

Occurrence of bacterial leaf blight of rice in different districts of Andhra Pradesh

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ABSTRACT

Bacterial leaf blight of rice, caused by *Xanthomonas oryzae* pv. *oryzae*, has emerged as a significant challenge to intensive rice production in recent years. The yield losses due to the disease can range between 20.00 to 50.00 percent depending on the severity of infection. A roving survey was conducted during *kharif* 2024 across major rice-growing ecosystems of Bapatla, Guntur and Nellore districts of Andhra Pradesh to assess the disease severity of bacterial leaf blight. Among the surveyed areas Perali village recorded the highest percent disease index (57.40) at flowering stage of the variety BPT-5204 in Bapatla district, followed by T.P Gudur with 52.38 per cent disease index in BPT-5204 variety at flowering stage in Nellore district. The lowest disease severity was noted in the village Allure (21.69 %) at tillering stage in BPT-2782 variety. Among the cultivated varieties, BPT- 5204 was identified as highly susceptible to bacterial blight and the disease was more severe during flowering stage of the crop.

Keywords: *Bacterial leaf blight, Disease severity, Rice, Rice ecosystem*