

RESEARCH ARTICLE

Bacterial blight of paddy in Tungabadra project area of Karnataka: An emerging threat to paddy cultivation

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ABSTRACT

To assess the bacterial blight intensity on paddy, rowing survey was carried out for two seasons during *Kharif* 2011 and summer 2012 in different rice growing areas of Raichur, Bellary and Koppal districts. The survey was taken up on farmers paddy fields. A total of 135 fields belonging to 17 villages were covered. Standing paddy crop fields were visited and observations on disease incidence was drawn on randomly selected 10 plants in each field. Disease intensity was calculated using 0-9 scale (Anonymous, 1996). The results revealed that during *Kharif* 2011, the disease on leaf (irrespective of the district) ranged between 25.95-57.25 PDI with highest per cent disease index of 57.25 in Sirwar village of Bellary taluka, while lowest intensity was recorded in Moka (25.95) village of Bellary taluka. During summer 2012, the average PDI ranged from 38.50-62.75 with highest per cent disease intensity of 62.75 was recorded in Vijayanagar camp of Raichur district and the lowest intensity (38.50 PDI) was recorded from Kurugod village of Bellary taluka.

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