

SEED ORCHARD LE THEIL (LDE-VG-001)

QUALIFIED
category

EUROPEAN LARCH – *Larix d. sudetica*

CHARACTERISTICS OF THE

- INRAE French research
- Clone orchard
- Planting year: 1984
- Planting location: Calviac - Lot - France
- Surface area: 12.7 ha
- Number of clones: 123 (177 before thinnings 2015 and 2022)
- Origin of the clones: Sudetes stands
- Pollination method: open

SELECTION CRITERIA

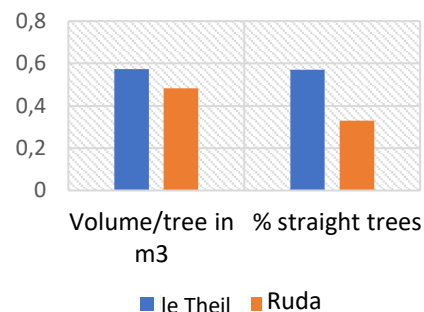
- Set up in 1957, the IUFRO provenance test network has demonstrated the benefits of the Sudetes origin for its vigour, late budburst and low susceptibility to canker.
- The components of the orchard were selected from the natural stands of the Sudetes Mountains, in Poland and the Czech Republic. The + trees were chosen for their remarkable phenotype (vigour, straightness and branching).
- All the clones were recently genotyped and inoculated/canker tested. These 2 tests guided the thinnings of 2015 and 2022, with the objective of increasing straightness and resistance to canker by an additional notch.



GENETIC GAINS

- The evaluation test at La Courtine, in Creuse, compares the progeny of the Theil orchard with the well-known stand of Ruda (Czech Sudetes): after 25 years and 2 silvicultural thinnings, the progeny of Theil shows a marked improvement in straightness and vigour (+19% in volume).

Evaluation at 25 years



VILMORIN
T. +33(0)2 41 79 41 66
semences.arbres@vilmorin.com
Route du Manoir
49250 La Ménitrie – FRANCE
vilmorin-tree-seeds.com

Limagrain