

Interactive effect of *Trichoderma virens* and *Meloidogyne incognita* and their influence on plant growth character and nematode multiplication on *Abelmoschus esculentus* (L.) Moench

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ABSTRACT : A pot experiment was conducted to evaluate the efficacy of biocontrol agent, *Trichoderma virens* for the management of root-knot nematode *M. incognita* on okra. Interaction of *T. virens* and *M. incognita* was found to be significantly enhanced the growth and yield of okra and reduced the infestation caused by *M. incognita*. Highest improvement in growth parameters of okra was found when *T. virens* was applied alone concomitant and sequentially inoculation of *T. virens* with *M. incognita* also significantly improved growth yielding attribute of okra as compare to untreated inoculated control. Least growth and biochemical parameters and highest pathological parameters was found when nematode were applied alone. Hence, it may be concluded that *T. virens* as biocontrol agent proved to be a best method for the sustainable management of *M. incognita*.

Key Words: Okra (*Abelmoschus esculentus*), interaction, efficacy of biocontrol agent, *Trichoderma virens*, root-knot nematode (RKN) management, *Meloidogyne incognita*.