

Studies on the pathogenic potential of *Rhizoctonia solani* on *Ocimum basilicum*

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ABSTRACT: Studies were made to determine the pathogenic potential of *Rhizoctonia solani* on *Ocimum basilicum* with different initial inoculum levels (Pi) viz., 0, 0.5, 1.0, 1.5, 2.0, 2.5, 5.0 and 10.0 g mycelium/kg soil. Results indicated that highest reduction in shoot height (41.9%), root length (44.4%), shoot fresh weight (38.2%), root fresh weight (40.7%), shoot dry weight (40.9%) and root dry weight (42.9%) was observed at highest Pi of 10.0g mycelium/kg soil. Highest root infection (51.7%) was observed at highest Pi and lowest infection (4.5%) at lowest Pi of 0.5 g mycelium/kg soil.

Key Words: Initial inoculum level (Pi), *Ocimum basilicum*, pathogenic potential, *Rhizoctonia solani*.