

MOLECULAR ANALYSIS OF HIGH YIELDING RICE VARIETY: GAYATRI

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ABSTRACT

Gayatri (CR 210-1018) is a high yielding, semi dwarf, low land rice variety of state Odisha, West Bengal and Bihar. A population of 35 isolates of high yielding rice variety Gayatri were collected, isolated and tested on near isogenic line differentials to find out any variation in the DNA level or not. To study pathogen population and its incidence, the rice genotypes were naturally infected and the disease incidence varied from resistance to high level of susceptibility in the trap nursery among the rice genotypes.

KEYWORDS: Rice variety-bacterial blight-DNA fingerprinting-Pathotyping.

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