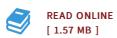




Modes of action of non-pathogenic Fusarium oxysporum endophytes for bio-ehancement of banana toward Radopholus similis

By Vu Thi Thanh Tam

Cuvillier Verlag Feb 2005, 2005. Taschenbuch. Condition: Neu. Neuware - Recently, mutualistic endophytic F. oxysporum isolates were documented as candidates for biological control against plant parasitic nematodes. However, understanding their mechanisms of action toward R. similis was poorly known. The following can be summarized from the present findings: 1. Pathogenicity of endophytic F. oxysporum isolates toward R. similis Non-pathogenic endophytic F. oxysporum isolates directly affected R. similis survival in the absence of banana plants. In both synthetic media and in the soil, F. oxysporum isolates decreased mobility of R. similis when compare to the untreated controls. F. oxysporum was not shown to be a parasite of the nematode. Toxins in culture filtrates of F. oxysporum isolates Fo162 and V5W2 reduced mobility of R. similis in vitro; however the toxic effects were not lethal. 2. Colonization, plant growth promotion and vegetative compatibility of endophytic F.oxysporum The F. oxysporum isolates Fo162 and V5W2 not only colonized excellently on banana roots a short time after fungal application but also persisted in the root tissues for over 14 weeks. The F. oxysporum isolates also promoted banana growth in long term experiments in the absence of R. similis. The F. oxysporum isolates A1, Fo162 and...



Reviews

It in a of my personal favorite pdf. Of course, it really is play, nevertheless an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Nicholas Ratke

These kinds of book is every thing and helped me hunting forward plus more. It is probably the most remarkable book we have read through. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Everett Stanton