

Click www.researchjournal.co.in/online/subdetail.html to purchase.

INTERNATIONAL JOURNAL OF PLANT PROTECTION
VOLUME 9 | ISSUE 1 | APRIL, 2016 | 322-328

● e ISSN-0976-6855 | Visit us : www.researchjournal.co.in



A CASE STUDY

DOI : 10.15740/HAS/IJPP/9.1/322-328

Assessment of genetic diversity of finger millet blast isolates in Tamil Nadu

■ C. ANJU* AND R. RABINDRAN

Department of Plant Pathology, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA

ARTICLE INFO

Received : 10.02.2016

Accepted : 24.03.2016

KEY WORDS :

RAPD, Finger millet, Blast,

Magnaporthe grisea

***Corresponding author:**

Email: anjuantoney@gmail.com

ABSTRACT

Blast disease caused by *Magnaporthe grisea* is one of the major production constraints in finger millet. Fourteen *M. grisea* isolates collected from blast infected leaves and panicle from different locations of Tamil Nadu were subjected to randomly amplified polymorphic DNA (RAPD) analysis using 16 different random primers for assessing diversity. A total of 83 DNA fragments in the range of 200 to 2000 bp were amplified of which, 62 bands (74.7%) were polymorphic. Cluster analysis with unweighted pair group method of arithmetic averages (UPGMA) identified two main clusters.

How to view point the article : Anju, C. and Rabindran, R. (2016). Assessment of genetic diversity of finger millet blast isolates in Tamil Nadu. *Internat. J. Plant Protec.*, **9**(1) : 322-328.