

Performance of Bt Cotton against Insect Pest Complex under Field Conditions

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ABSTRACT

Bt cotton hybrids were proved highly resistant against bollworms with very low larval incidence of both American and pink bollworms which resulted in less fruiting body damage compared to non Bt hybrid. However, the incidence of sucking pests was slightly elevated in Bt hybrid and simultaneously the population of predatory species was also high. The high seed cotton yield together with less investment on plant protection resulted in high cost benefit ratio from Bt hybrid compared to its non Bt hybrid under field conditions.

Key words : Bt cotton, Bollworms, C:B ratio, Sucking pests, Predators.