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(Buhler, 2002)

(Buhler et al., 2000)

(Wyse,1994)

() (Mitchell, 1998; Wyse, 1992; Gressel, 1992)

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- () (Ackley et al., 1996a; Vereijken & Vanloon, 1991)

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(Van Gessl & Renner, 1990)

(2001) Bailey et al.

/ / pH

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(+) (Eberlein et al., 1997)

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(Monaco et al., 2002)

(2003) Khaliq & Imran

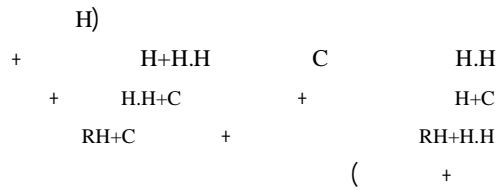
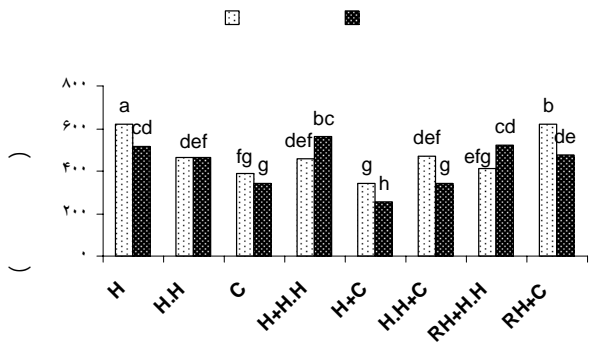
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(Eberlein et al., 1997)

(Wall & Friesen, 1990b)

$$(X+0.5)^{1/2}$$

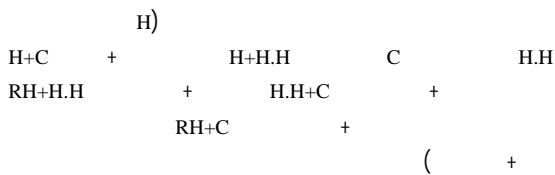
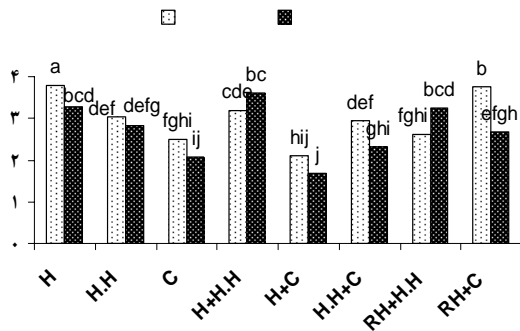
X



(Bailey et al., 2001)

Mstatc

Excel



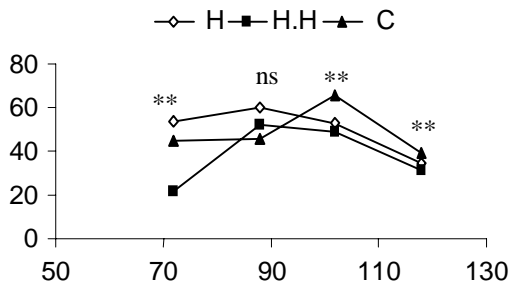
(2001) Bailey et al.

(Bailey et al., 2001)

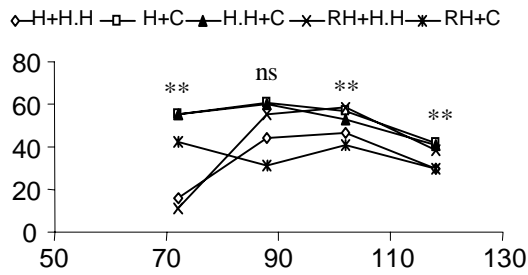
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(2000) Bellinder et al.

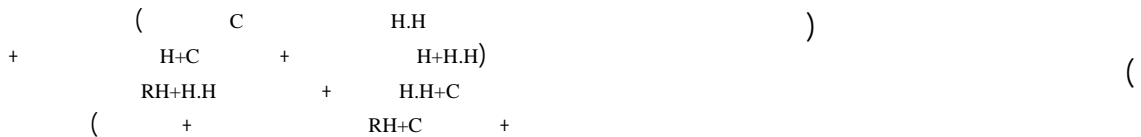
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(1989) Wallace & Bellinder



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(2003) Wiltshire et al. ()

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 (Melender & Rasmussen, 2001) (())
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 + (2000) Bellinder et al. ()
 (1999) Rajalahti et al. ()
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 (2001) Melender & Rasmussen

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/ bc	/ abc	/ bc	/ abc	+ .
/ c	/ abc	/ abc	/ a	+ .
/ c	/ ab	/ bc	a	+ .
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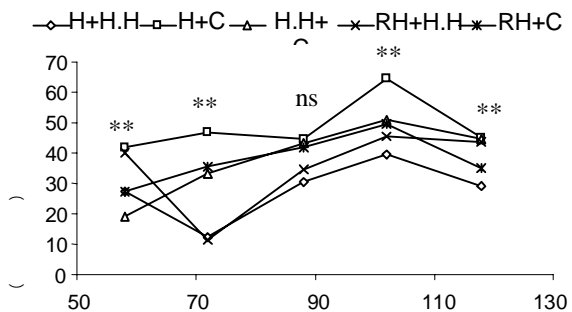
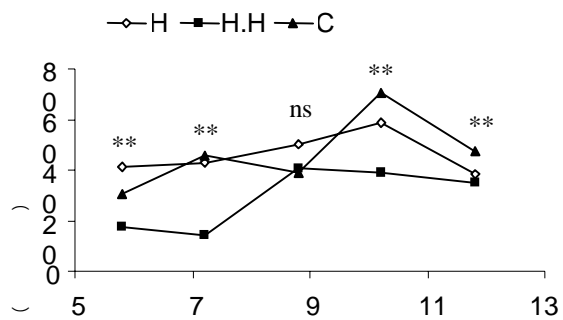
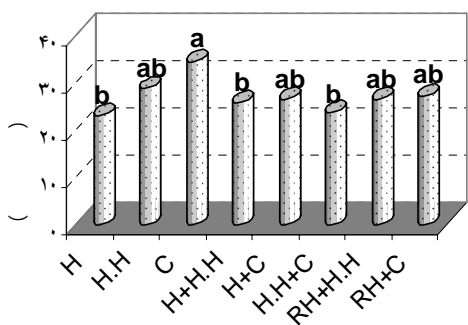
(Rezai & Soltani,

1997)

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(1990) Wall & Friesen .()

(1999) Rajalahti et al.



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(2001)Bailey et al

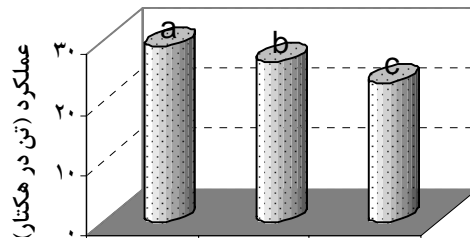
(1989) Wallace & Bellinder .

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(1997) Eberlein et al.



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(2001) Bailey et al.

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ab	bc	+
b	c	
ab	abc	
b	a	
b	c	+
ab	bc	+
ab	bc	+
ab	abc	+
a	ab	+

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