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1-MCP

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1-MCP

1-MCP

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1-MCP :

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(Blankenship & Dole, 2003)

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- 2. very sensitive
 - 3. Receptors

E-mail: ymostofi@ut.ac.ir

1. Caryophyllaceae

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(Azadi et al., 2001; Chamani, 2005; Obsuwan & Uthairatanakij, 2007; Yamane et al., 2007)

1-MCP

(Sisler & 1-MCP .Serek, 1997)

(Bhattacharjee & De, 2005)

(Beumhend, 2005; Blankenship, 2001)

(STS)

(Blankenship & Dole, 2003)

1-MCP (1-MCP)[†]

(Beumhend, 2005; Blankenship, 2001) 1-MCP

1-MCP

(1997) Sisler & Serek

1-MCP / C H

(Beumhend, 2005; Bhattacharjee & De, 2005; Blankenship, 2001; Blankenship & Dole, 2003; Chamani, 2005; Obsuwan & Uthairatanakij, 2007)

(Beumhend, 2005; Sisler et al. Blankenship, 2001; Sisler & Serek, 1997)

(a) al.

1-MCP 1-MCP

... 1-MCP

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(Blankenship

1-MCP (2005) Macnish et al. & Dole, 2003)

CO₂

KOH

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(Macnish et al., 2005)

1-MCP

(2007) Kim et al.

Begonia × hiemalis

1-MCP



'Belitz'

'Carneval'

(2007) Obsuwan & Uthairatanakij

1-MCP

Dendrobium

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Aroon white

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(Obsuwan & Uthairatanakij, 2007)

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1-MCP

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1-MCP

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pH

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- 3. Air mixing fan
 - 4. Ethylbloc
 - 5. Recutting

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- 1. Tempo
 - 2. 8 - Hydroxy Quinoline Citrate

1-MCP

S.N.K SPSS MSTATC KOH
 HARWARD ()

()

%

%

8 – AIT GC

1-MCP

1-MCP



		SPSS		MSTATC		KOH	
		S.N.K		HARWARD		()	
		%		%			
		/	**	/	ns	/	ns
		/	**	/	*	/	**
		/	ns	/	ns	/	ns
		/		/		/	
		—	—	—	—	—	—
		/	/	/	/	—	C.V

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1. Venoject
2. Shimadzu
3. Inrolling

... 1-MCP

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1-MCP

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1- MCP

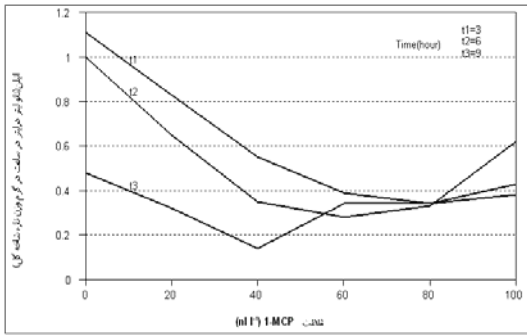
()	1- MCP (nl l ⁻¹)	()	(nl l ⁻¹ h ⁻¹ g ⁻¹)	()	()
/	hi	/	a	/	c
/	efg	/	c	/	c
/	def	/	e	/	abc
/	a	/	gh	/	abc
/	cd	/	hi	/	abc
/	de	/	fg	/	abc
/	hi	/	b	/	bc
/	ghi	/	d	/	abc
/	fgh	/	hi	/	abc
/	a	/	i	/	abc
/	bc	/	hi	/	abc
/	ef	/	d	/	abc
/	i	/	f	/	abc
/	i	/	hi	/	c
/	b	/	j	/	a
/	de	/	hi	/	ab
/	ef	/	hi	/	a
/	gh	/	gh	/	abc

S.N.K

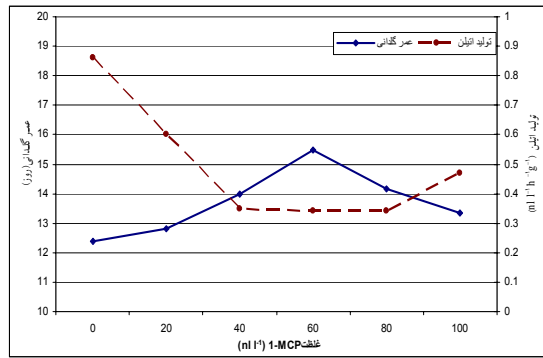
1- MCP

(nl l ⁻¹) 1- MCP	()	(nl l ⁻¹ h ⁻¹ g ⁻¹)	()	()
/	c	/	a	/
/	bc	/	b	/
/	b	/	d	/
/	a	/	d	/
/	b	/	d	/
/	bc	/	a	/

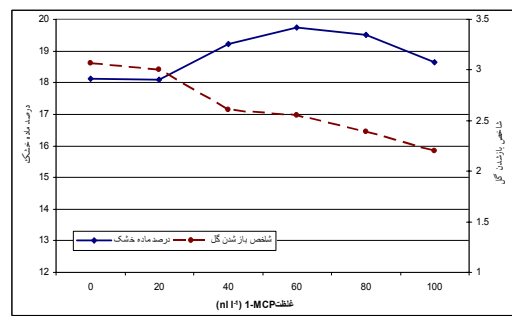
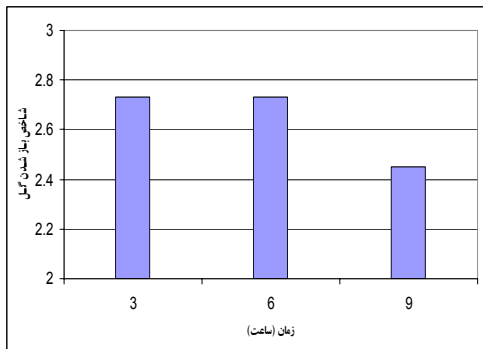
S.N.K



1-MCP



1-MCP



1-MCP

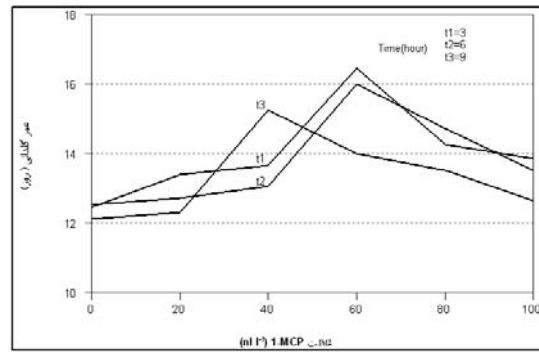
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(/)

1-MCP

1-MCP

1-MCP



1-MCP

(Fahmy & Sadek, 2005)

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(2005) Fahmy & Sadek

1-MCP

1-MCP

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(Jiang et al., 2002b; Serek et al., 1995)

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1-MCP

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(Dole & Wilkins,

.1999; Gast, 1997; Mostofi & Shafiei, 2006)

1-MCP

1-MCP

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.(Fahmy & Sadek, 2005; Silser & Serek, 1997)

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(2005) Fahmy & Sadek

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1-MCP

(1996a) Sisler et al.

MCP

1-MCP

(2005) Chamani .

(2005) Chamani .

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1-MCP

1-MCP

1-

(1995) Serek et al.

MCP

1-MCP

ACC

1-MCP

mRNA

ACC

(*Cucumis melo*) .

1-MCP

1-MCP

ACC

1-MCP

.(Blankenship & Dole, 2003)

(Blankenship & Dole,

.2003)

.(Gast, 1997)

1-MCP

.(Reid et al., 2002)

1-MCP

%

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1. Firstred
 2. Peak
 3. ACC Oxydase
 4. ACC Synthase

(Blankenship & Dole,

1-MCP .2003)

1-MCP

.(Valero et al., 2004)

ATP

ATP

1-MCP

1-MCP

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