

BLACK SPRUCE WOOD QUALITY

1. The Prediction of Specific Gravity

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In a preliminary survey of black spruce specific gravity, 120 trees were sampled from the six merchantable site classes in northern Ontario. One disc was removed from the base of each percentile bolt in the stem and specific gravity of the tree was calculated as the weighted average of bolt gravities. Diameter strips of 20-mm. square cross section were removed from three discs taken at the 15% height level. The number of strips required to predict mean tree specific gravity varied for different sites. On the average, five strips would be necessary for an estimate within 10% of the tree mean.

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