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# Bredal Skov FP1100



## Passion for growth

Majland

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# Bredal Skov FP1100

## Geography / origin

The seed orchard consists of high grafted Nordmann Fir originating from selected plus-trees in Tversted F526 and F527. The mother stand is believed to be of Borjomi origin and established around 1905. Initially 100 qualitative superior plus-trees were selected based on phenotypical traits in the two compartments. Major traits for the selected trees were a general healthy and vital appearance, dense crown cover and many internodes. The orchard was established in 1988 by grafting on an existing Christmas tree plantation. Each graft was replicated 3 times totaling 300 grafts on the 0,95 ha. orchard. The seed orchard is located on the edge of Rold Skov, 16 km. north of Mariager in the northern part of Middle Jutland. The seed orchard is designated FP1100 and established in Bredal Skov, Comp. 5.1, a, b, c. at an elevation of 10 meters above sea level. The nearest Abies stand is located more than 1400 m. from the orchard. The seed orchard was approved for production of Christmas trees in 2000.



Bredal Skov, Jylland, Denmark

Shape 8 / 10



Shoot lenght 6 / 10



Branch angle 7 / 10



Winter frost resistance 5 / 10



Needle density 8 / 10



Flushing 8 / 10



## Type, shape and growth

The impression you get from a stand of FP1100 Christmas trees is of a slender yet full tree with a large majority of types with very good to excellent needle density. Growth rate surpasses normal Ambrolauri Tlugi. Shoot build is in general longer than Ambrolauri, but with good coverage and with better internodal settingi, adding to the “full” look. Since establishment 19 clones have been culled from the seed orchard based on poor needle retention, rapid growth etc., thus improving the general quality, with further genetic improvement under way. The FP1100 is a genetically broader seed orchard than many of the later established 1 and 1½ generation seed orchards with an origin from Tversted.

## Research and experience

Although FP1100 has not been part of the intensive provenance testing conducted in Denmark during the last 20 years, it has proved itself though the extensive use by growers all over Europe in the latter 10-15 years. Christmas trees produced from FP1100 have shown consistency in quality, yield and economic return under a broad array of conditions and has become a well-known Majland Brand. FP1100 is ideal on medium to lighter soils. It is relatively easy to leader control and reacts very well to pruning in and out of the growing season. The fact that the FP1100 is broad and comprised of 81 clones it encompasses possibilities for future genetic gains in an environment with ever increasing environmental challenges.

## Security of supply

FP1100 has been in production for more than 20 years. Quality and supply has over the years stabilized and we are proud of the fact, that we now can boast a stable supply of FP1100 seedlings year on year. Although we have fluctuations in harvest, the orchard yields a stable supply that together with improved storage possibilities secures a stable production and supply of seedlings.