Growth, Yield attributes and Yield of *Bt* Cotton as Influenced by Phosphorus levels, PSB and FYM

V S L Raj Rushi K, P Prasuna Rani, P R K Prasad, P Madhu Vani and P Anil Kumar
Department of Soil Science and Agricultural Chemistry, Agricultural College, Bapatla 522 101, Andhra Pradesh

ABSTRACT

A field experiment was conducted to study the response of *Bt* cotton to phosphorus levels, phosphorus solubilising bacteria (PSB) and farmyard manure (FYM) on a clay loam soil at Agricultural College Farm, Bapatla during *kharif*, 2011. Highest biomass, boll number and yield were recorded by the integrated treatment that received RDP+PSB+FYM followed by RDP+FYM and RDP+PSB with an increase of 32, 25 and 8 per cent in seed cotton yield, respectively over only inorganic treatment. The treatment that received 50% RDP+PSB+FYM was at par with application of RDP in seed cotton production.

Key words : Biomass, seed cotton yield and integrated nutrient management.