

Studies on bacterial blight of cotton with different weather parameters under south Gujarat condition

■ PRASHANT B. SANDIPAN*, P.V. PATIL, R.D. PATEL, G.R. BHANDERI, H.R. DESAI AND B.G. SOLANKI
Main Cotton Research Station (N.A.U.) SURAT (GUJARAT) INDIA

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*Corresponding author:

Email : prashantsandipan@gmail.com

ABSTRACT

Main objective of present study is to study the progress of the bacterial blight disease of cotton (BLB), caused by *Xanthomonas campestris* pv. *malvacearum* (Smith) dye, with relation to the environmental parameters. This is a common disease affecting the growth, development and yield of cotton. A field trial was conducted to determine the influence of environmental factors viz., rainfall periods, temperature and humidity on development of disease. Bacterial blight disease was recorded with its appearance and subsequently at weekly interval till it prevailed on G. Cot. Hy. 12. The result presented and indicates that the disease was first appeared in 36th Met. week (First week of September) with 1.37 per cent intensity and prevailed upto 48th Met. week i.e. last week of November (1.75 %) with its peak during 42nd week i.e. 2nd week of October (24.50 %).

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