

Reaction of Bollgard II Genotypes Against Non-target Insects of Cotton Eco-system

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ABSTRACT

Field experiment was conducted at the Regional Agricultural Research Station, Lam to find the reaction of cotton bollgard genotypes *viz.*, Brahma BG (*Cry1Ac*), Brahma BG-II (*Cry 1Ac + Cry 2Ab*), Atal BG-II, Tulasi BG, Tulasi BG-II, along with Tulasi non-*Bt* and local variety L-788 against non-target insect pests. The lowest incidence of leafhoppers was recorded on Brahma BG (3.78 leafhoppers three leaves⁻¹), and the highest incidence was recorded in non-*Bt* genotype L-788 (5.09 leafhoppers three leaves⁻¹) with significant differences among the genotypes. The incidence of thrips and whiteflies were low during the season. Lower population of spiders and coccinellids were observed during the season.

Key words : Bollgard II genotypes, Cotton, Non-target insect pests