

## 41B (VINIFERA x BERLANDIERI GROUP)

**Origin:** France (Chasselas x Berlandieri – Millardet e De Grasset 1882).

### VEGETATIVE FEATURES

**Leaf:** medium-small, three-lobed, orbicular, with an open-lyre petiolar sinus; the upper side is smooth, hairless, the lower side is woolly, with a dark green flap, slightly bent; the ribs are green.

**Woody shoot:** short, not uniform, not very branched, with moderately developed secondary shoots, polygonal, hairless, partially pruinose, gray-brown, with evident nodes.

### CULTURAL APTITUDES

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

**Root system regeneration:** slow.

### ADAPTABILITY TO SOIL TYPE

**Compact:** good.

**Wet:** poor.

**Dry:** good.

**Stony:** average.

**Acidic:** poor.

**Saline:** poor.

**Shallow:** good.

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

**Tendency to the emission of suckers:** poor.

### SUSCEPTIBILITY TO DEFICIENCIES OR EXCESSES

**Deficiency of K:** sensitive.

**Deficiency of Fe:** low sensitivity.

**Deficiency of Mg:** very sensitive.

**Deficiency of Zn:** sensitive.

**Excess of Cu:** very sensitive.

**Resistance to root phylloxera:** good.

**Resistance to leaf phylloxera:** excellent.

### SUSCEPTIBILITY TO FUNGAL AND PLANT DISEASES

**Downy mildew:** very sensitive.

**Powdery mildew:** low sensitivity.

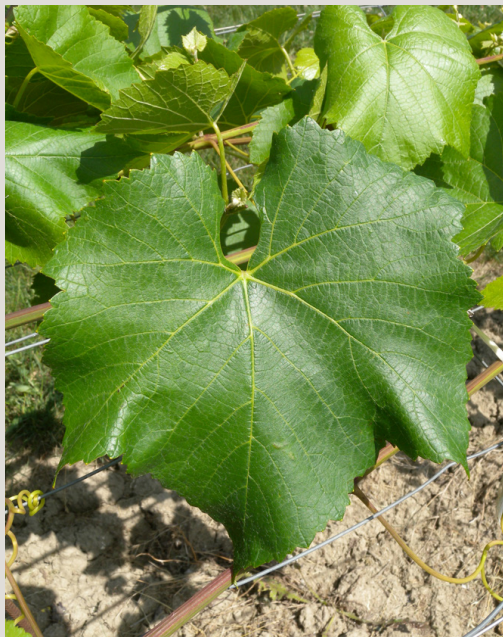
**Botrytis:** less sensitive.

**Eutypa disease:** some sensitivity.

**Anthracnose:** very sensitive.

**Rachis desiccation:** low sensitivity.

**Esca disease:** some sensitivity.



### OTHER INFORMATION

**Behavior in the nursery:** the rooting is scarce in combination with most grape varieties; it triggers a quite good scion development; induces a considerable swelling of the grafting point; both hormonal treatments and mulching are effective so as to stimulate rooting.

**Behavior in the propagation block:** it is advisable to implement breeding on trellis systems to facilitate growth and the control of cryptogams.

**Behavior in the open field:** it induces an earlier harvest; it ensures good grape quality; it is not suitable to replanting; it is suitable to dense planting systems; it also induces diametrical growth differences at the grafting point, it needs warm soils.