

Research Paper :

Effect of different carbon and nitrogen sources on the growth and sporulation of *Alternaria alternata* (Fr.) Keissler causing leaf blight of cowpea

D.S. THAWARE, P. A. FUGRO, J.J. KADAM, R.V. KANSE AND S.C. RITE

International Journal of Plant Protection (October, 2010), Vol. 3 No. 2 : 353-355

See end of the article for
authors' affiliations

Correspondence to :

D.S. THAWARE

Department of Plant

Pathology, Ratnai

College of Agriculture,

Akluj, SOLAPUR

(M.S.) INDIA

SUMMARY

The pathogenic fungus was isolated on PDA medium. The pathogen was taxonomically identified as *Alternaria alternata* (Fr.) Keissler. The colony of *Alternaria alternata* was circular, grayish black with whitish growth on the upper surface on PDA with profuse growth and sporulation. The good growth and sporulation of the test fungus was obtained on Maltose as a source of carbon while Ammonium nitrate was found to be good nitrogen source for growth of the test fungus.

Key words :

Alternaria

alternata, Carbon

and nitrogen

source, Cowpea

Accepted :

September, 2010