

Variability in pathological characters in *Gloeocercospora sorghi* isolates from sorghum

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ABSTRACT

Zonate leaf spot caused by *Gloeocercospora sorghi* Bain and Edgerton (1943) is one of the most destructive diseases of sorghum in India and Uttarakhand is considered as a hot spot for this disease. The present investigation was carried out to record the pathogenic variability of thirty isolates of *Gloeocercospora sorghi* on five different lines of sorghum. The *G. sorghi* isolates differed significantly from each other on the basis of pathological attributes viz., latent period, aggressiveness and virulence index and thus, grouped into three virulence categories. The findings suggest that analysis of variance for latent, aggressiveness, per cent disease intensity (PDI) and virulence index showed that the variations in latent period and virulence disease reaction were attributed more to the isolates and aggressiveness to the host lines than to the isolate × host line interactions.

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