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Inducing the systemic resistance of tomato plants by root-knot nematode females extract against *Meloidogyne javanica* infection in Egypt

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Abstract : Twenty females of *Meloidogyne javanica* were homogenized with 6 ml of distilled water. The dilute homogenate suspension was applied as foliar spray on tomato plants pre, post- and non-inoculated with *Meloidogyne javanica* juveniles. Nematode females extract (NFE) significantly ($P \leq 0.05$ or 0.01%) increased growth of plants, increased protein content of roots and reduced the nematode infection. The pre-inoculation treatment was more effective than post-inoculation one. Clearly, the nematode females extract is thought to induce systemic resistance in tomato plants..

Key words: systemic resistance, tomato, root-knot nematode, *Meloidogyne javanica*.

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