

Influence of Legume Intercropping on Yield of Bt Cotton

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ABSTRACT

A field experiment was undertaken to study the effect of intercropping legumes in *Bt* cotton on clay soil during *Kharif*, 2015. Experiment was laid out in Randomized Block Design with four replications. The legumes included greengram, blackgram, cowpea and soybean grown in 1:2 ratio with *Bt* cotton. Results indicated that intercropping of cotton with blackgram resulted in higher seed cotton equivalent yield which was comparable with cotton + greengram and cotton + cowpea. Legumes as sole crops resulted in higher yields than when intercropped with cotton. Performance of soybean, cowpea and greengram were on par when intercropped with cotton.

Key words: *Blackgram, Cotton, Greengram, Intercropping, Legumes.*