

Original article

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Dendrochronological Study of the Growth of Spruce Crops with Intensive Care Felling in the Sergiev Posad District of the Moscow region

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Abstract. The paper investigates the patterns of variability of radial growth in European spruce crops in the conditions of the Sergiev Posad district of the Moscow region. Spruce crops were created as an experimental object of VNIILM for the purpose of studying the impact of logging on the formation of spruce stands intended for harvesting balance wood. Dendrochronological studies of spruce growth features in the experiment and on the control were performed. On the basis of such an indicator as the proportion of late wood in the annual ring, the quality of wood was studied in the experiment with care felling and in the control stand.

Key words: Norway spruce, felling care, forestry dendrochronology, targeted cultivation of wood, forecast of the reaction of forests to global climate change.

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