

( )

**(*Datura stramonium* L.)**

\*

( // : // : )

± ) : ( )  
( ± ) ( )  
/ ( )  
(p≤ % )  
/ / ±  
(GA3) ( ) (p≤ % )  
GA3  
( )  
:

(Nadjafi et al., 2006; Watanabe et al., 2002; Foley, 2002; Hilhorst & Karssen, 1992; Iglesias & Babiano, 1992)

(*Datura stramonium* L.)

(Karlsson & Milberge, 2007)

(Holm et al., 1997)

(Holm et al., 1997)

(Deng, 2005)

(Ghersa et al., 2000)

(Byrd & Coble, 1991; Scott et al.,

2000)

(Mitich, 1989)

(Karimi, 2001)

(Soriano et al., 1964;

Sanchez et al., 1981)

(Noldin et al., 2006)

(Fenner, 2000; Foley, 2002)

(Hermansen, 1999; Foley,

2002)

(Reisman-Beramn et al., 1991)

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1. *Solanaceae*

...

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( / )

( (W50-10min) (

( (D50-6day) ( )

( (D60-7hour)

**(GA<sub>3</sub>)**

( Gibberellinsäure, C<sub>19</sub>H<sub>22</sub>O<sub>6</sub>, Merck CO., Catalog No. 41213925, Germany) ( : )

( GA<sub>3</sub> ( CR7)

( ) ( ScaR7)

( ( CR40)

(

GA<sub>3</sub> : ) Sca1R40)

( Sca 2R40)

± ) (

( (CChiling70) (

± ) (

.(ScaChiling7)

(6-Furfurylaminopurine, C<sub>10</sub>H<sub>9</sub>N<sub>5</sub>O, Fluka CO., Catalog No. 37936, USA)

(ScaR7 )

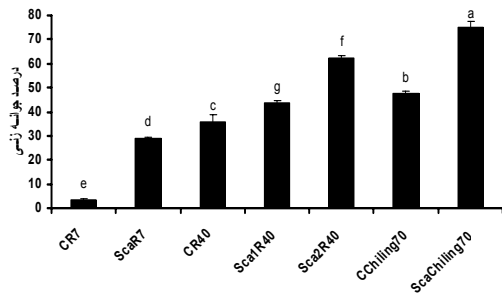
CR7 CR40

(ScaChiling70)

SAS

ANOVA

(MS)
(CV%)



:CR7 .

:ScaR7

:CR40 ( )

:Sca1R40

Sca

:2R40

:CChiling70

( ± )

:ScaChiling70

( ± )

( / )  
(Sca2R40)  
(CR40)

( )

) Sca1R40

(

Derkx & Karssen .

(1988) Hilhorst & Karssen (1993)

(CR7)

(1964) Soriano et al. (1981) Sanchez et al.

1. After ripening

(GA<sub>3</sub>)

(2005) Klinken et al.

( ) GA<sub>3</sub> ( )

GA<sub>3</sub> ( ) ( )

( ) GA<sub>3</sub> ( )

(1977) Taylorson & Brown ( )

( )

(2002) Watanabe et al.

(Watanabe et al., 2002)

In-Hwan Park .

*Nicandra physalodes*

(2000)

*Koelreuteria paniculata* Laxm.

GA<sub>3</sub>

(2002) Foley

GA<sub>3</sub>

*Arabidopsis*

GA<sub>3</sub>

(Debeaujon & Koornneef, 2000; Karssen et al., 1989).

( )

GA<sub>3</sub>

(Folley, 2002)

GA<sub>3</sub>

GA<sub>3</sub>

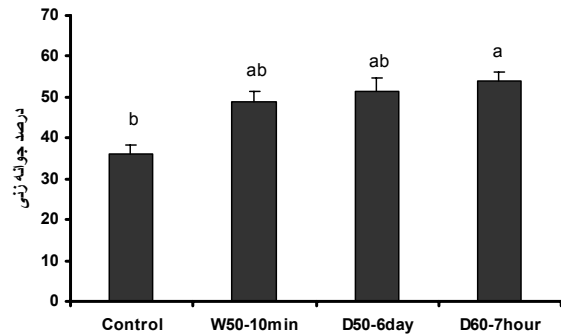
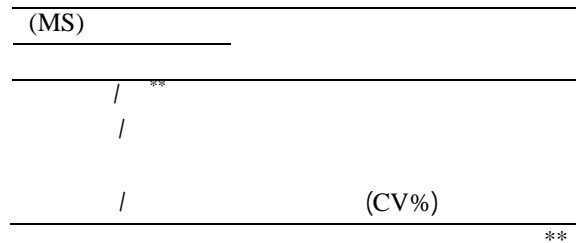
GA<sub>3</sub>

:W50-10min .

:D50-6day

:D60-7hour

:Control



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( )

(1982) Cohn & Butera  
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(*Sisymbrium orientalis*)

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(1987) Brown & Bridglall  
(*Datura stramonium* L.)

*Datura*

*Datura stramonium* L. *ferox*  
(Mahmoodzadeh et al., 2004 ; Sanchez et al., 1990)

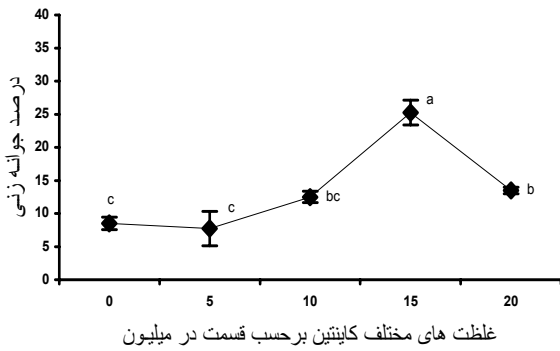
(1982) Cohn & Butera

(MS)
/
/ **
/
/
(CV%)

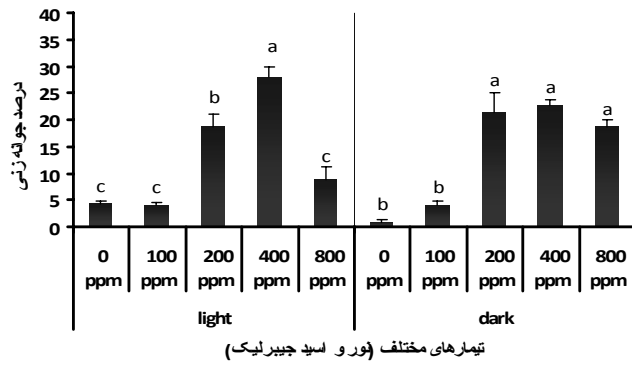
\*\*

(MS)
/ ns
/ **
/ **
/
/
(CV%)

\*\* ns



غلظت های مختلف کاینترین برحسب قسمت در میلیون



تیمارهای مختلف (ور و اسید جیبرلیک)

(GA<sub>3</sub>)

((P<0.05))

( )

( )

( )

( )

± )

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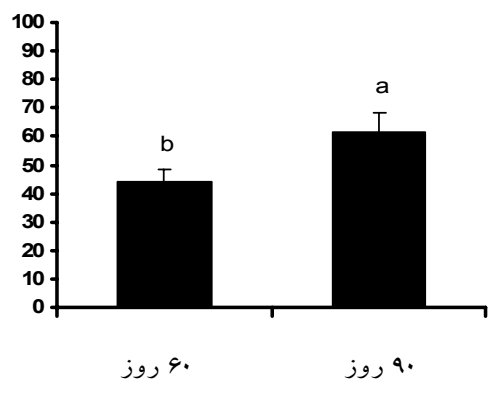
± )

( )

( )

(MS)	
/	**
/	ns
/	ns
/	x
/	
/	(CV%)

\*\* ns



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( )  
- ( )  
)  
( )  
( )  
( )  
( )  
( )

(Benech-Arnold et al., 2000)

(Chauhan et al., 2006; Miyoshi  
GA<sub>3</sub> & Sato, 1997)

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