

Original article

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Growth Dynamics and Density of Pine Wood after Resin Harvesting in the Lingonberry Forest Type in the Leningrad region

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Abstract. The article considers the recovery of annual growth width after resin harvesting and the formation of basic wood density of a plantation of common pine passed by felling. Its basic density was determined for the samples of wood and the dynamics of wood growth was studied with its indexation. The obtained quantitative data were processed by methods of variation statistics. The influence of the width of the late xylem zone on wood density was established, and a decrease in the variation of growth indices for the period of 40 years after resin harvesting relative to the period of 20 years was shown. For the largest tree thickness classes, growth relative to model values of the growth progress curve recovered faster after resin harvesting than for trees of smaller thickness stages.

Key words: resin harvesting, pine stands, cairs, standardisation of wood growth, annual layer width.

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