INTERNATIONAL JOURNAL OF PLANT PROTECTION | VOLUME 6 | ISSUE 2 | OCTOBER, 2013 | 293-295

IJPP

RESEARCH ARTICLE

Effect of growth and sporulation on different solid media and toxin production by *Alternaria* spp. causing leaf spot on cotton

■ P.K. MEENA AND R.S. RATNOO*

Department of Plant Pathology, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Technology, UDAIPUR (RAJASTHAN) INDIA

ARITCLE INFO

Received : 13.03.2013
Revised : 25.05.2013
Accepted : 29.05.2013

Key **W**ords :
Sporulation, Media, Toxin, *Alternaria* spp., Leaf spot, Bt cotton, Non-Bt cotton

***Corresponding author:**
Email: rs_ratnoo@yahoo.co.in

ABSTRACT

In vitro physiological studies revealed that fungus grew well on PDA and malt extract media. Maximum mycelial growth was recorded on Potato dextrose agar medium at 25±2°C temperature and pH 7.0 for all the three *Alternaria* spp. The severe symptoms were produced by *Alternaria alternata* as compared to *Alternaria macrospora* and *Alternaria gossypina*. Thus, it was confirmed that the maximum toxin was produced by *Alternaria alternata* as compared to *Alternaria macrospora* and *Alternaria gossypina*. Non-Bt cotton plants were more susceptible as compared to Bt cotton plants.

How to view point the article : Meena, P.K. and Ratnoo, R.S. (2013). Effect of growth and sporulation on different solid media and toxin production by *Alternaria* spp. causing leaf spot on cotton. *Internat. J. Plant Protec.*, **6**(2) : 293-295.