

( )

\*

2006 ( / ) split plot /  
/ 2 / : . /

2 /

:

**.1**

) percolation seepage  
(Tuong and Bouman, 2001) (  
%80-50

)

(1998

( / ) saturation

(Courtois and Lafitt, 2002)

(Bouman,

.(2006

2001

(De Datta, 1981)

10-5

(2000 )

(Anbumozhi, 1998; De Datta, 1981)

(1988 )

(De Datta et al., 1973) 800- 500

(Sharma and Hukkeri, 1980) 3000

**.2**

2006

/

main

) Split plot

2007/4/18

(3 2 1)

sub plot

plot

.(5 4)

.2008/6/24

\*

/

(1996 silty clay ( loam  
 15 %100 )  
 : ( 10-5  
 / 10 -2 / 10 -1 10 / /  
 / -4<sup>2</sup> / -3 / /  
 / -5 . 3×3  
 / 400 (27:27:0) NPK  
 (%N 46) /  
 :(2000 ) 80 / 280  
 / ) = /K<sub>2</sub>O  
 100×( )

(1)

( )	( )		/	( )	<sup>2</sup> /	( )	
4.51	20.50	8.00	163.03	26.16	398.16	127.00	
4.40	20.33	9.00	168.96	26.16	406.00	131.83	
							LSD 0.05

128.5 124 :  
 (1 ) (Steel and Torrie, 1982)  
 (2006 ) (SAS SAS Institute, 1988)  
 / 0.05 LSD  
 .45 33  
 /  
 (1988) / .3

(1 )  
 /  
 .(2 ) /  
 :<sup>2</sup> /  
 (1) /  
<sup>2</sup> / 136 135  
 /

/ (2006) 33 / 51 370 377.5 (2 )

<sup>2</sup> /447

(2)

( )	( )		/	( )	<sup>2</sup> /	( )	
516.25	20.50	10.50	158.60	27.00	405.00	126.25	
485.25	20.50	7.25	172.77	26.00	383.25	127.25	/
482.00	20.25	8.50	166.62	25.050	418.00	135.75	/
						6.03	LSD 0.05

:( )

:

/ ( ) (1)

(2 1 )

(5 ) (2 )

.(3 )

2006 )

.(1961 Skazkin

/ /

: /

/

:

.(4 2 1 )

.(1999) Iside Salvatore

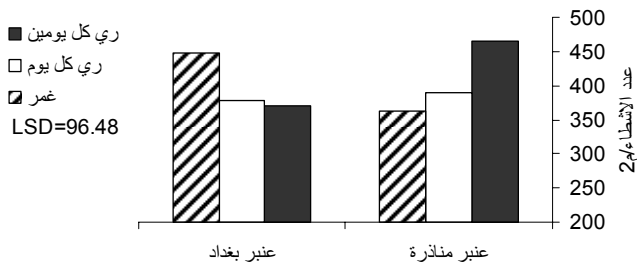
.(6 2 1 )

( )

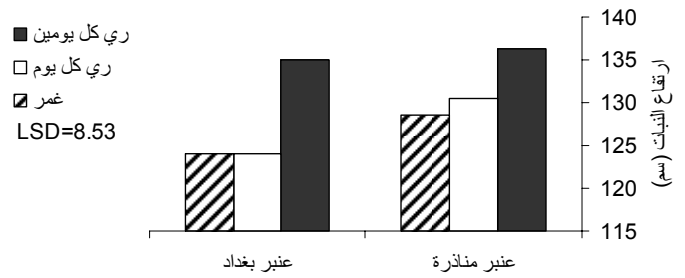
(Nigel and

John, 1987)

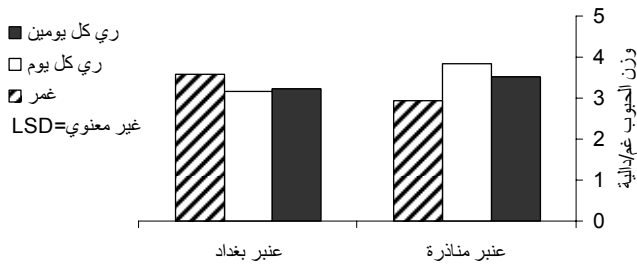
(2001) Yang



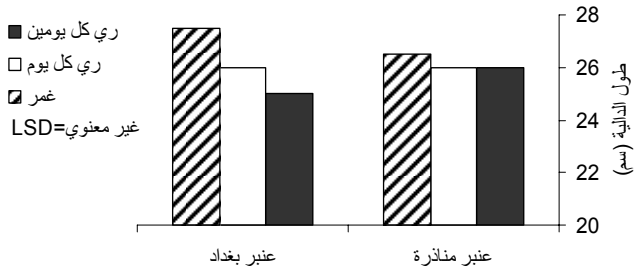
شكل (2). تأثير معاملات الري في عدد الاشطاء/2م² في صنفى الرز عنبر بغداد وعنبر منادرة



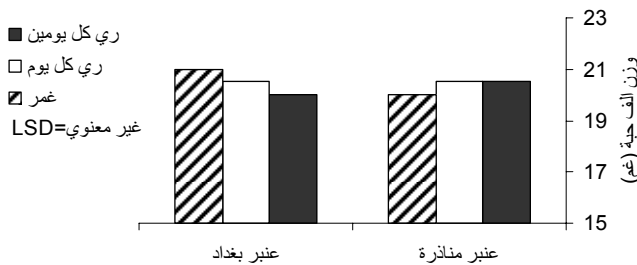
شكل (1). تأثير معاملات الري في ارتفاع النبات (سم) في صنفى الرز عنبر بغداد وعنبر منادرة



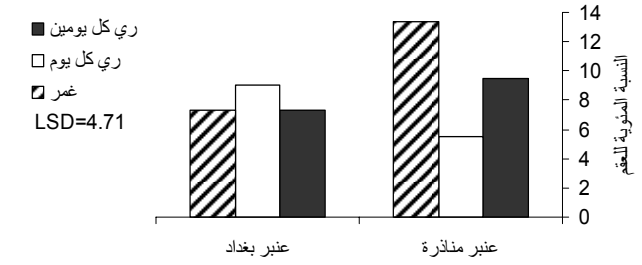
شكل (4). تأثير معاملات الري في وزن الحبوب/غم/دالية في صنفى الرز عنبر بغداد وعنبر منادرة



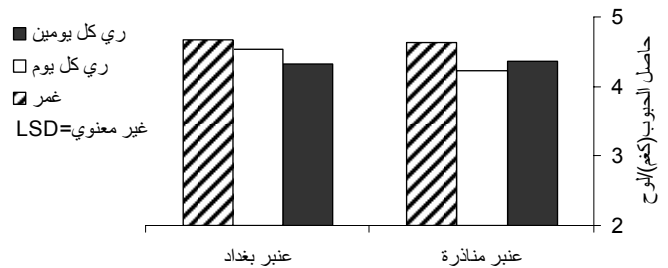
شكل (3). تأثير معاملات الري في طول الدالية(سم) في صنفى الرز عنبر بغداد وعنبر منادرة



شكل (6). تأثير معاملات الري في وزن الف حبة (غم) في صنفى الرز عنبر بغداد وعنبر منادرة



شكل (5). تأثير معاملات الري في النسبة المئوية للعقم في صنفى الرز عنبر بغداد وعنبر منادرة



شكل (7). تأثير معاملات الري في حاصل الحبوب (كغم//الوح) في صنفى الرز عنبر بغداد وعنبر منادرة

- Bouman / (2001) / %12 (7 2 1 ) %40-10 (2004 ) %62 .33
- (Tuong and Bouman, 2001) / % 23 (Bouman, 2001) %34
- .4 (Tabbal et al., 1992; Mishra et al., 1990; Tripathi et al., 1986; Sandhu et al., 1980) / 2.7 %8.69 / %5.83 7.39
- 2006
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## **Effect of Irrigation Treatments on the Growth and Yield of Two Rice Cultivars Amber Baghdad and Amber Munathera**

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### **ABSTRACT**

A field trial was carried out at the Rice Research Station in Mushkhab (Najaf/ south of Iraq) during 2006 growing seasons. The experiment was laid in split plot with three replications. Each replication involved six treatments of three irrigation intervals, continuously flooded, daily and once every two days.

Results showed that there were no significant differences between cultivars and irrigation treatments in all measurements except for plant height; the highest plant height was obtained at two days interval irrigation. The interaction between the irrigation treatments and cultivars was shown to affect plant height, number of tillers/m<sup>2</sup> and percentage of sterility.

**Keywords:** Rice, Irrigation Treatments.

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