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To notismile Etiology of Apricot-tree Decline in Shahrood CLERRAH

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Plant Pests and Diseases Research Institute

MCCAIN, A., RAABE, R. and S. TDARTERA, Plant resistant or susceptibile to

In recent years the die-back of apricot trees (Armeniaca vulgaris) has caused serious damage in Shahrood region. The wilt symptom first appeares on a few branches which then extends over the whole plant. Meanwhile petioles show epinasty and leaves get rolled, dropped and vascular tissue becomes brownish. Upon growth of infected tissues on PDA, a fungus, Verticillium dahliae, was consistently isolated. Pathogenicity of the fungus was proved on two-year old apricot trees. Inoculated palnts showed symptoms of wilting and xylem discoloration within 3-4 months. The fungus was reisolated from infected plants. Based on morphological and pathological characters the fungus was identified as Verticillium dahliae.

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