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*Verticillium dahliae*  
*Meloidogyne javanica*

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*Verticillium dahliae*  
*Meloidogyne javanica*

*Verticillium dahliae*

*Meloidogyne javanica*

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(p ≤ / )

(p ≤ / ) ( )

*Verticillium dahliae* *Meloidogyne javanica* :

*V. dahliae*

(Ruggieri, 1946)

مقدمه

*Verticillium dahliae* Klebahn

*V. dahliae*

(Rahnama *et al.*, 1998)

*M. javanica*

(*Meloidogyne* spp.)

*M. javanica* *V. dahliae*

*Meloidogyne javanica*

(Treub) Chitwood

(Akhiani *et al.*, 1984; Jepson, 1987)

***V. dahliae***

***V. dahliae***

) *V. dahliae*

(Devay *et al.*, 1997; Ogallo & McClure, 1996)

(SS-4

*V. dahliae*

(Bower *et al.*, 1996)

*V. dahliae*

PDA

*Meloidogyne*

(Hassan, 1993; Prot, 1993)

(Cobb) Filipjev *V. dahliae*

*Pratylenchus penetrans* & Schuuman stekhoven  
( )

(1992) Hilloks

PDA

(Bower *et al.*, 1996;

Riedel *et al.*, 1985; MacGuidwin & Rouse, 1990)

(2000) Rahman *et al.*

(Bhat & Subbarao, 1999; Khan *et al.*, 2000)

*Fusarium solani* (Mart.)

*M. javanica*

*Fusarium oxysporum* Schlechtend Appel & Wr.

*M. javanica*

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(Khan *et al.*, 2000)

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(Khan *et al.*, 2000)

***M. javanica***

*M. javanica*

(Devay *et al.*, 1973)

*V. dahliae*

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(De Grisse, 1969)

PDA

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*M. javanica*

*M. javanica*

(1991) Nickle (1987) Jepson

(Rutgers)

(1973) Hussey & Barker

(propagule)

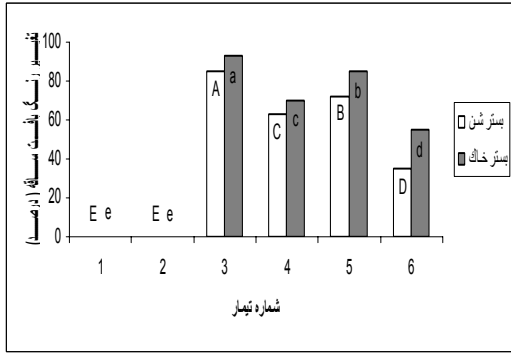
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PDA

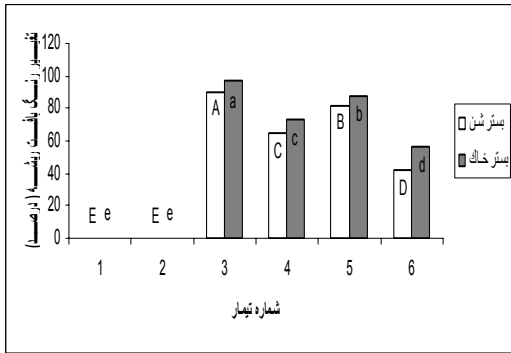
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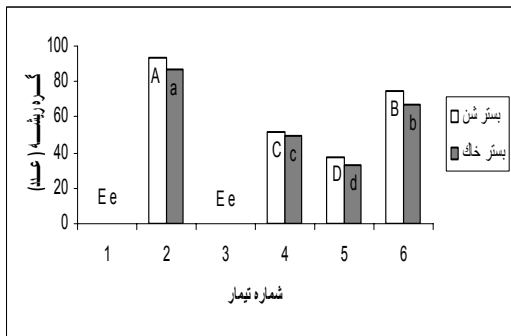




*V. dahliae*



*V. dahliae*



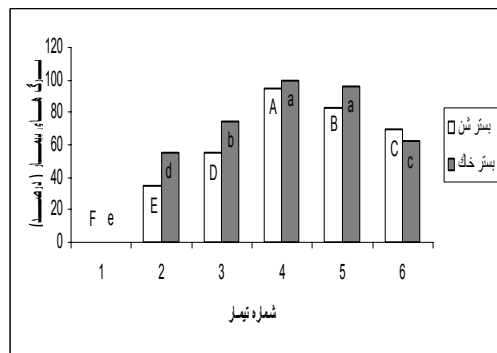
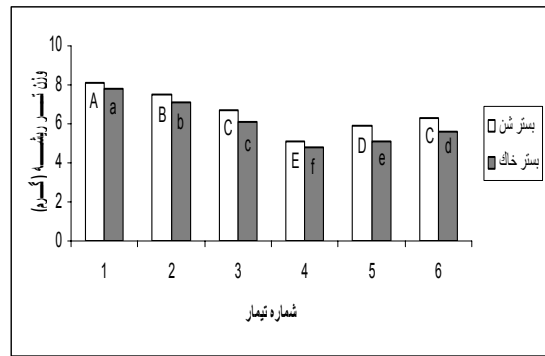
*M. javanica*

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%  
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(Schnathorst, 1981)

(1983) Fattah & Webster

*M. javanica*

*Fusarium oxysporum* f.sp. *lycopersici* (Sacc.) Wr.

(Riedel *et al.*, 1985; *M. javanica*  
Mai & Abawi, 1987; MacGuidwin & Rouse, 1990;  
Kroon & Elgersma, 1993; Bower *et al.*, 1996;  
.Devay *et al.*, 1997; Rahamn *et al.*, 2000;)

*V. dahliae*

*M. javanica*

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*V. dahliae*

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(Fattah & Webster, 1983)

(1987) Mai & Abawi

DNA RNA

(giant cell)

*V. dahliae*

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*M. javanica*

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(1983) Ribeiro & Hagedorn

*V. dahliae*

*F. oxysporum* f.sp.

*phaseoli* Kendric & Synder

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(1991) Khan &amp; Hosseini-Nejad

*M. javanica**F. oxysporum* f.sp. *ciceri* (Padwick) Synder & Hansen**REFERENCES**

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