

Research Article

Cultural and Morphological Variability among Different Isolates of *Alternaria alternata* Isolated from Mungbean and Urdbean

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Abstract

Mungbean (*Vigna radiata* L), commonly known as green gram is third most important pulse crop among thirteen food legume crops grown in India. An experiment was carried out at the Instructional Farm of Rajasthan College of Agriculture, MPUAT, Udaipur during *kharif* 2017 and 2018. The trial was laid in Randomized Block Design (RBD) with nine treatments including untreated control and each replicated thrice. Cultural and morphological characters of the six isolates of *A. alternata* isolated from mungbean and urdbean were studied by growing them on potato dextrose agar (PDA). Among the isolates of mungbean, a mean maximum colony diameter 90.62 mm was observed in mungbean isolate MAa-2 followed by 87.43 mm in isolate MAa-1 and isolate UAa-1 exhibited mean minimum colony diameter 77.98 mm. The sporulation for mungbean isolates was observed maximum in MAa-2 isolate with 15.70×10^3 conidia mm^{-2} of medium and least sporulation of 11.67×10^3 conidia mm^{-2} was observed in UAa-1 isolate.

Key words: *Alternaria*, conidia, mungbean, urdbean, variability

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