

ISOLATION AND IDENTIFICATION OF *Rhizoctonia* SPP. FROM CULTIVATED SOIL IN MAZANDARAN PROVINCE*

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(Received: 16. 10. 2010; Accepted: 12. 9. 2011)

Abstract

During 2007-2008, soil samples were collected from the 10-15 cm depth of the soil profiles at the fields and orchards in Mazandaran province. Using baiting methods, 121 isolates of *Rhizoctonia* spp. were recovered, of them 101 and 20 isolates were belonged to multinucleate (MNR) and binucleate (BNR) *Rhizoctonia* spp., respectively. Among the MNR isolates, 7 ones were assigned to *R. solani* anastomosis group one (AG-1), 38 isolates to AG-2, 5 isolates to AG-4, 3 isolates to AG-5, 13 isolates to AG-6, 11 isolates to AG-9, 3 isolates to AG-11 and 21 isolates to WAG-Z (*R. zea*). Among the BNR isolates, 15 and 3 isolates were identified as AG-K and *R. ramicola*, respectively. AG group determination was not sufficient to identify two BNR isolates. For this reason we named them as BNR-1 and BNR-2.

Keywords: *Rhizoctonia*, Anastomosis group, Soil fungi, Biodiversity.

See Persian text for figures and tables (Pages ۴۴۷-۴۵۳).

*: A Part of MSc. Thesis Submitted to College of Agron. Sci., Islamic Azad University, Branch of Damghan, Damghan, Iran.

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