

Screening of *Gossypium hirsutum* L. Genotypes Against Insect Pests Under Unprotected Conditions

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ABSTRACT

Forty genotypes of *Gossypium hirsutum* L. were evaluated for their reaction to pest complex of cotton under unprotected conditions in randomised block design at Regional Agricultural Research Station, Lam during 2006-07. The entries NH 615 (0.6 no./3 leaves), CNDTS 52 (2.1 no./ 3leaves), CA 100 (2.3 no./3 leaves), GSHV 152 (2.4no./3 leaves) and BS 144 (2.5 no./ 3 leaves) recorded lowest population with jassid grade I and found promising against jassids. The per cent open boll damage due to *Heliothes armigera* varied between 2.65 to 39.76 among the genotypes with non-significant difference. The entry H 1300 showed inherent resistance to pink bollworm by recording lowest larval incidence of 12 larvae/ 20 bolls and 40% green boll damage.

Key words : Bollworms, Genotypes, *Gossypium hirsutum*, Sucking pests