Drymatter Production, Nutrient Uptake and Yield of Bt Cotton Grown in Inceptisols, Alfisols and Vertisols in Kurnool District of Andhra Pradesh

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ABSTRACT

A survey was undertaken to study drymatter production, nutrient uptake and yield of Bt cotton grown in soils belonging to three different orders (Inceptisols, Alfisols and Vertisols) in Kurnool district of Andhra Pradesh. There was no much variation in drymatter production of Bt cotton grown in Inceptisols, Alfisols and Vertisols. Bt cotton grown in Vertisols recorded the maximum mean uptake of N, P and K as compared to Bt cotton grown in Alfisols and Inceptisols. Similarly, Bt cotton grown in Vertisols exhibited maximum mean uptake of Mg and S as compared to Bt cotton grown in Inceptisols and Alfisols. However, Bt cotton grown in Inceptisols showed maximum mean uptake of Ca. The highest seed cotton yield was observed in Bt cotton grown in Vertisols.

Key words : Alfisols, Bt cotton, Drymatter production, Inceptisols, Nutrient uptake, Vertisols,Yield.