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1. Integrated weed management
 2. Critical period of weed control

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Ipomoea

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hederca

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1. Weed infested
 2. Weed free

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 () ()

$$Y=A*\exp(-b*\exp(-k*t))$$

Y ()
 A . ()
 K B ()
 t

$$GDD=(T_{max}+T_{min})/2-T_b$$

(GDD)
 () T_b

$$Y=((1/(D*\exp(K(t-X))+F))+((F-1)/F))*100$$

X F K D
 t (/ *) /

SAS

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/ e	c
/ de	c
de	c
/ cd	c
/ bc	c
b	b

:

/ a

a

/

LSD(0.05)

/

LSD(0.05)

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<i>Cynodon dactylon</i> L.	*	<i>Cyperus rotundus</i> L.	*
<i>Cyperus rotundus</i> L.		<i>Amaranthus blitoides</i> L.	*
<i>Sorghum halepense</i>		<i>Convolvulus arvensis</i> L.	
<i>Amaranthus chlorostachys</i> L.	*	<i>Chrozophora tintoria</i>	
<i>Solanum nigrum</i>	*	<i>Cynodon dactylon</i> L.	*
<i>Abutilon theophrasti</i>		<i>Xanthium stramarium</i> L.	
<i>Datura stramonium</i> L.		<i>Chenopodium album</i> L.	
<i>Chenopodium album</i> L.	*	<i>Solanum nigrum</i>	
<i>Convolvulus arvensis</i> L.		<i>Abutilon theophrasti</i>	
			*

R ²	X	F	K	D	(GDD)
/	/	/	/	/	
/		/	/	/	
/	/	/	/	/	
/	/	/	/	/	

$$Y = \left(\frac{1}{D \cdot \exp(K \cdot (T - X)) + F} \right) + \left(\frac{F - 1}{F} \right) \cdot 100$$

T X F K D () Y

R ²	K	B	A	(GDD)
/	/	/	/	
/	/	/	/	
/	/	/	/	

:

$$Y = A \cdot \exp(-B \cdot \exp(-k \cdot T))$$

Y () A (T K B ()

CS	DAY	GDD	CS	DAY	GDD	CS	DAY	GDD	CS	DAY	GDD
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(Crop stage)	CS	DAY	GDD
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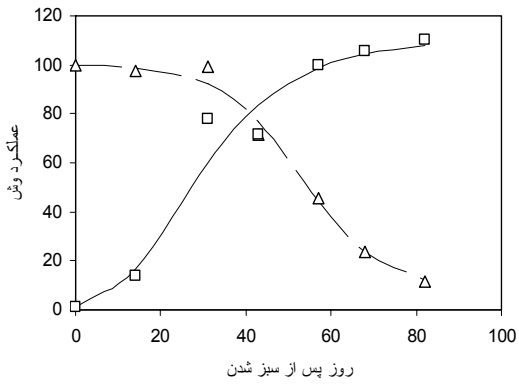
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2 . Critical weed-free period

1 . Critical timing of weed removal



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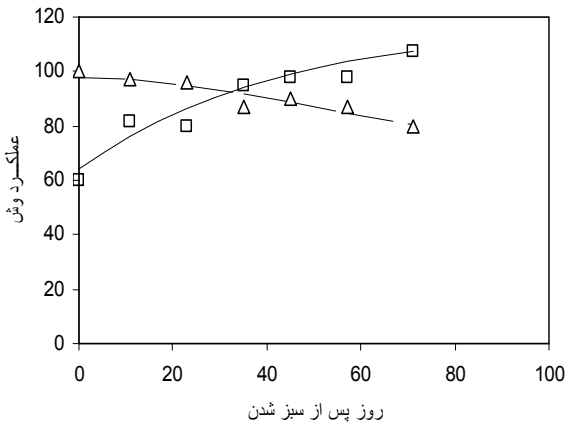
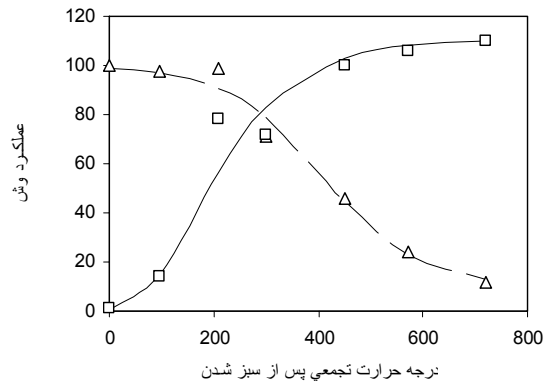
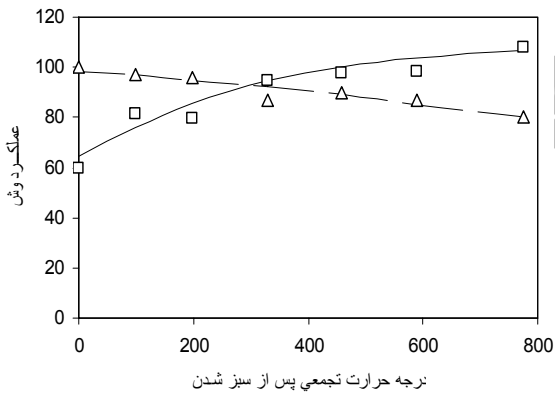
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