

A STUDY ON THE ASSESSMENT OF COLONY GROWTH AND SPORULATION OF  
ALTERNARIA HELIANTHI OF SUNFLOWER ALTERNARIA BLIGHT

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*Alternaria* Blight was one of the most severe diseases of sunflower in China. In order to explore a medium that can not only grow rapidly but also sporulate enormously and thus it can be used for expanding the reproduction both in do-  
ors and in fields, the experiments were done to test 11 media. Results showed that *Alternaria helianthi* (Hansf.) Tubaki et Nishi. grew and sporulated better on PDA plus sunflower kernel extract as well as on PDA plus sunflower seed extract than on other media. PDA plus sunflower seed extract, sunflower seed extract agar and Czapek's solution agar gave the best combination of colony growth and abundant sporulation. However, in production of dry inoculum, po-  
tato-dextrose plus kernel extract was the best, the kernel extract alone, the next, while Czapek's and Richard's solutions were the poorest. Sporulation on sunflower seed coat extract agar was the best, followed by PDA plus sunflower seed extract and sunflower kernel extract agar. Richard's solution agar was the least.