

BIOMETRICAL GENETICS IN GROWTH CHARACTERS OF SPINY BAMBOO: *BAMBUSA BAMBOS* (L.) VOSS

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ABSTRACT : Superior stands and plantations of bamboo were surveyed for selection of candidate plus clumps (CPC) of spiny bamboo (*Bambusa bambos*). This species is one of the most important bamboos found in India. Thirty four candidate plus clumps of *Bambusa bambos* were collected and assembled and their growth parameters were periodically measured. Studies were undertaken in the nursery for evaluation of variability of the assembled CPC's and to estimate heritability and genetic advance. The genotypic variance and coefficient of variation were higher for number of internodes per shoot, average internodal length, average culm height and number of culms. High heritability coupled with genetic advance was observed for leading shoot length, average shoot length, number of culms and average culm height in *Bambusa bambos*.

Key Words : Candidate plus clumps, *Bambusa bambos*, variability, heritability, genetic advance, culm.