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### 1-MCP

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### 1-MCP

### 1-MCP

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%

%

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1-MCP :

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(Blankenship & Dole, 2003)

- 
2. very sensitive
  3. Receptors

E-mail: ymostofi@ut.ac.ir

- 
1. Caryophyllaceae

: : \*

(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)<sup>۲</sup>

(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)

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

/ ( a) al.

(Huber et al., 2003; Knee, 2002;  
.Mostofi & Shafiei, 2006; Serek & Reid, 1997)

1-MCP 1-MCP

... 1-MCP

( )

(Blankenship

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

CO<sub>2</sub>

KOH

( )

(Macnich et al., 2005)

1-MCP

(2007) Kim et al.

*Begonia × hiemalis*

1-MCP



'Belitz'

'Carneval'

(2007) Obsuwan & Uthairatanakij

1-MCP

*Dendrobium*

/

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

1-MCP

S.N.K SPSS MSTATC KOH  
 HARWARD ( )

( )

%

%

8 – AIT GC

1-MCP

1-MCP



		SPSS		MSTATC		KOH	
		S.N.K		HARWARD		( )	
	(%)		(nl <sup>-1</sup> h <sup>-1</sup> gr <sup>-1</sup> )		( )		
/	**	/	ns	/	**	/	ns
/	**	/	*	/	**	/	**
/	ns	/	ns	/	**	/	ns
/		/		/		/	
—	—	—	—	—	—	—	—
/	/	/	/	—			C.V

: ns  
 \*\* \*

1. Venoject
2. Shimadzu
3. Inrolling

... 1-MCP

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( )

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1-MCP

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%

( )

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1- MCP

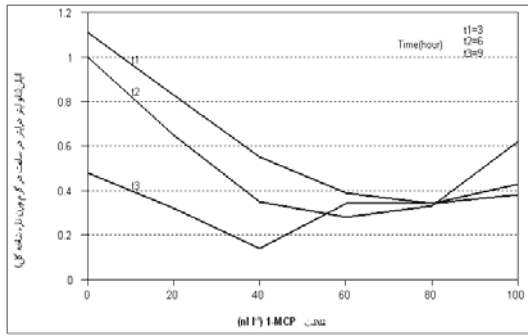
( )	1- MCP (nl l <sup>-1</sup> )	( )	(nl l <sup>-1</sup> h <sup>-1</sup> g <sup>-1</sup> )	( )	( )
/	hi	/	a	/	c
/	efg	/	c	/	c
/	def	/	e	/	abc
/	a	/	gh	/	abc
/	cd	/	hi	/	abc
/	de	/	fg	/	abc
/	hi	/	b	/	bc
/	ghi	/	d	/	abc
/	fgh	/	hi	/	abc
/	a	/	i	/	abc
/	bc	/	hi	/	abc
/	ef	/	d	/	abc
/	i	/	f	/	abc
/	i	/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

S.N.K

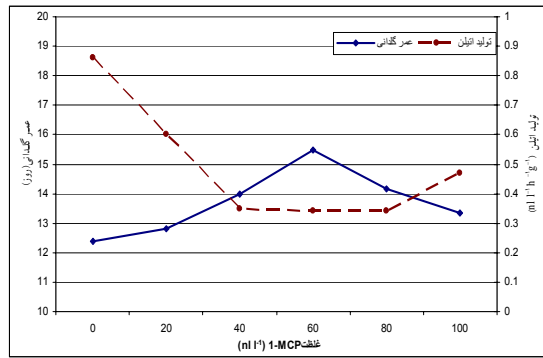
1- MCP

(nl l <sup>-1</sup> ) 1- MCP	( )	(nl l <sup>-1</sup> h <sup>-1</sup> g <sup>-1</sup> )	( )	( )
/	c	/	a	/
/	bc	/	b	/
/	b	/	d	/
/	a	/	d	/
/	b	/	d	/
/	bc	/	a	/

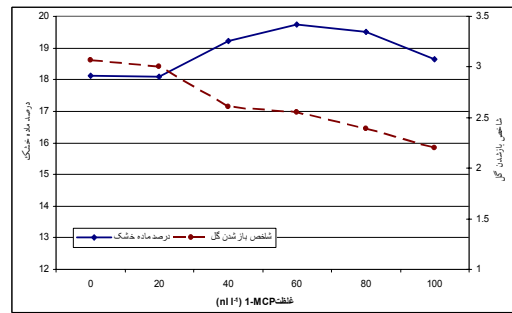
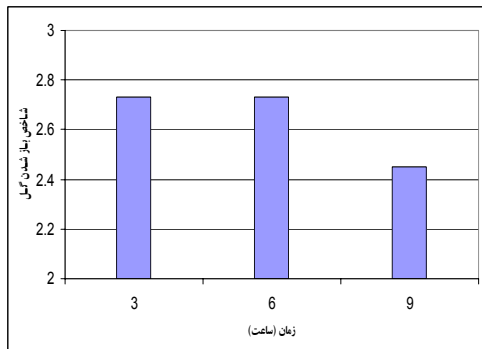
S.N.K



1-MCP



1-MCP



1-MCP

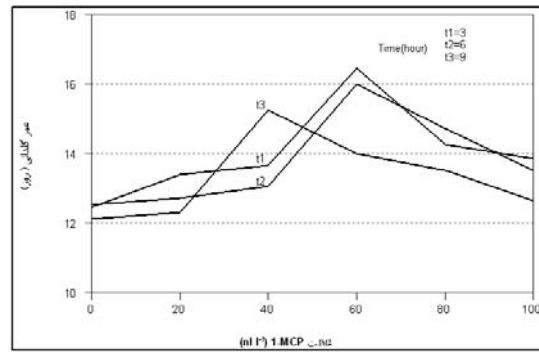
%

( / )

1-MCP

1-MCP

1-MCP



1-MCP

(Fahmy & Sadek, 2005)

/ / /

(2005) Fahmy & Sadek

1-MCP

1-MCP

/ )

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

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... 1-MCP

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1-MCP

%

(Dole & Wilkins,

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

1-MCP

1-MCP

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/ / /

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

/ / /

1-MCP

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%

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(2005) Fahmy & Sadek

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1-MCP

(1996a) Sisler et al.

MCP

1-MCP

(2005) Chamani .

(2005) Chamani .

1-MCP

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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

ACC

1-MCP

1-MCP

.(Blankenship & Dole, 2003)

(Blankenship & Dole,

.2003)

.(Gast, 1997)

1-MCP

.(Reid et al., 2002)

1-MCP

%

- 
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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