

Screening Blackgram Germplasm Types for Leaf Blight Disease (*Macrophomina phaseolina*) Resistance.

Macrophomina phaseolina

(Maubl.) Ashby, has been reported to cause leaf blight in black gram, (Kumar *et al* 1969; Vidhyasekaran and Arjunan, 1978). As no information is available regarding the sources for resistance in blackgram against this disease the present studies were undertaken.

Reaction of 102 black gram germplasm types (grown at the farm of Project Directorate pulses I. A. R. I. Regional Station Kanpur,) to the disease was observed under field conditions. Using the following criteria.

Tolerant-0.5% plants infected
Moderately tolerant-6.25% „
Susceptible-26-50% „
Highly susceptible-51-100% „

The germplasm types which showed tolerant reaction under field conditions were also tested under artificial epiphytotic conditions.

Seven germplasm types viz: PLU-241, PLU-137, PLU-130, PLU-1038

1/1, 7386/3 and 22/3 showed tolerant reaction (0-5% plant infected) under natural conditions. However on artificial inoculation PLU-241, PLU-137, and 1/1 alone showed tolerant reaction.

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S. N. GURHA

Project Directorate (Pulses)
IARI Regional Station
Kalianpur, Kanpur-24 (U. P.)

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