

RESEARCH ARTICLE

Nutritional and physiological studies of *Fusarium oxysporum* f. sp. *ciceri* (Padwick) Snyder and Hansen causing wilt of chickpea

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SUMMARY

Nutritional and physiological requirements of *Fusarium oxysporum* f. sp. *ciceri* were studied using most virulent isolate FOC-2 (Jalna). Effect of different culture media on mycelial growth of *Fusarium oxysporum* f. sp. *ciceri* showed significant differences in growth and sporulation. *In vitro*, culture media studied, Potato dextrose agar (89.66 mm) and Richard agar medium (85.66) produced significantly highest mean mycelial growth and sporulation. The temperature in the range of 25°C to 30°C and pH having range of 6.0 to 7.0 produce significantly highest mean mycelial growth and sporulation of the test pathogen.

Key Words : Nutritional, Physiological, Chickpea

How to cite this article : Thaware, D.S., Kohire, O.D., Gholve, V.M., Wagh, S.S. and Chavan, A.A. (2016). Nutritional and physiological studies of *Fusarium oxysporum* f. sp. *ciceri* (Padwick) Snyder and Hansen causing wilt of chickpea. *Internat. J. Plant Sci.*, **11** (2): 213-217, DOI: 10.15740/HAS/IJPS/11.2/213-217.

Article chronicle : Received : 28.12.2015; Revised : 12.04.2016; Accepted : 26.05.2016

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