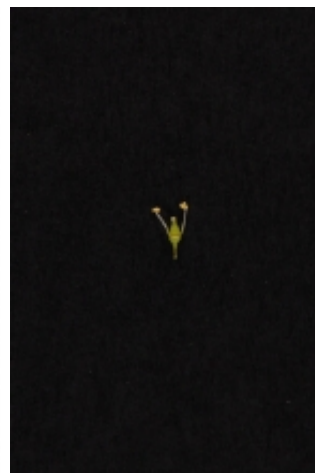




Nemadex Alain Bouquet



Name of variety in France (and usual designation)

Nemadex Alain Bouquet

Breeder/selector and year of obtention

INRA, 1987.

Genetic origin

This variety results from the crossbreeding of a *Vitis vinifera* (Cabernet-Sauvignon x Alicante Henri Bouschet) and *Muscadinia rotundifolia* (NC 184-4) F1 hybrid (VMH 8771) and 140 Ruggeri.

Evolution of mother vine surfaces



Estimated surface area of French vines grafted with the rootstock, and main

10 ha.

Descriptive elements

The identification is based on:

- the tip of the young shoot that is open with a low density of prostrate hairs,
- the green young leaves with bronze spots,
- the shoots with no erect or prostrate hairs,
- the small to medium, kidney-shaped, entire adult leaves, with an open or very open U-shaped petiole sinus, short teeth compared to their width at the base with convex sides, a smooth, not very thick leaf blade, slightly curly on the edges and involute around the petiole sinus lobes, a weak anthocyanin coloration of veins, and on the lower side of the leaves, a very low density of erect hairs and no prostrate hairs,
- the hermaphrodite flowers,
- the very small, round-shaped berries, with a blue black skin, a slightly colored pulp with a foxy taste,
- the dark brown woody shoots.

Genetic profile

Microsatellite	VVS2	VVMD5	VVMD7	VVMD27	VRZAG62	VRZAG79	VVMD25	VVMD28	VVMD32
Allel 1	135	238	231	236	214	258	236	0	249
Allel 2	149	243	245	238	214	260	238	0	251

Resistance to soil parasites

Nemadex Alain Bouquet is very highly tolerant to the root form of phylloxera. It is also partially resistant to *Xiphinema index* nematodes, which delays the infection and slows down the fanleaf virus contamination in the vineyards.

Adaptation to the environment

Nemadex Alain Bouquet resists up to 15% of "active" limestone and an ICP of 30. Its resistance to iron chlorosis is thus low to moderate. This rootstock is sensitive to temporary water excess during the spring and it is not very resistant to drought.

Interaction with grafts and production objectives

Nemadex Alain Bouquet confers a rather low vigor and induces moderate yields.

Vegetative propagation aptitudes

Nemadex Alain Bouquet has a bushy and erect bearing, with short internodes. Its wood production is consequently very low (10 to 30 000 m/ha). Nemadex Alain Bouquet has moderate to good cutting and grafting capacities.

Resistance to aerial parasites

Nemadex Alain Bouquet is not very sensitive to the gall form of phylloxera.

Clonal selection in France

In France, the only certified Nemadex Alain Bouquet clone carries the number 1163 and it is multiplied on 3 has 41 ares of mother vines producing certified material, in 2017.

Datas are extracted from: Les chiffres de la pépinière viticole, 2017, Datas and assesment of FranceAgriMer, may 2018.



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