STANDARDIZATION OF SOAKING TREATMENTS FOR SINGLE SEEDED PODS OF GROUNDNUT CV. CO 2 FOR ENHANCING SEED QUALITY

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ABSTRACT
The present study was undertaken to study whether the single seeded pods of groundnut can be used as seed without shelling and its effect on different soaking treatments in improving seed quality parameters of cv. CO 2. The single seeded pods were soaked in different solutions viz., distilled water, calcium chloride (0.5%, 1%and 2%) and ethrel (200ppm and 400ppm) for various durations of 12, 24 and 36 hrs. The single seeded pods without soaking treatment served as control. The maximum seed quality parameters viz., germination per cent, speed of germination, root length, shoot length, dry matter production, vigour index I and vigour index II were recorded from the pods soaked in 1% calcium chloride for 36 hrs.

KEYWORDS: Groundnut, Single Seeded Pods, Calcium Chloride & Improved Germination

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