

***Rhizoctonia solani* AG2-2 THE CAUSAL AGENT OF *Thymus daenensis* ROOT ROT ***

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Abstract

Damping off, wilt, root and crown rot, and plant death of *Thymus daenensis* were observed in greenhouse and field in Lorestan province. Samples of diseased plants were collected and after surface-sterilization of infected tissues with sodium hypochlorite (1%), placed on PDA medium. Six fungal isolates were obtained from infected tissues. According to Koch's rules, the Ka2 isolate caused crown and root rots and seedling damping-off in greenhouse. According to morphological characters and anastomosis groups, the pathogenic isolate belonged to *Rhizoctonia solani* AG2-2. In addition, sequence of the ITS region and its phylogenetic analysis confirmed morphological identification. This is the first report of *R. solani* from *T. daenensis* in Iran.

Keywords: *Rhizoctonia solani* AG2-2, *Thymus daenensis*, Root rot.

See Persian text for figures and tables (Pages ۱۹۵-۲۰۱).

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