



Porcellio spinicornis Isopoda : Porcellionidae

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قسم علوم الحياة، كلية العلوم، جامعة بغداد ، بغداد – العراق.

Porcellio

/ *spinicornis*

()

0.5 0.2)

(2007)

(2.5 2.2 2.3)

(2008)

(0.1

EFFECT OF SOME ENVIRONMENTAL FACTORS ON WEIGHTS LOSING OF DIFFERENT STAGES OF *PORCELLIO SPINICORNIS* ISOPODA : PORCELLIONIDAE IN AL- JADRIYA REGION/ BAGHDAD – IRAQ

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Abstract

The present study concerned with the effect of some environmental factors (humidity and temperature) on weight losing of manca, Juvenales and adult of crustacean Isopoda *Porcellio spinicornis* under 37°C and 60% -70% humidity in the laboratory and during the period from April (2007- 2008) in field .

The study showed that the weights of manca developed to females were higher than of those developed to males , the highest loss in weights of manca developed to adults under field conditions were at the means of (2.3, 2.2 , 2.5)mg during June, July and August respectively.

Porcellio spinicornis

Obligate crustacean

[1]

(3-1) [2]
 .4
 30 [3]
 (2.5 × 7.5) .[4 ,1]
 / *Porcellio spinicornis*
 .1
 2008 2007
 .[8] CRD
 .[9]0.01 0.05
 33°15 –
 (44°21-44°28) 33°19
Porcellio spinicornis .2
 ()
 (mean ± SD) *spinicornis*
 0.01
 (1)
 0.9 .[5]
 0.7 .3
 0.7
 0.5 (8 28)
 2.5 :
 [10] 2.3
Oniscus .%40 (+)
 2.6 *asellus*
 9.4 [6]%70 -60 37

جدول 1 : اوزان المانكا واليافاعات والبالغات للحيوان القشري *Porcellio spinicornis* المرياة مختبرياً

الاناث	الذكور	الاوزان (ملغم)
a 0.9 ± 0.56	b 0.7 ± 0.25	وزن المانكا
a 0.7 ± 0.5	b 0.5 ± 0.35	وزن اليافاعات
a 2.5 ± 0.75	b 2.3 ± 0.46	وزن البالغات

Galle Nkamk Electrical Furnace
 .[7] 48 ° (70 -60)

50

Mettler

. %5

(2)

[12] (2)

Porcellio spinicornis

1.3 (2.5 2.2 2.3)

° (32 -29)

%64-%60

° (36.5 -35.5)

%31 -30%

2.5

. [5 2] Porcellionides

:2

Porcellio spinicornis

-22.75)

-%36.4

° (30.6

%41.5

الرتوية النسبية %	معدل درجة الحرارة °م	درجة الحرارة العظمى °م	درجة الحرارة الصغرى °م	معدل الفقد (ملغم)	الشهر
41.5	22.75	28	17.5	1.2C	2-4-2007
29.5	27.5	40	19	1.6B	1-5-2007
30	36	43.5	28.6	2.3A	3-6-2007
30	45.4	54.3	36.5	2.2A	2-7-2007
31	41.8	50.6	33	2.5A	2-8-2007
39.3	30.6	40	19.5	1.2 C	1-9-2007
36.4	24.1	32.8	17.5	1.0 C	2-10-2007
55.8	18.3	30	7	1.9 B	2-11-2007
57	12.6	23.6	5	0.2E	5-12-2007
61.1	12.8	23.4	0	0.5D	2-1-2008
54.8	15.4	25	4.5	0.1E	3-2-2008
42.5	17.5	27.7	7	0.1E	2-3-2008
43.5	21.3	26.4	16.2	1.3C	4-4-2008

1.2)

[1]

(1.2 1.0

° 12.8

%54.8

0.1

المتوسطات التي تحمل الحروف المتشابهة ضمن العمود الواحد تدل على عدم وجود فروقات معنوية وفق اختبار دنكن متعدد الحدود عند مستوى معنوي الاحتمال 5% .

0.5 0.2)

(0.1

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° (15.4 -12.6)

[3] .%61.1 - %54.8

Porcellio spinicornis

[11]

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