

**SEEDING AND NATURAL REGENERATION OF SCOTS  
PINE ON CHYHYRYNS'KA SAND**

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It is shown that the maximum length (42.2 mm) cones observed in elongated, and the smallest (35 mm) - the egg. Cones were examined diameter in the range of 18.9 to 19.8 mm, and weight of a cone was 5.2 - 7.1 g cones contain from  $5 \pm 0,08 \pm 0,08$  seeds. Lionfish are lanceolate shape, transparent greyish-brown color with dark stripes. Length krylatok of  $9,4 \pm 0,07$  to  $12,7 \pm 0,06$ , krylatok width ranges from  $5,0 \pm 0,06$ - $5,8 \pm 0,07$  mm. Seeds of pine cones removed from various forms was dvoyakovypuklym and had elongated-egg shape, its length reaches  $4,3 \pm 0,03$ - $4,8 \pm 0,04$  mm, width  $2,6 \pm 0,03$ - $2,9 \pm 0,03$  mm and weight of 1000 seeds  $7,0 \pm 0,02$ - $8,9 \pm 0,02$ . Germination was located within  $92,5 \pm 0,4$ - $97,5 \pm 0,6\%$ , and the energy of germination, respectively -  $83,5 \pm 0,5$  and  $90,5 \pm 0,4\%$ . Weight of 1000 seeds of pine was  $7,3 \pm 0,5$ - $7,9 \pm 0,3$  g, and seed yield was 1-3% of the total weight of the cones.

To log cabins kept very little self-seeding pines. Number one-year self-seeding pines in cultures of fresh pine forest reaches 1.5 thousand. Pcs • ha-1 fresh pine forests - 2.6 thousand. Pcs • ha-1, but in the second year after the creation of cultures there is a significant apostasy self-seeding. Freshly boron from 1.5 thousand. Pcs • ha-1 samosivu remains only 1.1 thousand. Pcs • ha-1, and fresh pine forests with 2.6 thousand. Pcs • ha-1 - 1.9 thousand. Units • ha-1.

The 3-year-old pine seedlings number of cultures did not exceed 0.3 thousand. Pcs • ha-1. In two-and three-year annual number of cultures did not exceed pine stairs in fresh forests 0.3-0.5 thousand. Pcs • ha-1 in fresh pine forests 0,4-0,6 thousand. Pcs • ha-1, that is insufficient for a full-fledged pine stands, and so the fresh pine forests and pine forests, forest reproduction is possible only through the establishment of forest plantations.