



## Effect of Seed Priming on Germination of *Acacia nilotica*

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**Abstract:** The effects of season and seed priming with chemicals on seed germination of *Acacia nilotica* was assessed with ten treatments of 3 primers and 3 concentrations and one control (soaking in water). The result shows that germination percentage, mean daily germination, peak value germination value and germination energy was significantly influence by sowing seasons, different chemical primers and concentrations as well. The maximum germination percentage and germination peak value was observed in KCl 10 Mmole, which was at par with KCl 5 Mmole and KCl 15 Mmole, CaCl<sub>2</sub> 5 Mmole, CaCl<sub>2</sub> 10 Mmole, CaCl<sub>2</sub> 15 Mmole, hydro-priming and minimum for NaCl 5 Mmole (51%) irrespective of seasons, which was statistically inferior to other treatments.

**Keywords:** *Acacia nilotica*, Seed priming, Germination, CaCl<sub>2</sub>, KCl, NaCl

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