

تأثير السماد السائل يونغرين unigreen ومستخلص عرق السوس في التداخل فيما بينهما في بعض الصفات الخضرية لنبات *Ficus nitida*

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(1 2) 2006 / *Ficus nitida*
 . / (2 1) /³

/ 2+ /³ 1)³

(

Abstract

In order to study the effect of Liquid fertilizer unigram, wild liquorices extract and the interaction between them, factorial experiment carried out in the Al- Ahlam nursery (private sector) at Hilla during spring 2006. Two levels of unigreen fertilizer (1and2) cm³/liter and two extractions of wild licorice (1and2)gm / liter were used .

The results showed that all spraying treatments with liquid fertilizer and wild licorice extract effected significantly on the plant high, average branch length, number of leaves and leaf area plant compared with control . Treating with 1 cm³ unigreen/ liter + 29 gm / liter gave the best results.

1000 *Ficus*

(Laman, 1997) q

(1989) *Ficus nitida*

Hartman)

. (1997

. (1980 Reavis 1999a,b Wright)

(1998) Spurway Thomas (B- complete)
 (0.30 – 0.25) % (2.3 – 2.2)

% (0.25 – 0.20) % (5.65 – 0.80) % (4.5 – 4.0) %

(2004) Nowak Treder .

Ficus benjamina

. Mg K , P, N

(1975) 1999 3 – 1 /

Ficus nitida

unigreen

2006 (20 – 15) 3 – 2

()

90 2006-11-15 (Seradix No.2)

45

. ()

-:

.() -1

.(/³ 1) unigreen -2

.(/³ 2) unigreen -3

.(/ 1) -4

.(/ 2) -5

.(/ 1) + (/³ 1) unigreen -6

.(/ 2) + (/³ 1) unigreen -7

.(/ 1) + (/³ 2) unigreen -8

.(/ 2) + (/³ 2) unigreen -9

4/15

(1)

unigreen

(1)

ppm						%			
Mo	B	Fe	Mn	Cu	Zn	K	P	N	
0.025	0.09	0.20	0.25	0.3	90	7	5	15	

() 2 1
24

3 Randomize Block Design

(1980)
%5 L.S.D.
(1992) SAS

- :
- (2007/7/15)
- 1 /
- 2 .()
- 3 /
- 4 /
- (²) -5

(1965) Dvorinic

10

20

° 70

10

-:

$$S = \frac{G \times s}{g}$$

(2) =s (2) =S

() =g () =G

()

(2)

+ /³ 1 unigreen) ()

(82.04) (/ 2

(53.12)

DNA RNA

(1989)

(1975)

1984

(1998 Metlon and Dufault, 1997 1993 1986)

(unigreen) (2)

/	
53.12	()
69.38	(I^3 1) unigreen
69.58	(I^3 2) unigreen
63.35	(/ 1)
63.43	(/ 2)
78.12	(/ 1) + (I^3 1) unigreen
82.04	(/ 2) + (I^3 1) unigreen
80.31	(/ 1) + (I^3 2) unigreen
79.31	(/ 2) + (I^3 2) unigreen
5.40	LSD (0.05)

معدل طول الافرع (سم)

(3)

(I^3 1) unigreen (/ 2) + (I^3 1) unigreen)
 (28.10 28.43) (/ 1) +
 (20.72)

(1988) Ahmed Abo-Shelbaya

(2001)

Zn Fe N

(2001)

(unigreen)

(3)

/	
20.72	()
24.28	($/^3$ 1) unigreen
25.12	($/^3$ 2) unigreen
24.12	(/ 1)
25.01	(/ 2)
27.01	(/ 1) + ($/^3$ 1) unigreen
28.43	(/ 2) + ($/^3$ 1) unigreen
28.10	(/ 1) + ($/^3$ 2) unigreen
27.43	(/ 2) + ($/^3$ 2) unigreen
3.85	LSD (0.05)

/

(4)

$$\begin{aligned}
 & (59.81) \quad (/ 2) + (/^3 1) \quad \text{unigreen} \\
 & (53.25) \quad (/ 1) + (/^3 1) \quad \text{unigreen} \quad (58.21)
 \end{aligned}$$

unigreen

melton

(1978) Abdul

(1998)

(1991) Dufault

(unigreen)

(4)

/

/	
53.25	()
54.55	(/ ³ 1) unigreen
53.98	(/ ³ 2) unigreen
53.92	(/ 1)
55.34	(/ 2)
58.21	(/ 1) + (/ ³ 1) unigreen
59.81	(/ 2) + (/ ³ 1) unigreen
55.01	(/ 1) + (/ ³ 2) unigreen
54.95	(/ 2) + (/ ³ 2) unigreen
1.89	LSD

(2)

(5)

1+ (/³ 2) unigreen

² (42.22) (/ 2)
² (30.69)

(Fe N)

(1989)

Pill

(1980) Lambeth

Melton

(1982)

(1998)

(1993)

(1991) Dufault

(unigreen)

(5)

² /	
30.96	()
36.48	(/ ³ 1) unigreen
42.88	(/ ³ 2) unigreen
37.55	(/ 1)
35.26	(/ 2)
42.88	(/ 1) + (/ ³ 1) unigreen
43.22	(/ 2) + (/ ³ 1) unigreen
40.88	(/ 1) + (/ ³ 2) unigreen
42.18	(/ 2) + (/ ³ 2) unigreen
4.39	LSD

Zn Fe . 2001

.82-77 : (6) 32 :

GA3 . 2001 .

— . —
1993

— . —
.1975

— . —
. 1980 .

— . —
1989

.1998 .
— — —
.1999

— . Allium cepa L.

1984

1982

1988

.99-92 :4

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