

*Cynodon dactylon L.*

**	**	*
Adnan_alwakaa2003@yahoo.com .	-	-
	-	-
2011-2010	-	-
		<i>Cynodon dactylon L</i>
1.8		
	5 -1	1 /
( : 1:1)2T		( : 2:1) 3T
87.5 94.66		/ 1.8 7T
2T 45.0		( : 1:1)
69.16	/ 1.8 7T	22.79
6.84 2 / 452.88		( : 1:1) 2T
150		1.94
( : 1:1)2T		
.%32	/ 1.8 7T	%39
		<i>Cynodon dactylon L</i> :

*Cynodon dactylon L.*

Bermuda grass

Poaceae

(2003 Bunnell)

25 -20

Main)

تاريخ استلام البحث 2013 / 4 / 7 .  
 تاريخ قبول النشر 2013 / 6 / 16 .

(2005 Teuton 2002

Webster)

(2012 Abdulkhaliq)

(2003

Glyphosate

Dalapon (trichloroacetic acid) TCA

Teuton ؛ 2002 Gerald؛ 1978، Ware و Johnson ) / 2  
 ( وآخرون، 2005 )

2011-2010

(Glyphosate)

2010/3/25 3 × 2 2010/3/20 (%100)  
 (2) 2 1.5 6 -5

1 (2011 ) 0.360

5 2

( / 1.8 )

( )

(R C B D)

- 1) 150 30  
 (1) (2012 2010 Madsen Ryan ) (Visual-estimation )(100  
 (100)

2011/4/25

(Regrowth)

180 (2 1) (%1) (%100)  
 ( )  
 .(1970) Joslyn  
 :  
 (2012)  $100 \times \frac{\text{SAS}}{\text{SAS}} = (\%)$   
 (RCBD)  
 0.05

**.1**

/ 3			
( 2-1 ) 1800-1440 ( 2 ) 2880-2160	%36	<b>Glyphosate</b>	<b>Touchdown S4®</b>

**.2**

		<b>1T</b>
-	% 36	<b>2T</b>
2 -	% 36	<b>3T</b>
3 -	% 36	<b>4T</b>
4 -	% 36	<b>5T</b>
5 -	% 36	<b>6T</b>
(semco)	100+ / 2 *	<b>7T</b>

%36

syngenta

\*( 2-1 )

:

(3)  
 )7 T ( : 2 : 1 ) 3 T ( : 1 : 1 ) 2 T  
 ( : 1 : 1 ) 2 T ( : 52.46 % ( ) 7 T

)  
 ) 7 T ( : 5 : 1 ) 6 T ( : 4 : 1 ) 5 T (

.3

150 30

	150	30	
1.000	1.00	1.00	( ) 1T
94.667	94.333	95.000	( : 1 : 1 ) 2T
87.500	85.000	90.000	( : 2 : 1 ) 3T
69.000	96.333	41.667	( : 3 : 1 ) 4T
50.000	35.000	65.000	( : 4 : 1 ) 5T
45.000	68.333	21.667	( : 5 : 1 ) 6T
45.000	40.000	50.000	( / 2)7T
	60.000	52.048	

. 0.05

( 2007 ) Zimdahl Robert ( 1990 ) Butler Tawnson

(3)

60.00

150

52.048

30

60

( )

( 2008 )

( 1983)Johnson ( 1983)

Robert

.( : 2 : 1 ) 3 T .( : 1 : 1 ) 2 T

150

( : 3 : 1 ) 4T

150

30

.( : 5 : 1 ) 6 T

7 T

( ) T7

21.66

30

150 30

)

. ( 2005

2003

:

(4)

1 : 1 ) 2 T

: 4 : 1 ) 5T ( : 2 : 1 ) 3 T % 22.79

.( :

% 69.16

.(

% 67.04

( 2011 )

( 2011 ) Yarbarough ( 2009 ) Fryman

360

(4)

44.90

180

180

( 2005 )

. ( 2009 ) Meyers

180 17.66 .( : 1 : 1 )2T  
 180 ( ) 7T  
 . 63.33  
 180  
 . 360  
**.4**

	360	180	
100	100	100	( ) 1T
22.790	27.913	17.667	( : 1 : 1 ) 2T
31.063	33.793	28.333	( : 2 : 1 ) 3T
38.067	41.133	35.000	( : 3 : 1 ) 4T
32.770	35.540	30.000	( : 4 : 1 ) 5T
44.082	48.163	40.000	( : 5 : 1 ) 6T
69.167	75.000	63.333	( / ) 2)7T
	51.649	44.905	

.0.05

**180** (2012) (2009)Fryman  
 2 / (5)  
 T (2 / )  
 ) 7 T 2 / 452.88 .( : 1 : 1 ) 2  
 5 T 2 / 497.9 ( : 4:1)  
 : 2 : 1 ) 3 T ( : 3 : 1 ) 4 T ( : 5 : 1 ) 6 T ( : 3 : 1 ) 4 T ( : 5 : 1 ) 6 T  
 556.37 558.62 564.73

(2012)

(CHO)

10.48% ( : 4 : 1 ) 5T . ( : 1 : 1 ) 2T 7.12%  
 6.84% . 180 2 /

180	180	2 / 180	
3.3167	10.4833	741.85	) 1T (
1.9467	6.8433	452.88	( : 1 : 1 ) 2T
2.2933	8.1567	564.73	( : 2 : 1 ) 3T
2.3533	8.0933	558.62	( : 3 : 1 ) 4T
2.4267	7.1200	491.44	( : 4 : 1 ) 5T
2.1567	7.4167	556.37	( : 5 : 1 ) 6T
2.4833	7.7833	497.95	( / 2)7T

.0.05

(5)

3.31% ( : 1 : 1 ) 2T  
 1.94 ( : 5 : 1 ) 6 T ( :  
 3 : 1 ) 4 T ( : 2 : 1 ) T3  
 2.15 و 2.35 و 2.29 %

21.61%

Main (2000 )

(2003) (2002)

180

(1)

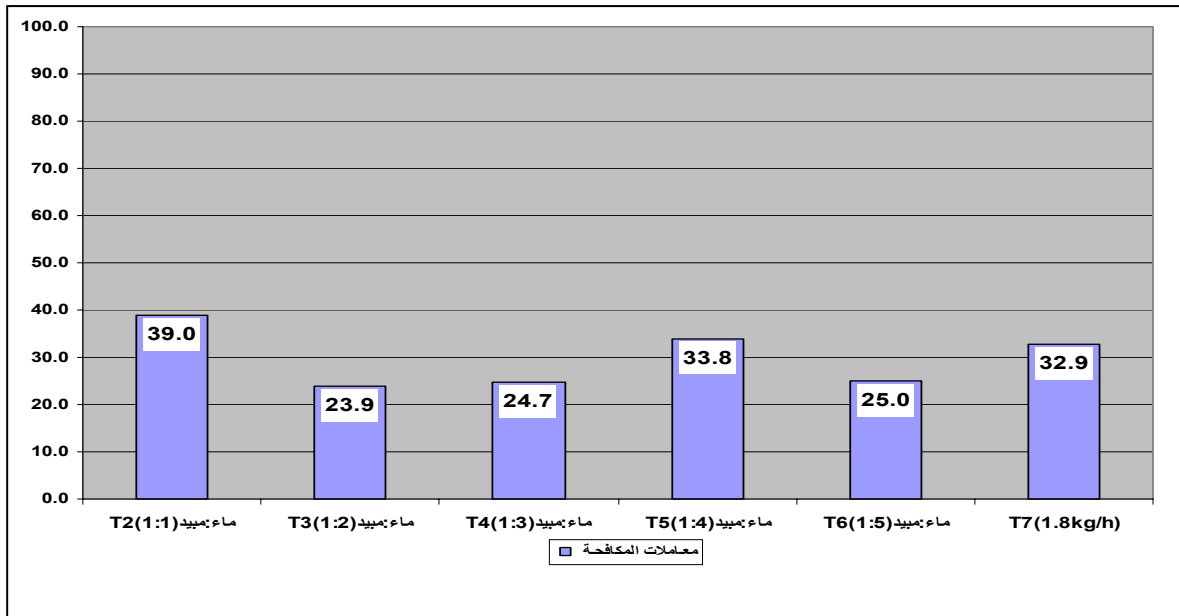
T2 ( 1 : 1 ) : 33.8%  
 T5 ( 4 : 1 ) : 39%  
 T3 ( 1 : 1 ) : 32.9%  
 T7 ( ) : 23.9%  
 T6 ( 5 : 1 ) : 25.0%  
 T4 ( 3 : 1 ) : 24.7%  
 T2 ( 1 : 1 ) : 33.8%  
 T5 ( 4 : 1 ) : 39%  
 T3 ( 1 : 1 ) : 32.9%  
 T7 ( ) : 23.9%  
 T6 ( 5 : 1 ) : 25.0%  
 T4 ( 3 : 1 ) : 24.7%

2009 Fryman )  
%100

( 2011

( )

(1977) Bayer Fernandez



.1



- . 2000.
- Phragmites communis* (Trin) .
- .2003.
- Dichanthium annulatum* (Forsk)
- Stapf.
- .2008.
- Dichanthium annulatum* (Forsk)Stapf.
- . 274-262(32)
- ( ) .2011 .
- ( )
- (1) AO1 M2/00 3331 .
- / / ) 2011/9/8 .(
- .2012 .
- Eichhornia crassipes* (Mart)
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- Sorghum halepense* (L.)pres( )
- . 66-62:(2) (33)
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**EFFECT METHODS OF APPLICATION AND DIFFERENT  
DOSES OF GLYPHOSATE IN CONTROL BERMUDA GRASS  
*Cynodon dactylon* L. GROWTH IN POME ORCHARD.**

**A.H.A . AL-Wagga \***

**H.A. AL-wahab\***

**O.A. Ahmmed\***

\* Field Crop Dept .- College of Agric.- Univ. of Diyala - Republic of Iraq.

**ABSTRACT**

A field experiment was carried out in Diyala province \ Al-Muqdadiya district during growing season 2010-2011. The aim of present study is control *Cynodon dactylon* L. growth in pomes orchard by using Glyphosate and two application methods first by knapsack sprayer in rate (1.8kg ai/ h) the second use rope-wick wiper technique in different rate. The experiment was set out as factorial design in randomization complete block design with three replicates. The results showed superiority T2(1:1 )(herbicide: water ), T3 (1:2) (herbicide : water ) applied in wiper gave high degree killing (94.66)(87.5) respectively compare with T7 (1.8kg ai/h) applied in spray (45.0) , also T2(1:1 ) was gave average less in percentage of regrowth get to 22.9 % . Further T2(1:1 ) gave significantly effect in reduce dry weight percentage starch and seccharide up to (425.88gm/m<sup>2</sup>, 6.84, 1.94) respectively . Moreover the efficacy of Glyphosate in weed continue until 150day after control . The wipe technique good satisfactory result specially T2(1:1 ) witch gave 39% control compare T7 (1.8kg ai/ h) spray 32%.

**Key words:** *Cynodon dactylon* L , Glyphosate , Chemical control , Herbicides methods application