

عنوان مقاله:

The Effect of mechanical Scarification and combination with Gibberelic acid and Potasium nitrate(Kno3) on Germination of Zizyphus Nummularia Seed

محل انتشار:

یازدهمین کنگره علوم باغبانی ایران (سال: 1398)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Zizyphus nummularia tree is one of the tropical fruits which its appearance is in the south of central Asia. This paper is done for surveying the effective methods in germinations and improvements of germinated seed characteristic. For this purpose, a test is done as a random scheme on seed germination of this tree with 5 cares in 4 iterations. Cares are consisting of distilled water, mechanical Scarification with rasper for 15 minutes and the care s combinatory effects was with Gibberelic acid (100, 500 and 1000ppm) and Potasium nitrate. results obtained from number of germinated seeds, germination percent, speed of leg growth, speed of stem growth has shown that combinatory cares are more effective that mechanical scratch care cause 24 % germination and mechanical and Gibberelic acid combinatory scratch care5 caused 500 ppm and Potassium nitrate caused 0.2% 44% germination and improvement in leg and stem growth. Increasing in Gibberelic acid caused in intense decrease in germination. But without any outstanding effect in leg and stem growth. Therefore, we can mention that in lotus seed besides scratching and lowering the crust thickness, using the hormones is effective in increasing of germination power

کلمات کلیدی:

zizyphus nummularia, germination, mechanical Scarification

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<https://civilica.com/doc/941178>

