Productivity, Quality and Economics of Bt Cotton Hybrids as Influenced by Planting Density

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ABSTRACT

A field experiment carried out during Kharif, 2006-07 at Agricultural College Farm, Bapatla revealed that Bt cotton hybrids (RCH-20 Bt, Mallika Bt, Bunny Bt) recorded significantly higher seed cotton yield over Bunny non-Bt hybrid. Mallika Bt and Bunny Bt hybrids recorded significantly higher seed cotton yield hectare $^{-1}$ over RCH-20 Bt and Bunny non-Bt. The highest plant density of 37,037 plants ha $^{-1}$ recorded the highest seed cotton yield ha $^{-1}$, gross returns, net returns and BCR. The quality parameters *viz*., ginning percentage, 2.5% span length and fibre strength were not significantly influenced by either cotton hybrids or plant densities. Mallika Bt with the plant density of 37,037 plants ha $^{-1}$ gave the highest yield, net returns and B:C ratio than the remaining treatment combinations of Bt cotton hybrids and plant densities.

Key words : Bt Cotton Hybrids, Economics, Plant Density, Productivity,Quality.