

Original article

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Scientific Justification of Typical Projects of Forest Crops in Various Natural Areas of the Republic of Kalmykia

Taras Ya. Turchin¹

Doctor of Agricultural Sciences

Olga A. Bannikova²

Candidate of Agricultural Sciences

Valentin V. Popovichev³

Candidate of Agricultural Sciences

Abstract. *The reasons for the low forest cover of the Republic of Kalmykia (0.2% of the territory) are analyzed. The main factors determining the death of established plantations are harsh forest conditions and applied reforestation technologies, which do not provide the required rooting and safety of forest crops. An increase in this indicator is possible with careful planning of reforestation and afforestation.*

The analysis of technologies and operational techniques used in the republic in the production of forest plantations does not always meet the requirements predetermined by forest conditions and requires improvement.

The article presents a scientific justification of typical projects of forest crops, which vary depending on the natural zone, soil conditions, including salinity. During their development, special attention was paid to soil cultivation, planting density (at least 4.0 thousand units / ha), the range of tree species, the number and frequency of agrotechnical care.

Key words: *republic of Kalmykia, forest cover, reforestation, afforestation, survival rate of forest crops, technology of creation of forest crops, standard projects.*

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¹ South European Forest Research Experimental Station, branch Scientific Research Institute of Silviculture and Mechanisation of Forestry, Director (stanitsa Veshenskaya, Rostov region, Russian Federation), t_turchin64@mail.ru

² South European Forest Research Experimental Station, branch Scientific Research Institute of Silviculture and Mechanisation of Forestry, Head of Forestry, Pests and Diseases Group (stanitsa Veshenskaya, Rostov region, Russian Federation), olga_kowalewa@mail.ru

³ South European Forest Research Experimental Station, branch Scientific Research Institute of Silviculture and Mechanisation of Forestry, Head of the protective afforestation group (stanitsa Veshenskaya, Rostov region, Russian Federation), pvv.48@mail.ru