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Features of the Growth of Gray-bark and Green-bark Forms of Aspen in Crops on the Territory of the N.V. Tsitsin Main Botanical Garden of the Russian Academy of Sciences

Denis E. Rumyantsev¹

Doctor of Biological Sciences

Natalia S. Vorobyova²

Sergey L. Rysin³

Candidate of Biological Sciences

Anna A. Kozhenkova⁴

Candidate of Agricultural Sciences

Ekaterina A. Tyutkova⁵

Candidate of Biological Sciences

Abstract. The article presents the results of a dendrochronological analysis of the growth features of the gray-bark and green-bark forms of aspen in experimental crops on the territory of the N.V. Tsitsin Main Botanical Garden of the Russian Academy of Sciences. It was found that the green-brown form shows a tendency to form wider annual rings. The gray-brown form is more drought-resistant than the green-brown, but less heat-resistant. The winter hardiness of both forms is negatively affected by the elevated temperatures in November. As temperatures increase, a general deterioration of the aspen forests of the Russian Plain should be predicted.

Key words: aspen, aspen form diversity, urban landscaping, dendrochronological information, forestry dendrochronology.

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¹ Mytishchi Branch of the Bauman Moscow State Technical University, Professor (Mytishchi, Moscow region, Russian Federation), dendro15@list.ru

² Mytishchi Branch of the Bauman Moscow State Technical University, Postgraduate Student (Mytishchi, Moscow region, Russian Federation), vorobyeva@bmstu.ru

³ N.V. Tsitsin Main Botanical Garden of the Russian Academy of Sciences, Head of the Laboratory, Leading Researcher (Moscow, Russian Federation), ser-rysin@yandex.ru

⁴ N.V. Tsitsin Main Botanical Garden of the Russian Academy of Sciences, Researcher (Moscow, Russian Federation), kozhenkova_anna@mail.ru

⁵ Forest Institute named by V.N. Sukachev of the Siberian branch of the Russian Academy of Sciences, Krasnoyarsk Scientific Center of the Siberian branch of the Russian Academy of Sciences, Senior Researcher (Krasnoyarsk, Russian Federation), tyukatie@gmail.com