

Experience of Creation of Cultures of a Siberian Larch in the Tatarstan Republic

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The paper makes assessment of Siberian larch plantation establishment and production in the Tatarstan Republic conditions. Studies were conducted in experiment sites both in pure and mixed plantations. Established under various technologies.

Plantation ages in studied sites varies from 54 to 80 years, Our calculations found that mean larch tree height may at 60 years may vary due to forest growing conditions and silvicultural treatment quality from 19,4 to 24,3 m and averages $22,0 \pm 0,6$ m. Mean tree diameter varies from 20,1 to 26,8 cm and definitely depends on pine share in stand composition ($r = -0,66$), that varies from 0 to 41 %, dropping as it grows. Total stem timber growing stock in 69 year old larch plantations may vary from 283 to 516 m³/ha while large sized and mid-sized timber stock – from 158 to 389 m³/ha that proves great opportunities in these forest parameter management with silvicultural operations.

Larch plantations in the Tatarstan Republic suramen conditions are more appropriately called pure ones. Row moreover inter-row larch mix with pine results in forest productivity and viability decrease.