Research Paper :

Effect of leaf blight [*Macrophomina phaseolina* (Tassi.) Goid.] on growth parameters and yield of greengram and its chemical control

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SUMMARY

An experiment was conducted to know the effect of leaf blight on crop phenology of greengram and its chemical control at Pulse Research Station, NAU, Navsari during *Kharif* and summer seasons of the year 2003-2004. There was 9.38 % loss in plant height, 26.32 % loss in number of leaves, 30.00 % loss in number of pods and 40.00 % loss in pod weight per plant due to leaf blight (*Macrophomina phaseolina*). For the control of the disease, seven fungicides were tested among them Carbendazim + mancozeb(Sixer) was found significantly superior over the rest as it resulted minimum (8.13%) disease intensity.This suggests that leaf blight of mung bean (*Macrophomina phaseolina*) can be controlled very effectively by spraying of carbendazim + mancozeb (Sixer) and the huge crop loss can be saved if sprayed at the time of disease initiation.

Key words : *M. phaseolina*, Greengram, Growth, Yield, Fungicides

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