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()
(*Carthamus tinctorius* L.)

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(/ / : / / :)

(LRV 5151)

Archive of SID

(Ninganoor et al., 1995)

(*Carthamus tinctorius* L.)

(Ingram & Bartels, 1996; Jones & Verneye,

1992)

()

(Mahajan & Tuteja, 2005)

% /

% /

(Zeinali, 1999)

%/

% /

%

(Lee et al., 2004)

(Arnon, 1986)

(Wilkinson, 2002)

(:)

(:)

(Mahajan & Tuteja, 2005)

(:)

(:)

(Hamrouni et al., 2001)

(Paquine et al., 1979)

(*Brassica napus* L.)

3. Eukaryotic desaturation pathway

1. Betaines
2. Ectoine

... () :

(Bokhari & Trent, 1985;

/ / /

.Bucheran et al., 1996)

. ppm / /

)

(

.(Mekki et al., 1999)

(*Arachis hypogaea* L.)

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.(Dwived et al., 1996)

.(Blum, 1996)

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.(Hamrouni et al., 2001)

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(

(1997) Tanaka et al.

()

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/ /

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/

/ / Ec pH

(Paleg & Aspinall, 1981; Sanchez et al., 1998)
(*Medicago sativa* L.) (1992) Irigoyen et al.
(*Pisum sativum* L.) (1998) Sanchez et al.

Paquine & Lechasseur

(1979)

(1992) Irigoyen et al.

(1966) Metcalf et al.

UNICAM 4600 Gas Chromatograph
BPX 70

SAS

($P < /$)

MS Office

(Bukhari & Terent, 1985)

(Hekmat Shoar, 1993; Sanchez et al., 1998)
(1985) Bokhari & Terent

× ()

()

(/)

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()

(Bajji et al., (Zaifnejad et al., 1997)
(Kundu & Paul, 1997) 2001)

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)

... () :

(Hamrouni et al., 2001)

()

()
()

()

(:O) " ×)

.() (p< /) (

.()

Mekki et al. (2001) Hamrouni et al.

(*Helianthus annus* L.) (1999)

Eliass & Stephen

(2001)

" × "

× " (p< /)

(p< /)" × " "

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.() (/)

(Hamrouni et al., 2001)

(:)

.()

(Dwived et al., 1996)

(:)" "

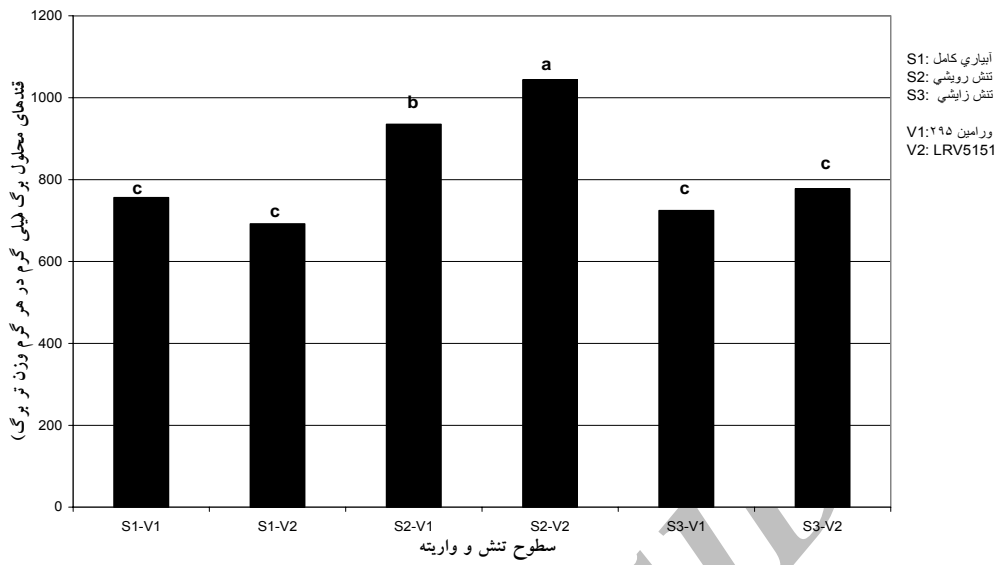
.()

/ *	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns
/ **	/ **	/ ns	/ **	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns
/ ns	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns
/ ns	/ ns	/ ns	/ **	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns
/ ns	/ *	/ **	/ **	/ **	/ *	/ ns	/ ns	/ ns	/ ns
/ ns	/ ns	/ ns	/ **	/ *	/ *	/ ns	/ ns	/ ns	/ ns
/ ns	/ ns	/ ns	/ **	/ *	/ ns	/ ns	/ ns	/ ns	/ ns
/ ns	/ ns	/ ns	/ **	/ ns	/ ns	/ ns	/ ns	/ ns	/ ns
/	/	/	/	/	/	/	/	/	/

% %

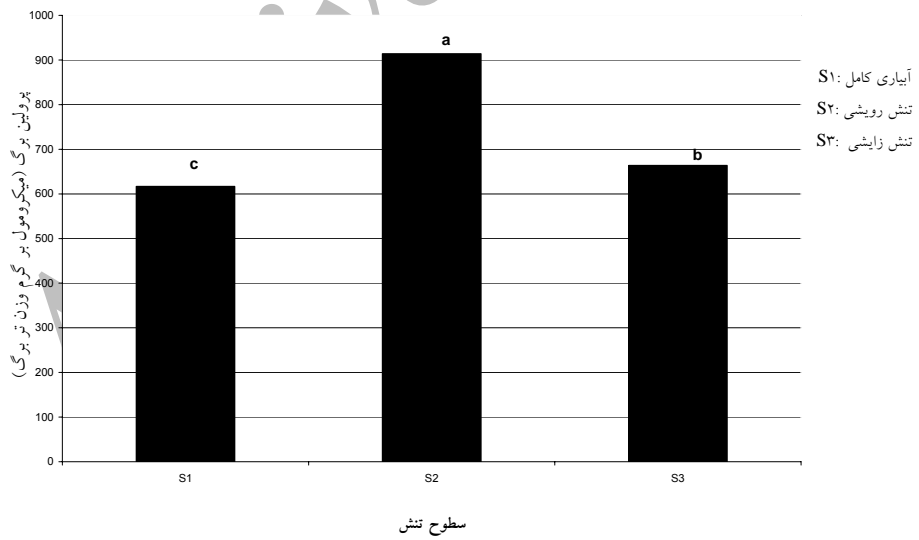
** * ns

(S)
()
(V)
(F)
V × S
F×S
V ×F
S × V×F
()

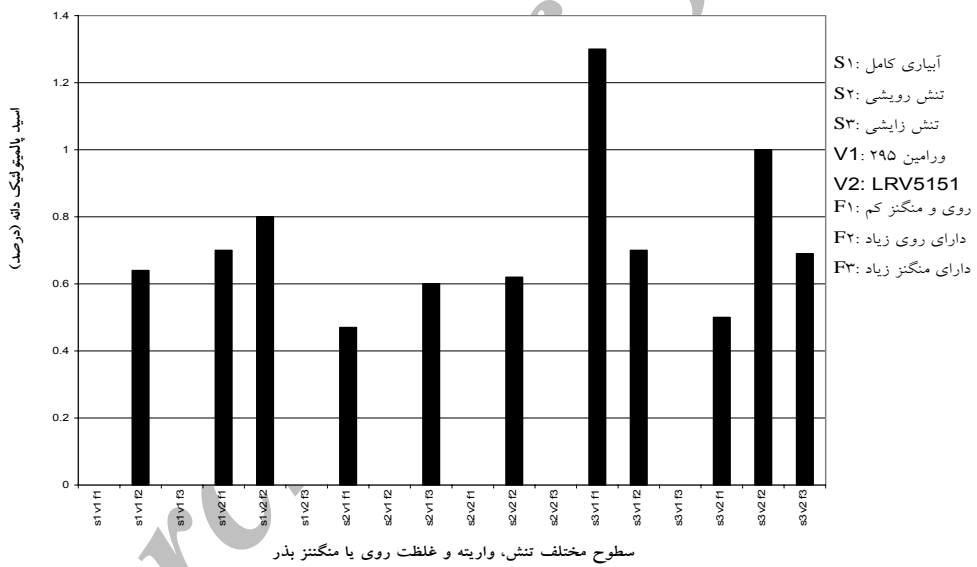
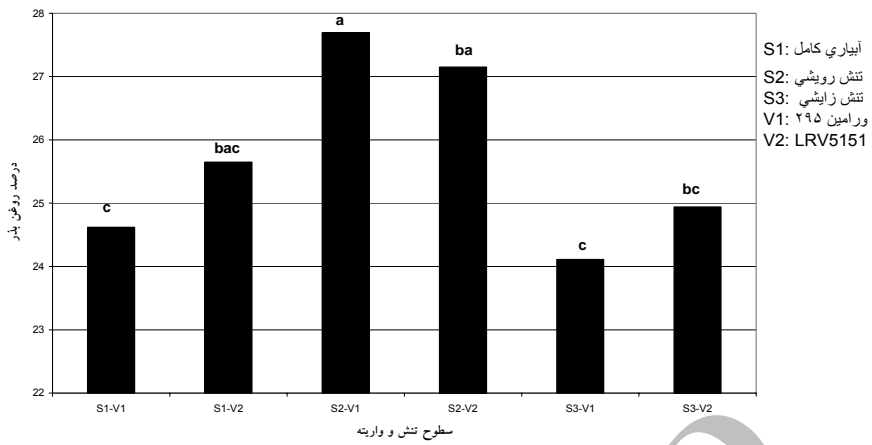


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... () :

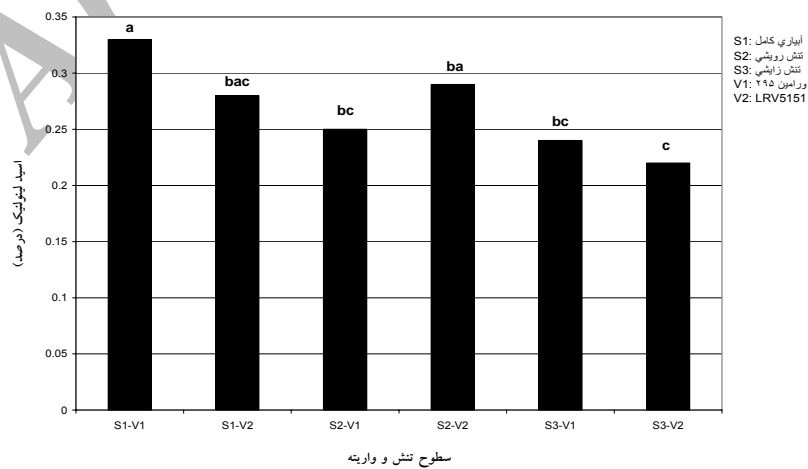
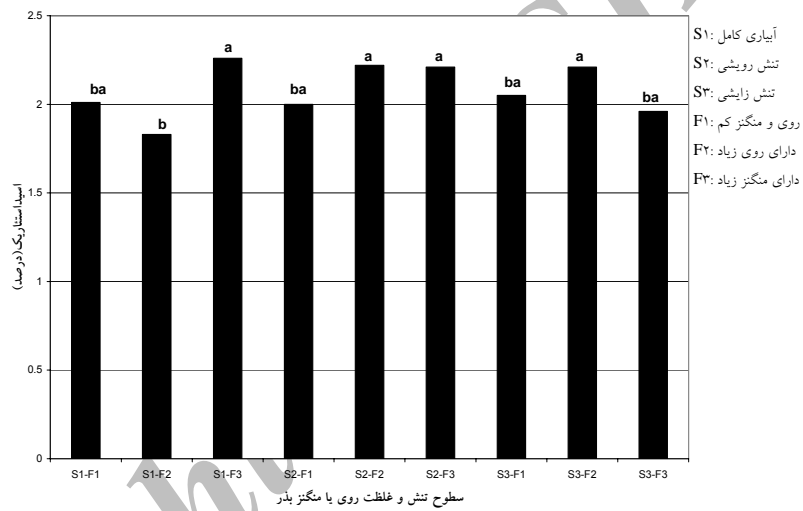
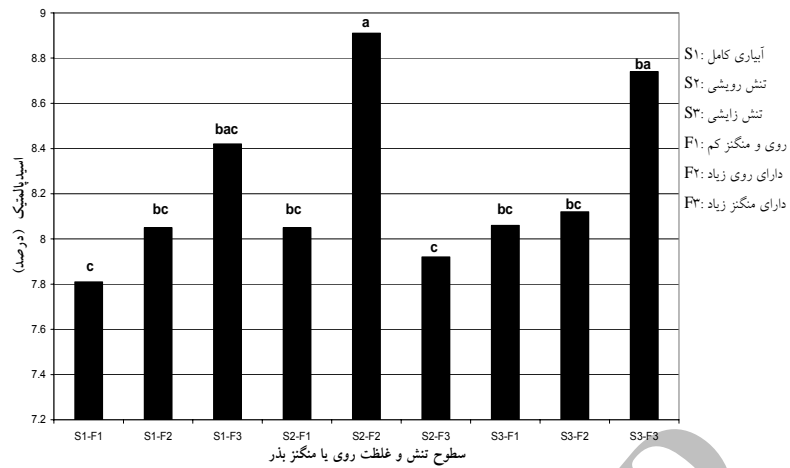


" x "

() (p < /)

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(:)
 (Hashim et al., (Hamrouni et al., 2001) 1996)



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