

Effect of seed soaking treatments on quality parameters of soybean

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ABSTRACT

The entitled experiment was conducted in factorial Randomized block design with three replications on the field of Seed Technology Research Unit, Dr. Panjabrao Deshmukh Krishi Vidyapeeth Akola during *Kharif* 2006-07. Main treatment were fresh seed lot and revalidated seed lot and sub treatments consisted of six invigoration treatments including control. Seed soaking treatments with vitavax-200 and hydration (2hrs) followed by dry dressing with thirum recorded maximum germination, seedling length, seedling dry weight, vigour index, and lower electrical conductivity. All invigoration treatments and seed lot L1 recorded more number of pods/plant, 100 seed wt., H.L., seed yield/plant and yield kg/m² over control. Seed treatment with vitavax-200 (L1T5) recorded significantly highest seed yield per plant amongst all the treatments. The effect of seed soaking treatment seems to be beneficial for enhancing the seed quality parameter in soybean.

Key words : Seed soaking, Dry dressing, Quality parameters, Seed vigour, Soybean

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