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RESEARCH ARTICLE

Survey and occurrence of different diseases of cotton in cultivators' and farmers field under South Gujarat condition

■ PRASHANT B. SANDIPAN*, G.R. BHANDERI, R.D. PATEL, H.R. DESAI AND B.G. SOLANKI

SUMMARY

Cotton (*Gossypium hirsutum* L.) is the world's leading food and fibre crop. Cotton recognized as "white gold" plays a pivotal role in the economy. In this experiment, different districts of South Gujarat were closely examined for various diseases in different cultivars. The cultivars susceptible to bacterial blight viz., Surat dwarf, LRA 5166 showed bacterial blight intensity to the tune of 15 and 30 per cent, respectively. Whereas, on other cultivars like G. Cot. Hy. 6 BG II and G. Cot. Hy. 8 BG II intensity was 0.2 per cent only. Alternaria incidence was also noticed in G. Cot. 100 in good proportion (10 to 12 %) while on other cultivars, it was negligible. Roving survey was conducted at Olpad, Bhadol, Takarma and Hansot, the bacterial leaf blight (BLB) was in the range 1 to 5 per cent whereas, Alternaria leaf blight (ALB) was in the range of 3 to 10 per cent.

Key Words : Cotton, Intensity, Pest, Disease

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MEMBERS OF THE RESEARCH FORUM

Author to be contacted :

PRASHANT B. SANDIPAN, Main Cotton Research Station (N.A.U.),
SURAT (GUJARAT) INDIA

Email: prashantsandipan@gmail.com

Address of the Co-authors:

G.R. BHANDERI, R.D. PATEL, H.R. DESAI AND B.G. SOLANKI,
Main Cotton Research Station (N.A.U.), SURAT (GUJARAT) INDIA