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Rhizoctonia Species from Strawberry Plants in Erzincan Provinces, Turkey: Anastomosis Groups and Pathogenicity

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ABSTRACT

Rhizoctonia species are soilborne pathogens and widespread host range. The pathogen reduces the production and quality of the crops, including strawberry. *Rhizoctonia* spp. has been damage in strawberry grown for at least a century and black root rot is referred. The study was conducted determination of anastomosis groups and pathogenicity of *Rhizoctonia* isolates from strawberry plants in Erzincan Province during 2009-2010. As a result of this study, 163 *Rhizoctonia* isolates were obtained. Of these, 11 isolates were *Rhizoctonia solani*, and 152 isolates were binucleate *Rhizoctonia*. Anastomosis groups of all isolates were determined. Pathogenicity trials were conducted strawberry plants (cv. Fern) with selected isolates.

Keywords: Strawberry, *Rhizoctonia* spp., black root rot, anastomosis group, pathogenicity.