

EVALUATION OF COTTON (*GOSSYPIUM HIRSUTUM*) GENOTYPES FOR THEIR REACTION TO *BEMISIA TABACI*

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ABSTRACT: Cotton (*Gossypium hirsutum*) genotypes were evaluated for resistance against whitefly, *Bemisia tabaci*. The experiment was laid out in RBD with three replications, in plot size 6X3.6 square meter. The genotypes were categorized on the basis of observed, population of Whiteflies, as resistant, tolerant and susceptible. Perusal of the data revealed that among the fifteen *hirsutum* cotton genotypes, ten genotypes K-3, K-2, KH-120, KH-121, KH-122, KH-113, JKHy-1, JK-4, KH-111 and KH-119 were categorized as tolerant while five genotypes KH-117, KH-134, KH-143, KH-138 and KH-132 as susceptible. No genotype was found resistant to whiteflies infestation. *Hirsutum* cotton genotype K-3 recorded minimum whiteflies population and gave maximum seed cotton yield, followed by KH-121 and K-2.

Keywords: *Cotton, Genotypes, whitefly, resistance*

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