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Pollen quality at clonal plantation of west- sayan experimental forestry of siberian pine *Pinus sibirica* (Pinaceae)

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Abstract

Defining quality of pollen, produced by clones of West-Sayan experimental forestry and pollen, received from plus and heterosis trees, growing in West Sayan, used as pollinator. For analysis used cytological, histochemical methods. Discovered, that pollen, at first produced by clone Siberian pine trees at the age of 13-14, proved to be low quality. Only two clone trees (from 23 pollinate) forming double-cellular pollen-grains, that grown in culture *in vitro*.

Key words: pollen, clone, Siberian pine

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