

# SEED ORCHARD

## LES BARRES F2 (LEU-VG-003)

QUALIFIED  
category

# HYBRID LARCH – *Larix x eurolepis*

## CHARACTERISTICS OF THE

- INRAE French research
- Clone orchard
- Planting year: 1993
- Planting location: Domaine des Barres (Ste Geneviève des Bois - Loiret - France)
- Surface area: 1.7 ha
- Number of clones: 28
- Origin of clones: F1 hybrids
- Pollination method: open



## SELECTION CRITERIA

- Lack of straightness is a common defect in larches. The 28 clones were selected for their excellent straightness and vigour, within 14 F1 progenies, obtained by controlled crosses.
- These 28 clones have the same mother, the Danish clone V44, originating from the Austrian Tyrol and reputed to confer very good straightness on her progeny (clone also used in the Lavercantière and FP201 orchards).

## GENETIC GAINS

- The progeny of this orchard was evaluated in 2007 on 4 very contrasting sites, from Normandy to Ardèche, from 250 to 1,100 meters above sea level, on hydromorphic or granite soils:
- After 11 years, these tests confirmed the remarkable straightness of the trunk and a good adaptation to varied soils and climates. The growth of these F2 hybrids is intermediate between that of the best F1 hybrids and that of their parents *Larix decidua* and *kaempferi*.
- In summary, excellent straightness and a good strength/stability compromise, therefore a high-performance hybrid also in areas that are subject to wind or snow.



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