

***Monosteria unicostata* (Mul. and Rey) (Tingidae: Hemiptera)**

	-	-	
	<i>Iris spp</i>	<i>Agaves spp</i>	<i>Ruta graveolens</i>
	%72	%9	
	0.66 0.65 1		%62 60
			.
%9			.
			.%52.22
	(2009	2006	1995)
	(2010,)
	(2009	2002)
			<i>Monosteria unicostata</i> (Mul. and Rey)
			.
)	(1999	1981	1981

2009-2008

() (Asia)969/4804

() () : .1

Agaves Rutaceae *Ruta graveolens*

() (Agavaceae) Amaryllidaceae spp

(2010, 1996) .Lridaceae *Iris* spp.

25

60 100

4 24

Whatman No.1

Lyophelizer

(1987 Riöse) . : .2

%5±60 °5±27

%9 7 5 3 1

1 (9)

microsyngae

24 10

(1977) Finny LC₅₀ : .3

%5±6 °5±25

Chemotropometer %9 7 5 3 1

100 . (1971 Busvine)

3

15 10

(1993) :

$$100 \times \frac{\text{LC}_{50}}{\text{LC}_{50}} = \%$$

$$100 \times \frac{\text{LC}_{50}}{\text{LC}_{50}} = \%$$

$$\text{_____} =$$

$$\text{_____} =$$

(1960) Johnson Sun

$$\frac{\text{LC}_{50}}{\text{LC}_{50}} =$$

$$100 \times \frac{\text{LC}_{50}}{\text{LC}_{50}} =$$

(C.R.D.)

.%5

(SAS)
(1990)

(1) : .1

%60

%72

%9

.%

%62

%28 26 38

47.33 33.33 24.66 14.00

%64.66

. (2006)

%60

24

(2010) Anon

1800

Quinazoline

. Rutacarpine

Vasicine

. 1

. *Monosteria unicostata*

		%					
		9	7	5	3	1	
		S.E±	S.E±	S.E±	S.E±	S.E±	
38	0	2.94±72.00	2.10±58.00	2.66±42.00	2.24±36.00	1.58±20	
26	0	2.58±60.00	2.45±44.00	2.46±26.00	1.12±18.00	1.25±8.00	
28	0	2.82±62.00	2.31±40.00	2.60±32.00	1.97±20.00	1.56±14.00	
	0	64.66	47.33	33.33	24.66	14	

%5

LC₅₀ (2)

0.081 0.082 0.054
1.68 1.77 1.46
100.00 151.85

LC₅₀

%101.23

0,66 0,65 1

LC₅₀ .2

. *Monosteria unicostata*

	%				LC ₅₀	
1.000	151.85	1.46	0.056-0.045		0.054	
0.658	100.00	1.77	0.097-0.062		0.082	
0.666	101.23	1.68	0.058-0.056		0.081	

(3)

:

.2

%24.44 %21.33 %25.55
%27.24 21.22 33.37

.3

. *Monosteria unicostata*

		%	%	
33.37	0	25.55	0	
21.22	6.53	21.33	8	
27.44	0	22.44	0	

%5

(4)

%9 %45,55 -5,92
 .%43,92-7,63

.4

. *Monosteria unicostata*

		%	%	%
7.63	0	5.92	0	1
19.29	0.85	11.85	1.11	3
30.63	2.70	20.74	2.96	5
35.25	3.44	31.48	4.07	7
43.92	4.11	45.55	5.18	9

%5

(5)

% 15.55-3.33
 .11.66-2.55
 -10
 %41.11-8.88 %43.33-4.44 %52.22
 -4.55 48.33-9.66
 . 44.22-9.66 39.22

Myristic Irone
)
 .(2010 1988

.5

. Monosteria unicostata

		%	%	%	
9.66		10		1	
24.33		17.77		3	
		-			
42.00		25.55		5	
42.55		33.33		7	
48.33		52.22		9	
4.55		4.44		1	
9.77	2.55	8.88	3.33	3	
21.44	8.11	20.00	8.88	5	
31.11	10.33	30.00	12.22	7	
39.22	11.66	43.33	15.55	9	
8.66		3.33		1	
23.77		8.88		3	
28.44		16.66		5	
32.11		31.11		7	
44.42		41.11		9	

%5

- .2010.

336,

.1999.

.Monosteria unicostata Mul.

53

- .1990.
545
1996.
395
- .1981.
312
- .1993.
520
- .1995.
295
- .2002.
388
- Tribolium* .2009.
.24-18:(2)1, , *castanium*
- .2006.
Callosobruchus maculatus (Fab.)
.128-120 (2)24
- .2006.
Spodoptera exigua *Melia azadarach* L.
.51-49 (1)24 .(H.)
- .1981.
Monosteria unicastata Mul. (Tingidae: Hemiptera)
130-117 (1)16
- .2010.
(F.) 190-184(2) 38, , *Stephanitis pyri*
.2009.
- (4)37 *Stephanitis pyri*(F.) Tingidae:Hemiptera
.188-179
- .1988.
514,
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THE BIOTIC EFFECT OF SOME ORNAMENT PLANTS ON POUPEL BUGS *Monosteria unicastata* (Mul. and Rey) (Tingidae: Hemiptera)

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ABSTRACT

The study was conducted to study the of water extracts of some ornamental plants *Ruta graveolens*, *Agaves sislana*, *Iris florintena* in poupele bug insects, showed a significant difference in the average mortality percentage in the insects according to the kind of the extract and concentration. Ruta extract showed high relative toxicity giving a mortality on insects 72% in comparison with the Agave and Iris (62 and 60 %)at 9% concentration respectively.Toxicity values have also been studied 1, 0.65, 0.66 at the Ruta; agave; Iris respectively. showed a significant difference in the attraction and repellency resopies the study also of the insects according to plants and the extract concentration where Ruta plant showed a superior repellency effect on insects in comparison with the other plant extracts and the effect of interaction between kind of extract and concentration gave Ruta plant at 9% concentration highest repellency percentage reached 52.22%.