

*Cuscuta sp*

*Medicago Sativa .L*

\*\*

\*

-

-

\*  
\*\*

15)

2009-2008

3)

( 5 1 )

( / 1500

/

( 1 )

( 5)

/

*Medicago Sativa .L*

20 -4

( 1989 Miller Fick )

( 2003

zaman 1982

1981

)

(2002)

Wiersma

(8-5)

(5)

(2000)

. 2011 / 2 / 9

. 2011 / 4 / 7

(2.5) 10 3 (2007) Wiersma (15)  
 (1987) Dawson 10  
 ( )  
 ( )  
 (1979 Wssa )  
 (2006) Safa Tarim  
 (1993) EXTOXNET 3  
 )  
 .(

2009/ /3  
 15) ( )  
 . ( ) cuscuta planiflora ( ) cuscuta chinenses  
 ( 8-5 2-1 ) :  
 ( / 3)  
 [3,5-dichloro(N-1-dimethyl-2-propynyl) benzamide] N-(1-1-dimethyl . ( )  
 Kerp-50-W propynyl)-3-5-dichlorobenzamide.  
 ( ) . %50  
 ( 4 3)  
 . / 1.5 × 2.5  
 ( ) /  
 (% 15- 10) (5) 2 1 /  
 200 5 70  
 :  
 / × =  
 (2 )  
 (1990 Saieed)  
 .( / × = )  
 2 1 , ( / )

( )  
 (1975) ( A.O.A.C ) /  
 ( 50 × 40 ) 2 0.2  
 Volenec 70  
 (1987 )  
 ) .  
 .( SAS  
 (1) :  
 % 22.27 5  
 (2007) Wiersma /  
 / % 10.55 /  
 . % 10.88  
 . (1976)  
 % 65.11  
 % 35.34  
 2.16 . %  
 . (2)  
 % 79.14 % 100  
 . % 75.87  
 ) ( )  
 (1993) Cudney (1987) Dawson  
 . (3)  
 / /







(4)

(5)

2.59 13.34 62.5)

(1583.94

(6)

.1981.

- - - .2002.

- .1976.

.1982.

A.O.A.C. 1975. Official methods of analysis. Association of official analytical chemists Washington, U.S.A .Ed .pp1014.

Cudney. D.W., S. B. Orloff and D. A. Demanson .1993 . Effects of thiazopyr and trifluralin on dodder (*Cuscuta indecora*) in alfalfa (*medicago sativa*) Weed Techology .Vol. (7): 860-864.

Dawson. J.H. 1987. *Cuscuta* (convolvulaceae) and its control proceedings,4<sup>th</sup> international Symposium on parasitic flowering plants germany ,1987 pp 134-149 .

EXTOXNET .1993. Pesticide information Project of Cooperative Extension Officices and Universities in U.S.A.

- Fick. G.W and S.C. Meller .1989. alfalfa quality, maturity and mean stage development. Cornell university-infrom.BuLL 217-1-13
- Safa Tarim . 2006. Handbook for Pesticides .Turkia,Konya.
- Saieed ,N.T. 1990.Studies of variation in primary Productivity growth and morphology in relation to the selective improvement of broad-leaved tree species –Ph. D. Thesis. National uni . Ireland.
- Volenec, J.J. , J. H. Cherney and K. D. Johnson .1987. Yield components, plant morphology, and forage quality of alfalfa as influenced by plant population. Crop Sci. 27:321-326.
- Wiersma, D.W. 2000.Alfalfa cutting height to maximize forage yield and quality. Forage proceeding 2000, U.S.A.
- Wiersma, D. M.,R. Bertam and N. Schneider .2007. The long and short of alfalfa cutting height-focus on alfalfa, report from University of Wisconsin, 45A.
- WSSA .1979. Herbicide handbook of the weed Science Society of America Fourth Edition. U.S.A .
- Zaman. M. S. , J. R. Moyer, A. L. Boswall .2003. Short communication nutritional with barley companion crop and weeds. Annual feed science and Technology 103(2003) 163-169.



**EFFECT OF CUTTING AND BRONAMID HERBICIDE ON GROWTH AND SEED YIELD OF ALFALFA *Medicago Sativa .L* AND DODDER *Cuscuta sp.***

**Salim Hommadi Anter\***

**Thiab Ahmad Kassim\*\***

\* Field crop Dept. - College of Agric. &Forestry - Univ . of Mosuel .

\*\*Agric. research - Neniva

**ABSTRACT**

The experiment was carried out during 2008/2009 season at Al-Rashidia (15 km north Mosuel) , in alfalfa field more than 2 year old . The experiment included two factors : the first height at cutting of alfalfa plants and the second using or not of Bronamid herbicide with concentration (3 kg commercial matter ). Randomized complete Block Design was used with three replication .Data recorded for plant height , number of branches per plant , dry plant yield , dry weight , leaf area , seed yield , protein percent , and dry weight of Chinese dodder and dodder of alfalfa through cutting and harvest periods , and analyzed statistically according to the method of the design used .The differences between means tested by Duncan multiple range test . The result showed that high cutting (5cm) surpass low cutting (1 cm) for plant height , number of branches per plant dry weight , in addition to weight of Chinese dodder and dodder of alfalfa through cutting and harvesting periods . There was non significant differences between the two cutting height for dry plant yield . The lower cutting surpass higher one for leaf area , seed yield and protein percent . Non significant effects of using Bronamid was reported for all studied characters .