

Host range of *Alternaria tenuissima* incitant of Kodo blight

K. HARIPRASAD*1, A. NAGARAJA AND SURESH PATIL

Department of Plant Pathology, University of Agricultural Sciences, Gandhi Krishi Vignana Kendra,
Bengaluru 560065, Karnataka

*Project Coordinating Unit (Small Millets), ICAR, Gandhi Krishi Vignana Kendra, Bengaluru 560065, Karnataka

Received : 13.04.2018

Accepted : 16.04.2018

Published : 30.07.2018

Metabolites produced by fungi are low molecular weight, organic compounds secreted by diverse group of fungal organisms as results of diverse beneficial, detrimental activities or chemical reactions occurring in every functional cell during its growth and metabolism. The metabolite produced in the nutrient medium by *Alternaria tenuissima*, causal agent of leaf blight of *Paspalum scrobiculatum* L. was isolated from culture filtrate in Czapek's broth medium and tested for its efficacy on infectivity to kodo millet as well as related cereals. The culture filtrate was able to incite disease in finger millet, barnyard millet, foxtail millet and rice besides kodo indicating non host specificity. Host range studies indicated that some of the cereal crops like *P. scrobiculatum*, *E. frumentacea* and *E. coracana* may be the collateral hosts for the pathogen.

Key words: *Alternaria tenuissima*, fungal metabolites, host range, Kodo blight
