

A CASE STUDY

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Occurrence and distribution of bacterial blight of pomegranate caused by *Xanthomonas axonopodis* pv. *punicae* in Latur and Osmanabad districts of Marathwada region

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ABSTRACT : An extensive survey was carried out during *Kharif*, 2010 in the month of September -October in Latur and Osmanabad districts. The different orchards of Latur, Chakur, Renapur, Ausa, Nilanga, Shirur Anantpal, Udgir, Deoni, Jalkot and Ahmedpur tahsil of Latur district and Osmanabad, Tuljapur, Lohara, Kalamb, Paranda, Bhum, Washi and Umarga tahsil of Osmanabad district of Maharashtra state were surveyed to find out the disease severity of oily spot disease of pomegranate in these orchards. The observation of per cent orchards affected, per cent incidence on tree and per cent disease severity in orchards were recorded during the survey of oily spot of pomegranate. The data collected during the survey of oily spot of pomegranate clearly indicate that the disease was present in moderate to severe form in most of the orchards of Latur and Osmanabad district, however some orchards were found free from the disease. The severity of the disease was maximum in Udgir tahsil followed by Renapur and Nilanga, whereas it was maximum in Tuljapur followed by Osmanabad and Lohara tahsils of Osmanabad district. The maximum per cent disease incidence was 80.00 per cent in Latur followed by Udgir (72.72%), Renapur (66.66%), Shirur Anantpal (60%) and Ausa (57.14%). The minimum per cent disease incidence of bacterial blight of pomegranate was found in Jalkot and Deoni *i.e.*, 33.33 per cent. In Osmanabad district, the maximum per cent disease incidence was found in Lohara (83.33%) followed by Tuljapur (72.72%), Osmanabad (57.14%) and Washi (44.44%). The minimum per cent disease incidence of bacterial blight of pomegranate was found in Bhum (16.60%), Kalamb (33.33), Umarga (33.33%) and Paranda (37.50%).

KEY WORDS : *Xanthomonas axonopodis* pv. *punicae*, Oily spot, Pomegranate, Survey, Disease incidence, Severity

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