

()

Meloidogyne javanica

Trichoderma viride

//

Trichoderma

Meloidogyne javanica

viride

(%)

()

T. viride

()

)

(%)

Meloidogyne javanica

Trichoderma viride

)

(

Trichoderma viride

Meloidogyne javanica

Trichoderma

(*Meloidogyne javanica*)

(Single egg mass)

Rutgers

()

(*Trichoderma viride*)

Single spore

PDA

(.)

()

Rhizoctonia

() *Fusarium*

Pythium

() *solani*

() *Sclerotinia rolfisii*

() *Phytophthora*

Trichoderma harzianum

(.) *Trichoderma*

T. harzianum

Chitinase B(1.3) glucanase

()

Protease

Trichoderma

Lipase

()

Trichoderma

T.

(Egg mass)

T. koninji harzianum

Meloidogyne arenaria

T. T.12

harzianum

T. harzianum()

(.) *Globodera rostochiensis*

()

()

T. viride

M. javanica

T. viride

M. javanica

()

(

)

(

)

(

M.

T. viride

javanica

M.

T. viride

()

javanica

T.

M.

viride

)

javanica

()

()

)

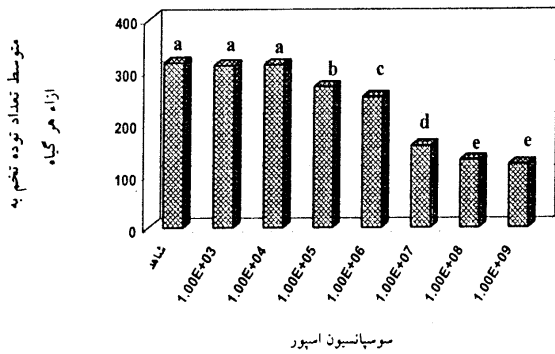
()

() °C

(

(

)



Trichoderma

Meloidogyne javanica

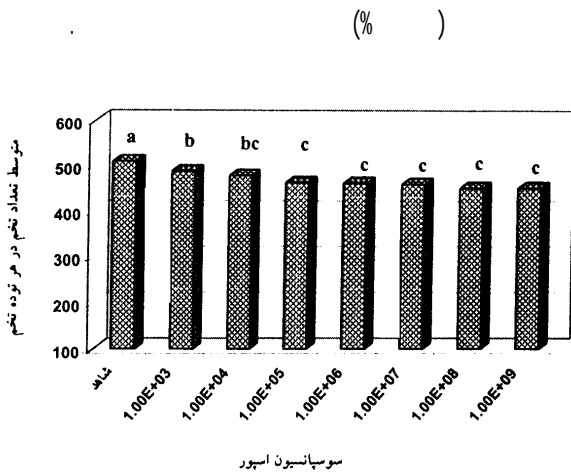
Roma VF

viride

T. viride

M. javanica

()



Trichoderma

Meloidogyne javanica

Roma VF

viride

Trichoderma

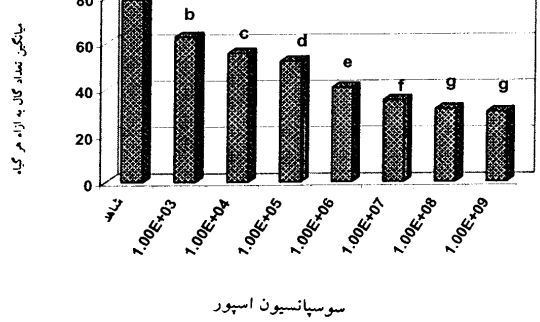
Roma VF

Meloidogyne javanica

()

viride

(%)



T. viride

M. javanica

4DAP

()

(a)

()

15DAP

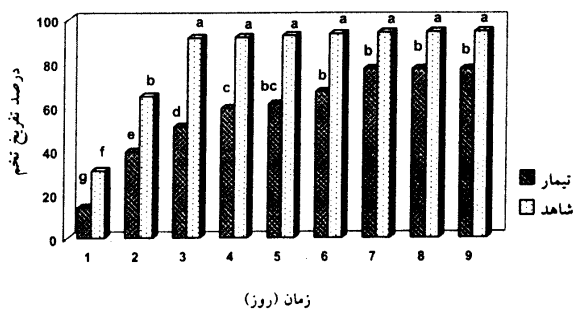
()

(e)

4DAP

15DAP

(a)



Trichoderma viride

Meloidogyne javanica

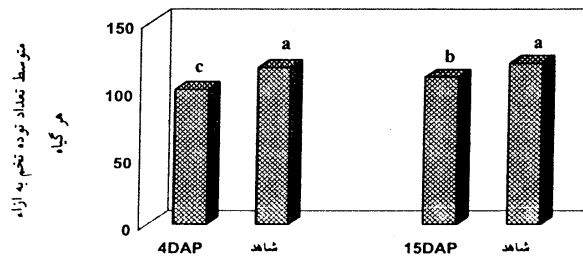
(%)

M. javanica *T. viride*

Trichoderma viride

Meloidogyne javanica

T. viride



مراحل بیولوژیک نماد

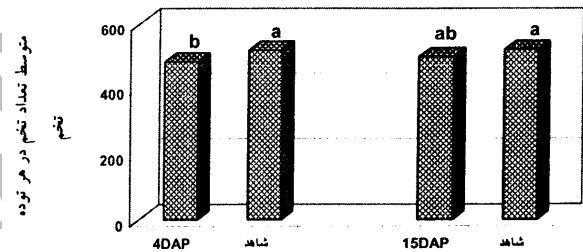
Trichoderma viride

Meloidogyne javanica

()

Roma VF

(%)



مراحل بیولوژیک نماد

Trichoderma viride

Meloidogyne javanica

()

Roma VF

(%)

T. viride

M. javanica

(a)

T. viride

a)

(b)

M.

T. viride

() *javanica*

()

)

(

T. viride

M. javanica

T. viride

T. viride

M. javanica

T. viride

T.

viride

(4DAP)

(15DAP)

Chitin

()

Chitinase

T.

harzianum

T. viride

M. javanica

4DAP

T.

T. viride

M. javanica

viride

(

)

REFERENCES

Fusarium oxysporum

Meloidogyne javanica

f.sp. *lycopersici*

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