

RESEARCH ARTICLE

Survey for the status of pomegranate bacterial blight in Northern Karnataka

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ABSTRACT

An intensive roving survey was conducted in different villages of Raichur (Chandrabanda, Tuntapur, Yeganur, Kortakonda, Yapaldinni) Koppal (Koppal, Tavareger, Kustagi, Kalkabandi) and Bellary (Yellapurcross, Shirigericross and Mallapurcross) districts of Karnataka during 2008 and 2009 to assess the incidence of bacterial blight of pomegranate. It was observed that fruits were more vulnerable to the attack by bacterial blight than leaf as evidenced by more disease severity on fruits, irrespective of the season, location and variety. Among the different districts surveyed, maximum fruit infection of 44.9 PDI was recorded in Koppal district followed by Bellary (18.5PDI) and Raichur (17.35 PDI) district. Highest leaf severity of 30.75 in Koppal district and the lowest disease index on leaf was recorded in Raichur(10.4 PDI) district. Correspondingly highest lesions per plant on stem was observed in Koppal (7.4) district, lowest was at Bellary(2.3) district. Maximum disease incidence was recorded in Koppal district. The reason being, the crop by most of the farmers grown, during mrigbahar was the most vulnerable season for the existence of favourable environment such as continuous intermittent rainfall and optimum maximum temperature.

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