

Response of Maize (*Zea Mays* L.) to Planting Densities and Nitrogen Levels Under Late *Rabi* Conditions

Mercy Zakkam, K Chandrasekhar and G Subbaiah

Department of Agronomy, Agricultural College, Bapatla 522 101, Andhra Pradesh

ABSTRACT

A field experiment was conducted during *rabi* season of 2010-11 on clay loam soils of Agricultural College Farm, Bapatla to study the response of maize (*Zea mays* L.) to planting densities and nitrogen levels under late *rabi* conditions. Increasing planting density from 66666 plants ha⁻¹ to 133333 plants ha⁻¹ reduced the yield attributes and yield of maize. Among nitrogen levels tried, application of 240 kg N ha⁻¹ resulted in increased growth, yield attributes and yield of maize. The interaction was found non significant for all the parameters with the exception of cob length, grain weight cob⁻¹ and nutrient uptake.

Key words : Growth, Maize, Nitrogen levels, Planting densities, Yield.