

## SCREENING OF *GOSSYPIMUM HIRSUTUM* ENTRIES/ BREEDING MATERIAL OF COTTON FOR RESISTANCE TO DIFFERENT DISEASES UNDER RAINFED CONDITION

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**Abstract:** A field experiment was laid out with the two replications in different entries of cotton (*G. hirsutum*) and two rows of each entries were sown of total thirty one (31) with one check (LRA 5166) at Regional Cotton Research Station (RCRS), NAU, Bharuch, Gujarat entitled as the Screening of *Gossypium hirsutum* entries/ breeding material of cotton for resistance to different diseases under rainfed condition. Differences in resistance to all the diseases were found in the material tested under natural condition. Results revealed that the entries may vary in grade respectively. This study concludes that screening of different entries of cotton for resistance to diseases is an important factor in developing varieties/hybrids with improved resistance to different diseases in cotton crop.

**Keywords:** Cotton, Screening, Bacterial leaf blight, *Alternaria*, Wilt, Diseases, Resistance

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