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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

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