

Aspect of Germination in Seeds of African Locust Bean Tree *Parkia biglobosa (jacq) Benth*

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Abstract

Investigations were carried out to determine the effect of mechanical seed scarification (clipped at 2mm from micropyle, 2mm from micropyle, 2mm at distal end and round seed circumference); storage options (refrigerator, screen house, or laboratory) and ratios of seed weight to hot water and acid concentration to treatment time on the germination of *Parkia biglobosa* seeds. Highest germination per cent were recorded in seeds scarified along the circumference. Germination was enhanced by increased acid concentration, soaking period and higher ratio of seed weight acid volume. Poor response was obtained from hot water treatment. Acid treated seeds stored in either refrigerator or in the laboratory maintained increasing germination percentage with time of storage. Irrespective of storage options, lower germination percentages were obtained in untreated seeds.

Keyword