Efficacy of bio-priming in enhancing blackgram seed germination and vigour

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ABSTRACT

A study was conducted to test *in vitro* efficacy of six bioagents in improving seed germination and vigour of blackgram seed. Among the bioagents tested in roll paper towel method and plastic cup method. Biopriming helps in improving germination percentage, shoot length, root length and seed vigour of the blackgram seed over the controls *i.e.,* Hydroprimed and Unprimed seed. Among the bioagents tested, *Pseudomonas fluorescens* is found effective than other bioagents by improving the seed vigour by 88.42% over unprimed seed in roll paper towel method and 86.33% over unprimed seed in plastic cup method.

Key words: *Biopriming, Plastic cup method, Roll paper towel method and Vigour.*