



Effect of pre-sowing treatments on seed quality and field performance of brinjal hybrid cv. ARKA NAVNEET (*Solanum melongena* L.)

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Abstract : A field experiment was conducted at Main Agricultural Research Station, University of Agricultural Sciences, Dharwad during *Rabi* 2004 to study the effect of different pre-sowing treatments on seed quality and field performance in brinjal hybrid. The field experiments were laid out in a Randomized Complete Block Design. All pre-sowing treatments recorded significantly higher seed quality, growth and yield parameters over control. However, GA₃ (200ppm) recorded significantly higher fruit yield (15.76t/ha) than the other pre-sowing treatments except KNO₃ (2%), cytozyme (0.5%) and PEG 6000(-1.0MPa). Similarly initial seed quality, growth and yield components were significantly higher in GA₃ (200ppm) whereas control recorded significantly lower seed quality, growth and yield parameters.

Key Words : Brinjal, Seed treatment, Quality, Yield, Pre-sowing, Germination

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