

Original article

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Creation of Forestry Facilities Using Enlarged Planting Material in the Sparsely Forested Areas of the Republic of Tatarstan

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Abstract. The article is devoted to a comparative assessment of the effectiveness of using different types of planting material in forestry in the forest-steppe zone of the European part of the Russian Federation. It has been established that the parameters of 3-year-old plantations established with enlarged planting material are higher than those established with standard planting material: the height of pine trees exceeds 55%, and the survival rate is 5%; the height of oak trees exceeds 24% and the survival rate is 7%; and the height of linden trees exceeds 44% and the survival rate is 5%, respectively. The use of larger planting material, which has advantages in terms of growth rate and survival rate, will allow for a 3-year reduction in the classification of plantations as forest lands and a 2-fold reduction in the number of agricultural treatments compared to the use of standard planting material.

Key words: forestry, large-scale planting material, standard planting material, forestry technologies

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