Abstract

In order to determine the productive potential in a fourth-generation seed orchard selection with 29 months of planting, trees were identified that have cones to harvest in 2010 and/or 2011 from which measured the percentage of trees produced cones, the production potential, the potential for seedling and planting area expected with both crops. The results indicate that 3.24% of the trees began to bear cones in 2008 and 37.16% in 2009. The production potential increased from 4 000 to 137 676 seeds a year and estimated seedling production rose from 2 800 to 96 373. With this cone production plantations is expected to make a total of 110.19 ha, 3.11 ha for 2010 and 107.08 ha for 2011, proposal at a spacing of 3 x 3 m.

Keywords

Pinus patula, seed orchard, fourth generation of selection, production potential.