

Ceratitis capitata* (Wiedemann) (Diptera : Tephretidae))**Citrus reticulata* Lenth**

/ -

.2009

						()
			2 ± 20			2± 30
13.8	20.4	8.8	26.6	52.4	18.2	
303.2			74.4	139.6	43.4	
			2 ± 20	2 ± 30		225.6 159.4

**Biological Aspects of Mediterranean Fruit fly *Ceratitis capitata*
(Weid.) (Diptera: Tephritidae) on Tangerine
Citrus reticulata (enther)**

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Abstract

The study was conducted under laboratory and field conditions during Fa/ 1 season of 2009. The results showed that all development stage of insect were affected by different temperatures when they on mandarin fruit. All biological aspects of the fly were affected by different temperature. The shortest period of the studied biological aspects was recorded at 30 ± 2 °C, while the longest period was at 20 ± 2 °C. The period from egg laying until complete larvae development and leaving the fruit reached 18.2, 52.4, 26.6 days, the pupal stage periods 8.8, 20.4, 13.8 days, the life cycle duration reached 43.4, 139.6, 74.4 days, while the average number of laid eggs per females were 303.2, 159.4, 225.6 eggs at 30 ± 2 °C, 20 ± 2 °C in laboratory and field conditions respectively. The results also showed that isolated female laid eggs but was not hatched and the longevity virginopara female which isolated from male survival longest than female which sexual reproduction.

(1) Katsoyannos
 60
Ceratitis capitata Homoptera
Phyllocnistis citrella (Anther) (Weid)

(2)
 300
 (3)
 1947

(4)
 (5) 2006
 (6)
 30-15
 (7)
 8-3
 (8)
 9-5

-50
 2 ± 30 20
 Thermohygrometer %60
 Horstmann
 (8) 10 : 14
 20 × 15 10 24
 ()
 ()
 %75
 :

	24			
5	15×10	10		5
	2 ± 20			
	. %60-50	2 ± 30		
		15×10	10	
		2		
			/ 10	
	(5)	5	10	
			2	
				10
5	20×15	10		
	2 ± 30 20			5
		()		
		/ ()		
		%75		
	(X10)			
			(X15)	

	(6)	6	15 × 10	12
	()			/
			%75	
	(X10)			
)		20 × 30 × 20	5	(
	/ ()			24
13 – 6.8		%57 – 36	32.5 – 21.2	
		()		
2	(5)		/ 10	
	(CRD)			
SAS		0.05	(L.S.D)	(.9)

			(15)Wigglesworth	
Christenson				(11)Foot
300		/	800	
			1	
			8-2	
	(8)Rigamonti			
(11)	25			
5.2		(1)		
	2 ± 20	33	2 ± 30	
- 21.2	8.6 - 3.2		15.6	
			.%77 - 57	23.8
(10) Quilici	Ducky			
	<i>Ceratitis capitata</i>			
	30-15		<i>C. catoirii</i>	<i>C. rosa</i>
(1)				
2 ± 30	4	2 ± 20	14	
16.2	7.8 - 1-			5.8
			. %65 - 40	21.5 -
				2 ± 30
		()		
2 ± 20				(1)
2 ± 30				
	2 ± 20	57	61.6	
%70 - 57	24.4 - 21.2	11.6 - 6.8		
	2 ± 30	14.4		
	2 ± 30	20	11.4	41.4

(17) Chapman

(2)

()	%	/	
76	0	43.23	2 ± 20
29	0	98.25	2 ± 30
63	0	71.10	
12.39	-	16.33	L.S.D

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