

## 779 PAULSEN (BERLANDIERI x RUPESTRIS GROUP)

**Origin:** Italy (Paulsen – 1894).

### VEGETATIVE FEATURES

**Leaf:** medium-sized, kidney-shaped, whole, with a wide and open V-shaped petiolar sinus, it has a glossy upper side and a hairless dark-green flap, bullous, light-green main ribs, bristly lower side, green-colored.

**Woody shoot:** long, branched, conspicuous development of secondary shoots, hairless, gray-brown, partially pruinose.

### CULTURAL APTITUDES

**Ability to promote fruit setting:** good.

**Root system regeneration:** acceptable.

**Compact:** excellent.

**Wet:** poor.

**Dry:** good.

**Stony:** good.

**Acidic:** poor.

**Saline:** acceptable.

**Branching pattern of the roots:** taproot.

### SUSCEPTIBILITY TO DEFICIENCIES OR EXCESSES

**Deficiency of K:** low sensitivity.

**Deficiency of Mg:** sensitive.

**Deficiency of Fe:** sensitive.

**Deficiency of Zn:** low sensitivity.

**Resistance to root phylloxera:** excellent.

**Resistance to leaf phylloxera:** poor.

### SUSCEPTIBILITY TO FUNGAL AND PLANT DISEASES

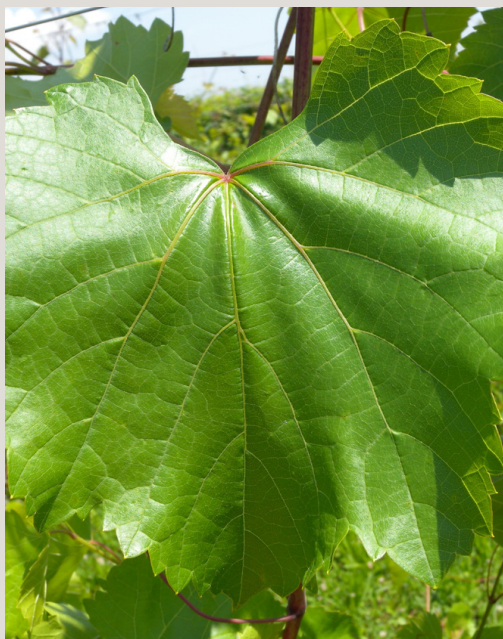
**Downy mildew:** low.

**Powdery mildew:** sensitive.

**Anthraco**se: sensitive.

**Eutypa disease:** it induces sensitivity.

**Rachis desiccation:** it induces sensitivity.



### OTHER INFORMATION

**Behavior in the nursery:** it shows incompatibility issues with some varieties; it benefits from mulching, which is aimed at delaying the rooting process; it induces abnormal enlargements at the callusing point; it needs a close vegetative management and not-too-fertile soils so to ensure a constant production.

**Behavior in the propagation block:** it is normally grown sprawling on the ground in hot and dry environments; when grown on trellis, it tends to suffer from etiolation: in such case the removal of dried leaves is very useful.

**Behavior in the open field:** it has a good productivity; it induces the growth of excessive callousing tissue at the grafting point and the detachment of the scion; it is suitable to replanting but not to be grown on dense rows; good both for lean and heavy soils.