

The prevalence of stem canker of tomato in Varamin

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ABSTRACT

Investigations carried out during 1994-95 revealed an outbreak of tomato stem canker throughout Varamin region. Disease symptoms were recorded as concentric oval wounds on collar, stem and branches accompanied by leaf and fruit spots.

Symptoms related to fungal extracellular extract were seen as dark brown bands on stem and interveinal necrosis leading to drying of plant partially or completely. Tissue pathogenicity was tested by inoculation of one month old Peto early seedlings either directly or through wound with 10^6 spore/ml. Influence of extracellular extract on Peto early and Pearson varieties, which had been treated by two concentration of extracellular extract induced dark brown interveinal necrosis on leaves after 48 hours. Showing not any disease symptom after inoculation with disease agent spores, showed that potato, egg plant, pepper, tobacco, cucumber, muskmelon and squash are resistant to *Alternaria alternata* f. sp. *lycopersisi* that reported for the first time as the tomato disease agent in Iran.

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