

SX 80205 Q

Peat Seed Cover

Of the seed covers utilized in RNX 7952, peat moss appeared to improve rooting of Douglas fir in the upper part of the plug.

Experimental Design

Each treatment consists of 3 PSB 313's. Blocks will be prepared at PFRC. The interior fir part of this trial may be moved to Marguerite. Seedlots to be used are:

Fc (1060) 92H03/B1/2048/0.91 89% - double sow

Fi (5020) 92015/B3/3088/1.14 85% - double sow

Treatment 1; Control.

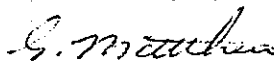
Standard 3:1 peat-vermiculite containing 3 kg/m³ 12 mesh and finer dolomite. Seed cover will be standard coarse washed sand. Soluble fertilization will approximate the attached schedule.

Treatment 2; Peat cover.

The same as control except sand cover is replaced with 5 - 6 mm depth of sifted peat moss. Pending outcome of current trials at PFRC, moss and algae surface growth will be controlled with potassium oleate (soap).

Evaluation of Results

Treatments will be sampled at the end of the growing season and assessed for height, root collar diameter and top and root dry weights. Root systems will be evaluated for numbers of laterals in depth zones. The possible purchase of a rhizometer would likely help quantify root form.



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