

Research Article

Biorational Management of Web Blight of Mungbean in Sub-mountainous Region of Punjab

KK Sharma¹ and Rakesh Kumar Sharma²

¹Dr D R Bhumbla Regional Research Station (Punjab Agricultural University, Ludhiana), Ballawal Saunkhri, Balachaur, SBS Nagar-144 521, Punjab; ²FASC, Gangian, Hoshiarpur (Punjab Agricultural University), Gangian-144 205, Punjab; E-mail: kksharma@pau.edu

Abstract

The web blight disease badly affects the cultivation of mungbean in Punjab which becomes severe at flowering stage of the crop. To manage above said disease, an experiment in randomized block design was conducted during kharif season in three consecutive years 2018, 2019 and 2020 comprising eight treatments in triplicates and a plot size of 5m×5m at Dr DR Bhumbla Regional Research Station, Ballawal Saunkhri, SBS Nagar, Punjab. The mean of three-year data revealed that minimum disease severity (20.56%) and PDI (37.77%) with highest disease control (38.41%) were observed in seed treatment with BSTR1 + spray of NSKE (T3). Maximum plant height (61.9 cm), pods (4.7/cluster) and grain yield (1043.1 kg ha⁻¹) were obtained from this treatment. Furthermore, significantly higher efficacy to control the blight was recorded in seed treatment and spray with Bavistin (T8) as compare to T3, however its yield was at par. The results of present study has provided an idea of managing web blight of mungbean by exploring indigenous *Trichoderma* and plant extract.

Key words: Botanical, fungicide, mungbean, *Trichoderma*, web blight

Citation: Sharma KK and Sharma RK. 2023. Biorational management of web blight of mungbean in sub-mountainous region of Punjab. *J Mycol Pl Pathol* 53(1): 29-35