
Knuthenborg F 844



Passion for growth

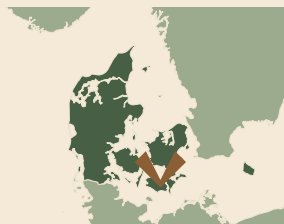
Majland

majland.eu

Knuthenborg F 844

Geography / origin

The seed orchard consists of low-grafted Nordmann trees. The grafts have been collected on a large number of selected plus-trees in Department 3 in Ambrolauri Tlugi, Georgia (before 2007 known as Department 10). The seed orchard was established by low grafting 2/2 Nordmann seedlings, which after successful grafting subsequently were planted in the seed orchard. The close to 1100 grafted seedlings were established on a 2,1 ha. large leased area in close proximity to the sea on the Knuthenborg Estate on Lolland. The grafting was done in 1994 with subsequent planting I 1995. The seed orchard is approved (F844) for the production of Christmas trees and ornamental greenery.



Knuthenborg, Lolland, Denmark

Shape

8 / 10



Shoot lenght

6 / 10



Branch angle

7 / 10



Winter frost resistance

6 / 10



Needle density

10 / 10



Flushing

8 / 10



Type, shape and growth

F844 is characterized by the well known Ambrolauri qualitative traits – late flushing, not too fast growth, good shoot build and branch angle, and good needle density and structure. The seed orchard has been thinned for improved after harvest quality, resistance to Neonectria and to eliminate early flushing genotypes. The conducted thinning improved Knuthenborg F844 in comparison to Ambrolauri provenances in general in relation to Christmas tree and greenery quality.

Research and exeperience

Seedlings from the selected plus-trees, from which the grafts were harvested 4 months late, were part of the provenance trials established on Lundbygaard and Faurskov reported in 2013. The trials confirmed that the plus-tree offspring were comparable to the general import from Ambrolauri. They showed very good qualitative traits in line with other verified imports from Ambrolauri. This in conjunction with the conducted thinnings makes Knuthenborg F844 an improved and interesting alternative adapted to European growing conditions.

Security of supply

The seed orchard has been in production since 2009, but larger seed amounts have been harvested since 2015. The silvicultural practices are aimed at optimizing the seed production. Choosing Knuthenborg F844 you are secured vigorous seedling with improved genetics compared with direct imports from Ambrolauri. Future thinnings are expected to futher improve quality in relation to Christmas tree and greenery quality.