

Original article

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Forestry Trend Reclamation of Worked out Clay Quarries Efficiency in the Middle Ural Taiga Forest Region

Regina A. Osipenko¹

Candidate of Agricultural Sciences

Sergey V. Zalesov²

Doctor of Agricultural Sciences

Juri V. Zaripov³

Candidate of Agricultural Sciences

Abstract. The article touches upon the analysis of creating artificial pine plantations on worked brick clay quarries in the conditions of the Middle Ural taiga forest region. The study is based on the method of trial plots, which were laid in plantations of different ages. It was experimentally established that the reclamation forestry trend is effective and ensures the return of the coniferous to the economic circulation of the worked out brick clay quarries. By 55 years old, artificial pine stands created on the territory of worked out brick clay quarries have a stock of stem wood of 345 m³/ha and are characterized by the second bonitet class. In other words, as a result of reclamation work, high-productive artificial pine plantations are formed on the territory of worked out brick clay quarries. Tables of the growth progressing of the artificial pine forests, compiled on the basis of the conducted studies, form the basis for forestry management on reclaimed lands.

Key words: clay quarries, reclamation, forest cultures, Scotch pine (*Pinus sylvestris* L.), taxation indicators

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¹ Ural State Forestry Engineering University, Senior Lecturer (Yekaterinburg, Russian Federation), osipenkora@m.usfeu.ru

² Ural State Forestry Engineering University, Head of the Department of Forestry, Professor (Yekaterinburg, Russian Federation), zalesovsv@m.usfeu.ru

³ Ural State Forestry Engineering University, Doctoral Student (Yekaterinburg, Russian Federation), yura.zaripov.82@bk.ru