

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



Filesize: 4 MB

Reviews

This type of publication is every thing and helped me seeking ahead and much more. It usually fails to charge too much. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Juliet Mertz)

MODES OF ACTION OF NON-PATHOGENIC FUSARIUM OXYSPORUM ENDOPHYTES FOR BIO-ENHANCEMENT OF BANANA TOWARD RADOPHOLUS SIMILIS

[DOWNLOAD PDF](#)

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 V5W2 were shown to be unrelated genetically to the important pathogenic *Fusarium* wilt diseases of bananas and tomatoes by VCG testing. Therefore, these mutualistic endophytic *F. oxysporum* isolates are not only beneficial and non-pathogenic on bananas but also are not pathogenic to other crops. These results indicate that endophytic *F. oxysporum* isolates A1, Fo162 and V5W2 are strong candidates for biocontrol in the field. 3. Modes of action of non-pathogenic endophytic *F. oxysporum* isolates toward burrowing nematode *R. similis* on banana The *F. oxysporum* isolates reduced nematode penetration in banana plants when compared to untreated controls. The *F. oxysporum* not only...

[Read Modes of action of non-pathogenic Fusarium oxysporum endophytes for bio-enhancement of banana toward Radopholus similis Online](#)[Download PDF Modes of action of non-pathogenic Fusarium oxysporum endophytes for bio-enhancement of banana toward Radopholus similis](#)

Relevant Books



Children s and Young Adult Literature Database -- Access Card

Pearson Education (US), United States, 2012. Online resource. Book Condition: New. 175 x 124 mm. Language: English . Brand New Book. Pearson s Children s and Young Adult Literature Database This searchable database of over...

[Save Document »](#)



Molly on the Shore, BFMS 1 Study score

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in.Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

[Save Document »](#)



It's a Little Baby (Main Market Ed.)

Pan Macmillan. Board book. Book Condition: new. BRAND NEW, It's a Little Baby (Main Market Ed.), Julia Donaldson, Rebecca Cobb, It's a Little Baby is a beautiful and engaging book for little ones from Julia...

[Save Document »](#)



You Wrong for That

Time Warner Trade Publishing, United States, 2006. Paperback. Book Condition: New. Reprint. 168 x 106 mm. Language: English . Brand New Book. After leaving her cheating husband, Rhea thinks she ll be alone forever. Then,...

[Save Document »](#)



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Save Document »](#)

**100+ Knock Knock Jokes: Funny Knock Knock Jokes for Kids**

Createspace, United States, 2015. Paperback. Book Condition: New. 203 x 127 mm. Language: English . Brand New Book ***** Print on Demand *****.Hilarious Knock Knock Jokes for Kids!Are you looking for a fun book to

[Save Book »](#)

**Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone)**

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Where Animals Live (Level 2: Beginning to Read Alone), Brenda Stone, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the

[Save Book »](#)

**The Bells, Op. 35: Vocal Score**

Petrucci Library Press, United States, 2013. Paperback. Book Condition: New. 276 x 214 mm. Language: Russian . Brand New Book ***** Print on Demand *****.Composed in 1913 to Konstantin Balmont's free adaptation in Russian

[Save Book »](#)

**Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book.

[Save Book »](#)

**Have You Locked the Castle Gate?**

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal

[Save Book »](#)