1889).

VEGETATIVE FEATURES

Leaf: small, whole, kidney-shaped, with a very open petiolar sinus, a smooth upper side, hairless, and a dark green flap, glossy; the lower side is hairless, with reddish ribs at the base.

Woody shoot: long, uniform, very branched, elliptical, striped, hairless, partially pruinose, intensely purple-reddish with darker brown stripes.

CULTURAL APTITUDES

Ability to promote fruit setting: quite good.

Root system regeneration: poor.

ADAPTABILITY TO SOIL TYPE

Compact: poor.

Wet: poor.

Dry: excellent.

Stony: good.

Acidic: good.

Saline: poor.

Branching pattern of the roots: semi-taproot.

Tendency to the emission of suckers: poor.

SUSCEPTIBILITY TO DEFICIENCIES OR EXCESSES

Deficiency of K: sensitive.

Deficiency of P: sensitive.

Deficiency of Mg: low sensitivity.

Deficiency of Fe: low sensitivity.

Deficiency of Zn: sensitive.

excess of B: sensitive.

Resistance to root phylloxera: very high.

Resistance to leaf phylloxera: poor.

SUSCEPTIBILITY TO FUNGAL AND PLANT DISEASES

Downy mildew: very low.

Powdery mildew: very low.

Anthracoze: sensitive.

Leaf spot: very sensitive.

Eutypa disease: it induces sensitivity.

Rachis desiccation: it induces sensitivity.



OTHER INFORMATION

Behavior in the nursery: the rooting is acceptable for most grape varieties; it triggers a quite good development of scions; it benefits from mulching and hormone treatments; it tends to develop abnormal swellings at the grafting point.

Behavior in the propagation block: if it's grown on trellis, it is unlikely to give problems of sorts, provided the green pruning is moderate, otherwise the result would be a belated lignification; it is not advisable to let it grow sprawling on the ground in fresh and temperate climates.

Behavior in the open field: growth resumption is not very strong, later on, however, it shows a noteworthy strength; it is suitable to dense row plantation; it delays the vegetative cycle, it needs warm soils, it is not suitable to humid soils (even though temporarily humid), it is not suitable to replanting, it has a poor affinity with some Syrah clones.