INTERNATIONAL JOURNAL OF PLANT PROTECTION | VOLUME 7 | ISSUE 1 | APRIL, 2014 | 189-191
e ISSN-0976-6855 | *www.researchjournal.co.in* | Open Access

IJPP

RESEARCH ARTICLE

Role of meteorological factors on development of stem and root rot disease of sesame

■ C.S. CHOUDHARY[1]*, ANJANA ARUN[1] AND S.M. PRASAD[2]

[1]Regional Research Station, Agwanpur, SAHARSA (BIHAR) INDIA
[2]Department of Plant Pathology, Birsa Agricultural University, RANCHI (JHARKHAND) INDIA

ARITCLE INFO

Received : 04.02.2014
Revised : 08.03.2014
Accepted : 18.03.2014

Key **W**ords :
Sesame, Meteorological factors, Stem and root rot, *Macrophomina phaseolina*

***Corresponding author:**
Email: csrau07@gmail.com

ABSTRACT

Stem and root rot disease appeared during the second week of July in the field and its intensity increased gradually up to August 14 and after that disease development declined. Maximum apparent infection rate of 0.122 unit/day and 0.118 unit/day was calculated at July 25, during both years of experimentations, respectively. The mean temperature 26.86 to and 28.93^{0}C, mean relative humidity 77.49 to 79.4 per cent, rainfall 5.54 mm and 13.24 mm and 12 and 14 number of rainy days were favourable for maximum disease development. Multiple regression equation between disease index and weather variables exhibited strong relationship among the different component of the epiphytotics during both the years (R^2 =0.989 and 0.985).

How to view point the article : Choudhary, C.S., Arun, Anjana and Prasad, S.M. (2014). Role of meteorological factors on development of stem and root rot disease of sesame. *Internat. J. Plant Protec.*, **7**(1) : 189-191.