

Original article

DOI 10.24419/LHI.2304-3083.2023.1.09

Some Results of Poplars Testing in the Central Forest-Steppe

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Abstract. The purpose of this work is to analyze the results of some really created field experimental poplar objects and to make proposals for their use. Three sections of eupopulus poplars with a spreading or semi-spreading crown growing on a populetum in the Semiluky nursery of the Voronezh region were studied: black, including euramerican hybrids of black poplars, balsamic and their hybrids. Field research allowed us to identify the most productive plants in each section by the beginning of the 4th grade of age (16 years). Among them in the black section the variety 'Regenerata' is distinguished. In the balsamic section the clones of *Populus trichocarpa* Torr. et Gray № 83 and № 84 were best. Hybrid 'E.s.-38' ('Voronezh Giant') was best in the group of eupopulus hybrids. All these genotypes can be recommended for the production of wood. The male winter-hardy clone 'E.s.-38' was recommended for landscaping not only in the test area, but also outside it.

Key words: breeding, cultivars testing, poplars, biometric indicators, the most productive clones and hybrids of the forest-steppe.

For citation: Tsarev A., Tsareva R., Tsarev V., Laur N. Some Results of Poplars Testing in the Central Forest-Steppe. – Text : electronic // Forestry information. 2023. № 1. P. 111–120. DOI 10.24419/LHI.2304-3083.2023.1.09.

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