

Evaluation of botanicals and bioagents to record the root, shoot length and vigour index of chickpea

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ABSTRACT

Effect of six botanicals plants extract, one fungicide and three bio-agents were studied on seed germination and seedling vigour index in chickpea (var. chaffa-816). A pot culture experiment was conducted to record the pre and post-emergence seedling mortality caused by three pathogens *Fusarium oxysporum* f. sp. *ciceri*, *Rhizoctonia bataticola*, *Sclerotium rolfsii*, in *in vitro*. Maximum germination, shoot length, root length and seedling vigour index recorded in carbendazim followed by *Trichoderma viride* and *Azadirachta indica*. Lowest pre and post-emergence seedling mortality recorded in Carbendazim followed by *Trichoderma viride*, *Azadirachta indica*, *Eucalyptus spp.*

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