

## **Life cycle of *Meloidogyne incognita* in tomato and brinjal in different months in Indian condition**

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**ABSTRACT :** The life cycle of *M. incognita* in tomato and brinjal seedlings during different months was recorded. It was observed that inoculated seedlings raised during the month of June showed 2<sup>nd</sup> stage juveniles started invading within 40- 48 hours after inoculation. Maximum penetration of J<sub>2</sub> was observed on the 5<sup>th</sup> day after inoculation. The life cycle of the nematode was completed within 16 days during the month of June i.e. from 2<sup>nd</sup> stage juveniles to 2<sup>nd</sup> stage juveniles. The life cycle studies in June, July and August also showed similar trend, whereas in September, it was reduced by one day and in October it was extended by two days. During the month of November, the life cycle was completed in 25 days for completion of one generation. During the month of December and January, although seedlings were infected by second stage juveniles but further no development occurred due to extreme low temperature.

**Key Words:** *M. incognita*, life cycle, tomato and brinjal.