

# Effect of Integrated Nutrient Management on Growth and Yield of Fodder Maize

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## ABSTRACT

The present investigation entitled “Effect of Integrated Nutrient Management on Growth and Yield of Fodder Maize” was carried out during *kharif*, 2021 on sandy loam soil at the Agricultural College Farm, Bapatla. The experiment was laid out in Factorial Randomized Block Design in three replications with two factors each at four levels. Treatments included in factor A: Manures & Fertilizer combinations and factor B: Biofertilizers & Micronutrients combinations. In manures & fertilizer combinations, the highest values of growth parameters *viz.*, plant height, leaf to stem ratio and drymatter accumulation at harvest and green fodder yield was recorded with A<sub>4</sub> treatment (75% inorganic RDN + 25% ‘N’ through poultry manure) while the lowest growth parameters and green fodder yield were observed in A<sub>1</sub> treatment (100% RDN through inorganic fertilizers). Among biofertilizers and micronutrient combinations, B<sub>4</sub> (Soil treatment with liquid Bio-fertilizer consortia + Foliar spray of 0.2 % ZnSO<sub>4</sub> and 0.5 % FeSO<sub>4</sub> at 20 & 40 DAS) recorded the highest growth parameters and green fodder yield while the lowest values of these parameters were observed in B<sub>1</sub> (control) treatment.

**Key words:** *Fodder maize, Manures, Biofertilizers, Micronutrients and Green fodder.*