

# **Growth and Yield of Sweet Corn as Influenced by Phosphorus Levels to Preceding Green Manure and Nitrogen Levels to Sweet Corn**

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## **ABSTRACT**

A field experiment was conducted at the Agricultural College Farm, Bapatla, during *kharif* 2017 to study the effect of five phosphorus levels to sunhemp as preceding green manure crop and nitrogen levels to the following sweet corn. Twenty treatment combinations, comprising five phosphorus levels to preceding green manure crop and four nitrogen levels to sweet corn were tested. The results revealed that application of 40 kg P<sub>2</sub>O<sub>5</sub> ha<sup>-1</sup> to preceding sunhemp green manure crop significantly recorded highest growth and yield of succeeding sweet corn *viz.*, plant height, drymatter accumulation, less number of days to 50% tasseling, silking, green cob yield with husk, green cob yield without husk, green fodder yield at harvest. Among the nitrogen levels tested to sweet corn maximum growth and yield attributes were recorded at 120 kg N ha<sup>-1</sup>.

**Key words :** *Fertility levels, Green manure, Sweet corn.*