

## Qualitative assessment of airborne ascospores over sugarcane (*Saccharum officinarum*) field

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### SUMMARY

Aerobiological investigation was carried out with the help of air sampler over sugarcane field to find out the concentration of air borne ascospores during rainy season from 1<sup>st</sup> June to 30<sup>th</sup> September 2010 and their relation with meteorological factors, disease incidence and growth stages of crop. Out of total airspora, 18 spore types of ascospores like *Chaetomium* (1.56 %), *Dydimospheria* (1.52 %), *Pleospora* (1.01%), *Pringsheimia* (0.93 %), *Sordaria* (0.15 %) were recorded frequently over sugarcane field. Influence of meteorological factors on incidence of ascospores was observed.

**Key Words :** Airspora, Ascospores, Sugarcane field

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