

# Experiment of Landscape Felling in Forests of Middle Volga Region

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**R. A. Gazizov** – *Scientific-Experimental Sabinsk Leskhoz, Forest Selected and Seed-Production Centre, Director, Postgraduate VNIILM, Vil. Leskhoz, Republic of Tatarstan, Russian Federation*

**H. G. Musin** – *Ministry of Forest Management of the Republic of Tatarstan, Assistant Minister, Doctor of Science in Agriculture, Kazan, Republic of Tatarstan, Russian Federation*

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*Defined theoretical approaches to appropriation and realization of a landscape felling depending of species composition, structure of growing stock and purposiveness of forests.*

*Experimental landscape felling with creating border effect realized for two groups of most typically growing stocks. First group presents by adjoining to land growing stock with hard-wooded broadleaved species upper over-story predominance in composite. Composite of growing stock before felling – 4V3Kl3LpedB+Os+lv, average age – 25 years, mean height – 18 m, mean diameter – 20 cm, forest density – 0,9, capacity class – III, type of forest growth conditions – oakery maple-phoney, D<sub>2</sub>, deposit – 90 m<sup>3</sup>/ha. Second group presents by derivative plantation, naturally formed after clear felling (1940 y.) at oakeries. Composite of growing stock- 6Lp1D1V1Kl1Os, mean height – 23 m, mean diameter – 24 cm, forest density – 0,7, capacity class – II, type of forest growth conditions – oakery maple-phoney, D<sub>2</sub>, deposit – 190 m<sup>3</sup>/ha.*

*By realizing landscape felling in first group for stimulation of coma evolvement of derelict trees and inhibition of their growing at height forest density degrade to 0.5, for improving passableness and visibility realized limb removing up to height 1.3 m. In second group of growing stock deleted trees with relative diameter to 0.7. Intensity of felling – 14 % of total standing volume. Educated capacities of landscape felling realizing with creating border effect, mighty raised recreational value of growing stock by creating optimal conditions for passableness.*

*In depend of growing stock condition second felling stage may be realizing through 8-10 years, but if needed of care for accretive underbrush – through 4–5 years.*