Dynamics Of Seed Production Energy Of Siberian Pine Forests Formed by Thinnings

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Study findings of various thinning impacts on dynamics of seed production energy of Siberian pine forests in sites located within mid-taiga subzone in the Khanty-Mansyisky autonomous district are presented. The experimental plots were laid in the 1980s of Tyumen FES in the territory of the «Islands» tract of the Khanty-Mansiysk forestry. Since the beginning of the experiments, about 35 years have passed and all experimental objects entered the generative phase. The results of studies on the creation of Siberian pine seed orchard showed the possibility of forming Siberian pine's forests when cutting with the complete removal of trees of unwanted species. The optimal parameters of seed bearing are observed in plantations with minimal thickness. Congested Siberian pine's forests have low rates of seed bearing. On the basis of long-term data, optimal options have been determined for the intensity of thinning care for Siberian pine's forests in order to form seed orchards. According to the results of experimental studies, a method for determining the seed production dynamics was tested.

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