

# **Effect of Varying Level of Nitrogen and Intercropping on Growth, Yield Attributing Characters and Yield of Baby Corn (*Zea Mays L.*)**

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## **ABSTRACT**

A field experiment was conducted at the Agricultural College Farm, Bapatla, to study that effect of varying levels of nitrogen and intercropping on growth, yield attributing characters and yield of baby corn (*Zea mays L.*). The highest plant height (167.3 cm), drymatter accumulation (11599 kg ha<sup>-1</sup>), per day productivity (30.5 g m<sup>-2</sup> day<sup>-1</sup>) ear length & ear girth (13.93 cm & 1.55cm), ear weight with husk (62.5 g), baby corn cob yield (17048 kg ha<sup>-1</sup>) and green fodder yield (58.8 t ha<sup>-1</sup>) were recorded in Baby corn paired rows + Greengram. Application of 125% RDN gave the highest plant height (168.4 cm), drymatter accumulation (12,222 kg ha<sup>-1</sup>), per day productivity (31.5 g m<sup>-2</sup> day<sup>-1</sup>), ear length & ear girth (14.50 cm & 1.57 cm), ear weight with husk (61.6 g), baby corn cob yield (17369 kg ha<sup>-1</sup>) and green fodder yield (59.9 t ha<sup>-1</sup>).

**Key words :** Baby corn, Intercropping, Nitrogen, Growth and Yield.