

IMPACT OF PUPAL WEIGHT ON REALISED FECUNDITY AND REARING PERFORMANCE OF M.Con.4 (BOMBYX MORI L.)

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ABSTRACT

Impact of differential weight of both male and female pupae on realized fecundity and rearing performance was studied in the newly evolved multivoltine breed, M.Con.4 (*Bombyx mori l.*). Both male and female pupae categorized into 4 groups based on pupal weight were intercrossed. Results revealed that both the male and female pupal weight have significant impact on realized fecundity, hatching %, mature larval weight, single cocoon weight and single shell weight. The number of eggs laid by each group of female was correlated with the pupal weight. The results registered positive and significant correlation at 1% level.

Key words: *Bombyx mori*, correlation, differential pupal weight, realized fecundity.