

# SEED ORCHARD

## ANGELI

Not regulated

## NORDMANN FIR - *Abies nordmanniana*

### CHARACTERISTICS OF THE ORCHARD

- 2<sup>nd</sup> generation stand
- Planting year: 1966
- Planting location: Essouvert (Charente-Maritime) - France
- Surface area: 31 ha
- Origin of the stand: seeds collected from an old stand in Sologne, itself the result of the first introductions from the Caucasus.
- Pollination method: Open



ANGELI stand in 2009

### SELECTION CRITERIA

- The search for isolated, pure French Nordmann stands is aimed at guaranteeing traceability, seed quality and good adaptation to the climatic conditions of western Europe, particularly with regard to the risk of spring frost.
- The characteristics of the Angeli site (shallow limestone soil, marked summer drought, annual rainfall of less than 700 mm) have led to natural selection, which has resulted in greater resistance to drought (compared with the original stand).
- Silvicultural thinning has improved tree growth and conformation.
- The isolation of the Angeli site from the risk of hybridisation is remarkable.

### GENETIC GAINS

- ANGELI provides guarantees similar to those given by the control Ambrolauri Tlugi: After 10 years of testing Christmas tree production in Calvados (Normandy), growth, budburst, branching and needle brushes are identical:

