

Larix kaempferi, Japanese larch

Seed orchard C.E. Flensborg FP.615



Purpose

Production of Japanese larch from selected plus trees in various selected seed stands in Denmark.

Basic material

Dronninglund F.247 (4 clones), Kongenshus (2 clones), Legindbjerger, St. Restrup, Sostrup F.40a, Sølund comp. 4 Frijnsborg, Dronninglund F.247a and F.247b.

Selection criteria

Stem form, branch quality, growth energy and health.

Genetical gain

In 2005, the seed orchard was approved as tested in accordance with the results of the progeny trails, F.223 and F.224, at two different locations in Denmark. The qualities in which FP.615 significantly outperforms the standard Sostrup F.40d are stem form, basal sweep and diameter.

Stem form: +22.6%

Basal sweep: +20.9%

Wood diameter: +13.3%

Use

Based on the selection criteria, FP.615 is well-suited at all locations in Denmark but because of its qualities such as stem form, branch quality and growth energy FP.615 is also well-suited for the production of high quality timber in both mixed broad leaf species and mono stands. FP.615 is also well suited as a nurse tree. Progeny of FP.615 is very homogeneous. FP.615 can be used at all locations where Japanese larch is recommended.

FACTS

Composition

Year of propagation: 1961-1963

Year of establishment: 1962-1965

No. of clones planted initially: 12

No. of clones removed: 1

Plant spacing: 3.0 x 4.0

Isolation to closest larch occurrence: 500

Country: Denmark

Reference number: FP.615

Selection category: Tested

Identification

Species: Larix kaempferi, Japanese larch

Ownership: Det danske Hedeselskab

Supervisor: HedeDanmark a/s, Forest Seed

Location: C.E Flensborg comp. 137bk

Latitude: 56°03' N

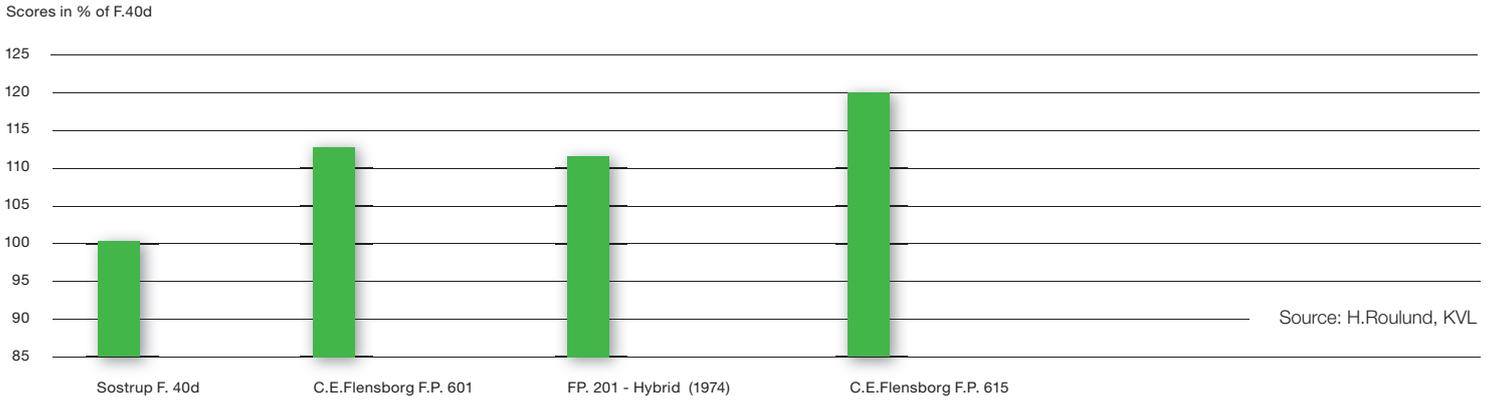
Longitude: 12°04' E

Altitude: 30 m.a.s.l.

Area: 2.6 ha

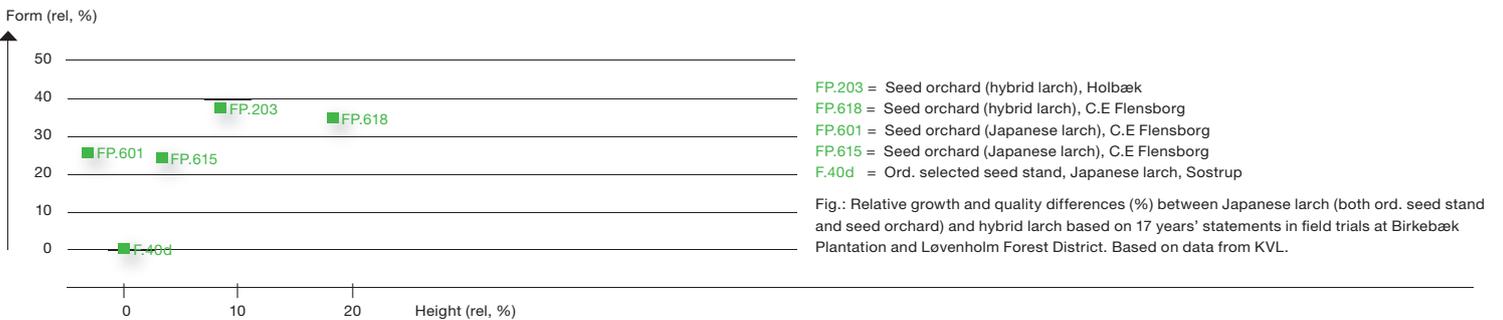
BASAL SWEEP

Percentage improvement over the standard, Sostrup F.40d



DIAMETER AND STEM FORM

Percentage improvement over the standard, Sostrup F.40d.



HedeDanmark a/s

Forest Seed
Krogårdsvej 6
Tvillum
Dk-8882 Fårvang

M: +45 21 70 04 64
F: +45 86 87 21 83
T: +45 86 87 16 55
seed@hededanmark.dk
www.hdseed.dk

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