

Assessment of bacterial leaf blight severity in rice caused by *Xanthomonas oryzae* pv. *oryzae* in Godavari zone of Andhra Pradesh

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ABSTRACT

Bacterial leaf blight (BLB) of rice caused by *Xanthomonas oryzae* pv. *oryzae* is one of the most important diseases in Godavari zone of Andhra Pradesh, India with a potential to cause significant yield loss. A roving survey was conducted during *kharif* 2024 to assess the bacterial leaf blight severity in predominant rice growing areas covering five districts of Godavari zone of Andhra Pradesh during panicle initiation stage to heading stage of crop growth. Bacterial leaf blight severity in the surveyed locations ranged from 48.32 to 76.24 Percent Disease Index (PDI). Comparatively more BLB severity was recorded in West Godavari district followed by Kakinada, East Godavari, Eluru and Konaseema districts. Variation in BLB severity in the surveyed locations was found associated with the rice varieties cultivated. All the cultivars from the surveyed locations were found susceptible to bacterial leaf blight of rice.

Keywords: *Andhra Pradesh, Bacterial leaf blight, BLB, Godavari zone, Oryza sativa, PDI, Rice, Survey*