1st International Conference on Recent Developments in Science, Humanities & Management-2018
Amar Singh College Cluster University, Gogji Bagh, Srinagar (J&K) (ICRDSHM-18)
17th-18th April 2018 www.conferenceworld.in ISBN : 978-93-87793-09-5

Assessing the disease severity of Alternaria blight of rapeseed-mustard in Jammu province of J and K and screening of germplasm against the disease

Dr. Baby Summuna, Dr. Sachin Gupta and Dr. P. A. Sheikh

ABSTRACT

Alternaria blight of rapeseed-mustard caused by Alternariabrassicae(Berk) Sacc. is one of the important diseases of rapeseed-mustard in Jammu division of J&K. Survey conducted revealed that maximum disease severity in leaves at 75 DAS and 100 DAS was 38.53 and 49.71 per cent and in pods was 32.72 and 44.97 per cent, respectively, observed in District Reasi. However, Samba recorded least disease severity at 75 and 100 DAS with 20.40 and 32.97 per cent in leaves and 11.30 and 23.42 per cent in pods.Of the twenty seven different genotypes screened for their reaction against Alternaria blight, two genotypes viz. RH-8113 and PC-5 showed moderate resistance, four genotypes viz. GM-3, RH-1359, RH-819 and JM-1 were found to be moderately susceptible, eighteen genotypes viz.Geeta, PusaBahar, Rohini, RH-30, Shivani, RH-781, RGN-13, GM-2, RRN-505, Krishna, GM-1, PusaJaganath, Vaibhav, RSPN-602, DGS-1, RSPN-25, RSPN-2 and RSPR-69 recorded susceptible reaction. However, three genotypes viz.Kranti, Varuna and CS-54 were found to be highly susceptible.

Key words:*Alternaria blight, Disease severity, Germplasm screening, Rapeseed-mustard,Survey*