

Abies procera (Noble fir)

Seed orchard C.E. Flensburg FP.623



The main purpose of the seed orchard is to produce progeny of blue type of high-quality of greenery.

The plus trees were selected primarily according to needle color, branch building and coverage, and secondarily according to growth volume and stem form.

Off spring can be used wherever it is recommendable to plant Abies procera (Noble fir).

FACTS

Composition

Propagation year: 1966-67

Year of establishment: 1969-70

Parent trees planted initially: 100 clones

Parent trees removed: None - genetic thinning will be carried out when the total number of clones has been tested

Design: Spacing 4.5 x 3.0 m randomized distribution

Isolated: Approx. 500 m to nearest Noble stand

Country: Denmark

Reference number: FP.623

Selection category: Tested

Identification

Species: Abies procera (Rehder) Noble fir

Ownership: Det danske Hedeselskab

Supervisor: HedeDanmark a/s, Forest Seed

Location: C.E. Flensburg Plantage, dept. 132

Latitude: 56°38 N

Longitude: 09°24 E

Altitude : 40 m.a.s.l.

Map references: A1608

Area: 2.4 ha

NET ROOT PRICE WHEN CUT

Economic comparison of the most sold provenances (except Bidstrup F. 545). Calculated as net root price, based on value of colour, coverage, and branch building, indicated for each provenance.

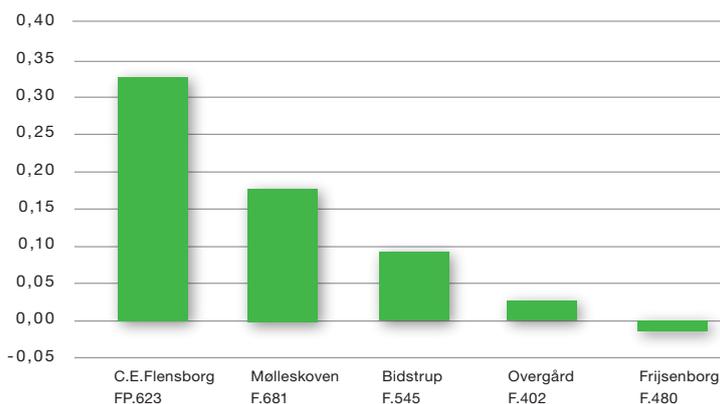
Kr./kg.



Source: Extract from "Valg af danske Nobilis provenienser til produktion af klippegrønt – Status for produktion af ungdomsgrene" (Selection of Danish Noble fir provenances for the production of greenery – status for the production of young branches), by U.B. Nielsen, FSL. Extract of table 5.2.

NEEDLE COLOUR VALUES

0 = mean average



Source: Extract from "Juletræsproduktion med danske Noble fir provenienser" (Production of Christmas trees using Danish Noble fir provenances) by N. Jøhnk, S.Fl. Madsen and U.B. Nielsen, FSL.

Basic material

The seed orchard C.E. Flensborg FP.623 is a colonel seed orchard consisting of 100 plus trees selected in the most recognized and approved seed stands in Denmark.

Genetic gain

Progeny of C.E. Flensborg FP.623 has been included in a provenance and progeny trials, together with 28 other Danish provenances of Noble fir on four different locations in Denmark. Results from the trials, have been assessed by the Danish Center for Forest and Landscape, University of Copenhagen.

Based on the results from the trials, C.E. Flensborg FP.623 was upgraded from category "Qualified" to "Tested" in autumn 2009 for the character needle colour blue.

Red needles

In addition, progeny of C.E. Flensborg FP.623 in the same trials, has proved to have the fewest needles damaged by Current Season Needle Necrosis (CSNN)