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

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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