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Verticillium dahliae

Meloidogyne javanica

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Meloidogyne

Verticillium dahliae

javanica

() *M. javanica*

(×) *V. dahliae*

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Verticillium dahliae *Meloidogyne javanica* :

Olea europea L.

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(*Meloidogyne* spp.)

Meloidogyne javanica (Treub),1885

Chitwood,1949

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Verticillium dahliae Klebahn

V. dahliae

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M.

V. dahliae

javanica

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V. dahliae

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() *V. dahliae*

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M. javanica

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M. javanica

V. dahliae

M. javanica

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M.

javanica

% / % / ECE= / ds/m pH= /
% /

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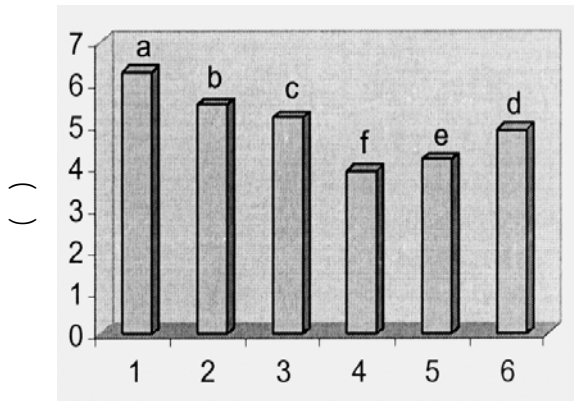
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1. Rutgers

2. chlorotic

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V. dahliae

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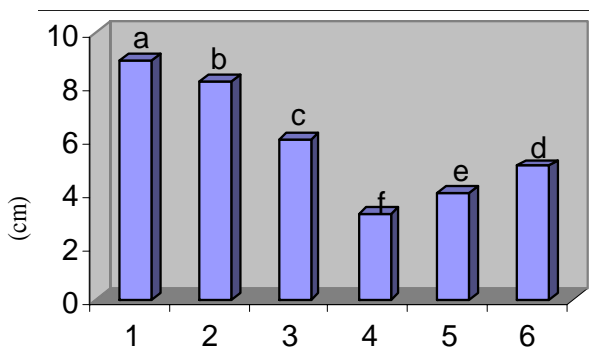
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M. javanica

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V. dahliae

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V. dahliae

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x

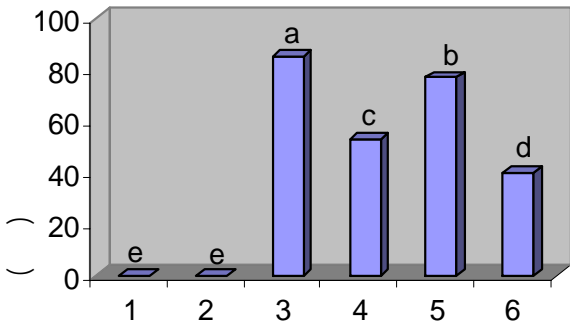
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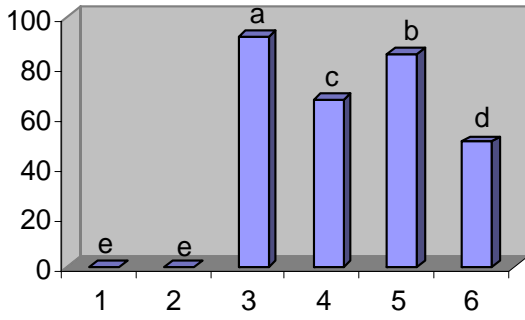
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- 1. necrotic
 - 2. verticillate
 - 3. subulate

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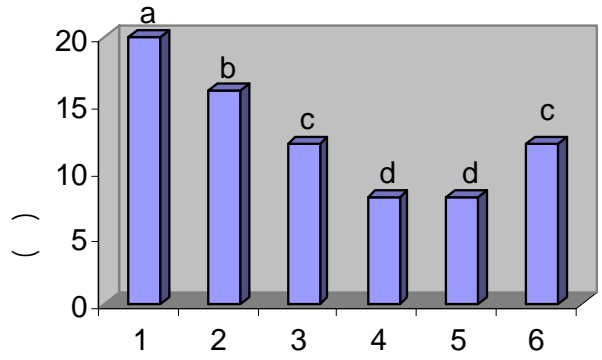
V. dahliae ()



V. dahliae ()



V. dahliae ()

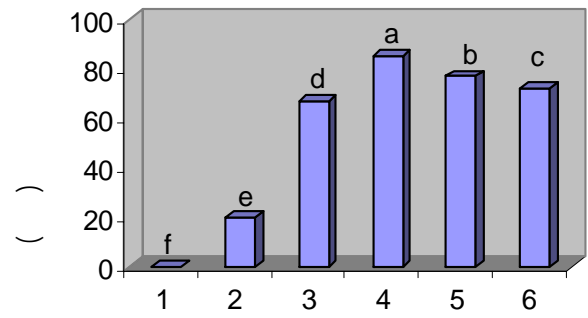


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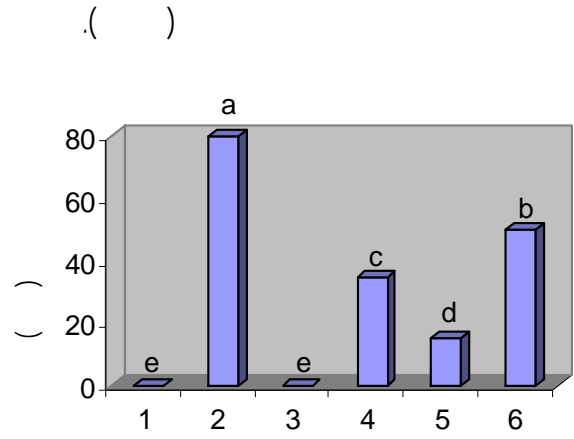


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M. javanica

V. dahliae

M. javanica



M. javanica

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1. rhizosphere
 2. synergism

M. javanica

M. javanica .()

V. dahliae .()

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M. javanica *V. dahliae*

M. javanica *V. dahliae* .() ()

M. javanica

(giant cells)

V. dahliae

V. dahliae

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