

FEATURES OF CREATION OF PLANTATIONS OF POPLAR IN THE CONDITIONS OF FRESH AND MOIST SUDUBRAVA OF KYIV POLISSYA

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Among poplars which are cultivated for creation of planting of the different setting about 90% make species and forms of black poplars section (*Aigeiros* Duby). The purpose of the researches conducted by us was a study of features of creation, growth and development of planting 16 cultivars of this section in the fresh and moist sudubrava conditions of South part of Kyiv Polissya.

It is found out, that in swinging majority of cases the best indices of growth and capacity for survival of 25-sm, cuttings and height of 1-years-old cutting plants had plants from cuttings which were planted a peak, and the worst – from landed an apex downward.

With the purpose of determination of growing of different species and sorts of poplars in the conditions of fresh sudubrava, by us in spring proof-of-concept cultures were created in 2008. Chart of seating was 1,5x0,4 m. Planting material presented by the one-year are undeeep-rooted 25-sm cuttings of 16 clones of black poplars.

On spring 2012, with the purpose of thinning of planting and research of influence of height of cutting away of trees on intensity them shoot-forming capacity, part of plants was cut away on height of a 1,3 m within evenly area and at the level of surface of soil. It was set after completion of vegetation period 2012, that among uncut trees the greatest indices of growth were marked the clones I-214, Dorskamp, Robusta and Toropohrytsky poplar, and the lowest – Ghoy, I-45/51 and Marilandica. The trees of other clones were occupied intermediate position.

The high cutting of trees (on height of a 1,3 m) was provided the receipt of considerably any more amount of escapes and greater them linear sizes, due to the best luminosity of plants.

The clones of Ghoy, Dorskamp, Sun Giorgio and Toropohrytsky poplar have the greatest ability to shoot-forming capacity.

The clones of Ghoy, Heidemij and Rochester have the lowest firmness to the wreckers and excitors of illnesses, and clones of Ijzer 5, Gelrica, Robusta, Blanc du Poitou, I-45/51, Sun Giorgio and Toropohrytsky poplar have high stability.

Keywords: poplar, hybrid forms, cuttings, cutting plants, edaphically terms, intensity of growth.