

For seven population of *Bulbocodium versicolor* (Ker-Gawl.) Spreng. from Krasnoarmeysk, Tatishchevo, Engels, Rovnoe, Saratov and Balashov districts of the Saratov Region and Zhirnovsk district of the Volgograd Region are determined: seed productivity, weight is 1000 seeds, viability of seeds in vitro. Potential productivity of one fruit made 16 – 27 ovule. Real productivity reached 61 – 95%, or 11 – 24 seeds in a fruit. Weight of 1000 pieces of seeds fluctuated from 5.43 to 8.74 g. Seeds didn't sprout two samples. Seeds of other samples sprouted only at a low positive temperature (5 – 7° C), their viability fluctuated from 15 – 26 to 61 – 79 %.