

INFLUENCE OF LEVEL AND TIME OF NITROGEN APPLICATION ON DIFFERENT GROWTH PARAMETERS IN BABY CORN (ZEA MAYS L)

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ABSTRACT

Nitrogen applied in 3 equal splits as 1/3 basal+ 1/3 knee height+ 1/3 pre tasseling Stages of baby corn resulted in significantly highest parameters of baby corn. Number of baby corn per plant is maximum at 90 kg N/ha i.e. 3.68 and minimum at 40 kg N/ha i.e. 1.56. In S₄ (1/3 basal+ 1/3 knee height+ 1/3 pre tasseling Stages) it is maximum i.e. 2.84. Regarding, interaction number of baby corn is maximum at S₄ and 90 kg N/ha. Green cob with husk weight is maximum (25.15 g) at 90 kg N/ha and also in S₄ i.e. 25.24 g. In case of interaction it is maximum at 90 kg N/ha and S₄ i.e. 32.19 g. Length of marketable baby corn is maximum at 90 kg N/ha and S₄ (9.64 cm). The marketable baby corn yield and baby corn with husk yield is maximum at nitrogen level 90 kg/ha i.e., 1398.98 kg/ha and 4642.17 kg/ha respectively. At schedule S₄ the marketable baby corn yield and baby corn with husk yield is 1380.03 kg/ha and 4403.24 kg/ha which is also highest. Green fodder yield is maximum at 90 kg N/ha and S₄ i.e., 32.87 t/ha and 28.19 t/ha respectively.

KEYWORDS: Nitrogen, Tassel, Knee Height, Basal

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