

**ORGANIC AMENDMENTS FOR THE CONTROL OF
MELOIDOGYNE JAVANICA IN TOMATO I. EFFECTS
OF PSEUDOMONAS AERUGINOSA**

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Abstract

Ethanollic extract of neem cake and brown seaweeds viz., *Stoechospermum marginatum* and *Sargassum tenerrimum* caused significant mortality in *Meloidogyne javanica* larvae *in vitro*. Soil amendment with neem cake and brown seaweed alone or mixed with *Pseudomonas aeruginosa*, a plant growth promoting rhizobacterium, significantly reduced number of galls, egg mass production and population of *M. javanica* in soil. Use of organic amendments separately or mixed with bacterium significantly increased biomass of tomato foliage. No adverse effect of organic amendments was observed on bacterial survival in the rhizosphere.