

Influence of Planting Densities and Nitrogen Levels on Yield of *rabi* Maize

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ABSTRACT

A field experiment was conducted during *rabi* 2014-2015 at Agricultural College Farm, Bapatla, to study the influence of planting densities and nitrogen levels on yield of *rabi* maize. The experiment was laid out in a split plot design and replicated thrice. The results revealed that planting density of M_2 (83,333 plants ha^{-1}) and S_8 (300 kg N ha^{-1} + 0.5% $ZnSO_4$ as foliar spray at tasseling) recorded highest kernel yield which was on par with M_1 (1,00,000 plants ha^{-1}) and S_8 (300 kg N ha^{-1} + 0.5% $ZnSO_4$ as foliar spray at tasseling). Foliar application of $ZnSO_4$ along with nitrogen at tasseling influenced yield attributes, kernel and stover yield significantly. The interaction between planting densities and nitrogen levels was found to be non significant.

Key words : Maize, Nitrogen levels, Planting densities, Zinc foliar spray.