

()

***Myzus persicae* (Sulzer)**

♂

(// : // :)

Archive of SID

(I₅₀)

/ × / × / ×

/ × / × / ×

/ /

:

Solanaceae

Y

Myzus persicae Sulzer

Chenopodiaceae

()

Cucurbitaceae

(.)

(.)

. ()

()

. ()

. ()

)

() (kdr)

. ()

E4

(AGS)

()

E4

()

. () E4 mRNA

(EC %)

. ()

)

(

-
- 2. Oxydimeton methyl
 - 3. Bayer
 - 4. Acetylthiocholine Iodide
 - 5. 5,5- dithiobis- (2-nitrobenzoic acid) (DTNB)
 - 6. Wako
 - 7. Accustandard

. ()

Microtiter plate

1. Sequester

± (:) : ± :
 ()
150 :
 X (pH=) (+
 (V/V))
 g
 () (+)
 () (+)
 () /)
 (AGS)
 () ()
 DTNB

3. Polo-pc
 4. Beckman

1. Topical application
 2. Burkard®

)

I50

(
()

) /

(
/
()

LD50

LD50

()

()

%
()

LD50

(Aphis gossypii Glover)

()

()

LD50

)

(

()

()

LD50

LD50

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Archive of SID

A B B

LD50 ()

/ mg/L

LD50 ()

/ ()

()

()

1. Relative potency = $\frac{LD_{50}}{LD_{50}}$ /

LD₅₀

2. Leaf dip bioassay

... :

X2 (df)c	SE±	b(%)	LD50a (%)
/ ()	/ ± /	(/ /) /	(/ /) /
/ ()	/ ± /	(/ - /) /	(/ /) /
/ ()	/ ± /	(/ - /) /	(/ /) /
/ ()	/ ± /	d	(/ /) /
/ ()	/ ± /	(/ - /) /	(/ /) /
/ ()	/ ± /	(/ - /) / *	(/ /) / *

() LD50 (µg /) a
 LD50 = b
 % X2 c
 d
 % LD50 *

X2 (df)c	SE±	b(%)	LD50a (%)
/ ()	/ ± /	(/ /) /	(/ /) /
/ ()	/ ± /	(/ - /) /	(/ /) /
/ ()	/ ± /	(/ - /) /	(/ /) /
/ ()	/ ± /	d	(/ /) /
/ ()	/ ± /	(/ - /) / *	(/ /) / *

- e
 µg AI1/ a
 () LD50 LD50 = b
 % X2 c
 d
 LD50 e
 % LD50 *

1. AI (Active ingredient)

) B () LD50 %
 ()
 E4 LD50 .()
 .()
 /
 () ()
 ()
 B ()
 ($\chi^2 =$ / df= $p \leq$ /)
 ($\chi^2 =$ / df= $p \leq$ /)
 LD50
 .() .()
 .() .() /

RR	() I ₅₀	RR ¹	() I ₅₀
/	/ *	/	/ *
—	* *	—	/ *
—	/ *	—	/ *

.()
 .()
 .() / /
 .()
 I50 .
 .()
)
 .() .()

2. Triazamate

$$1. RR = \frac{LD_{50} \text{ of } R}{LD_{50} \text{ of } S}$$

()

()

)

(

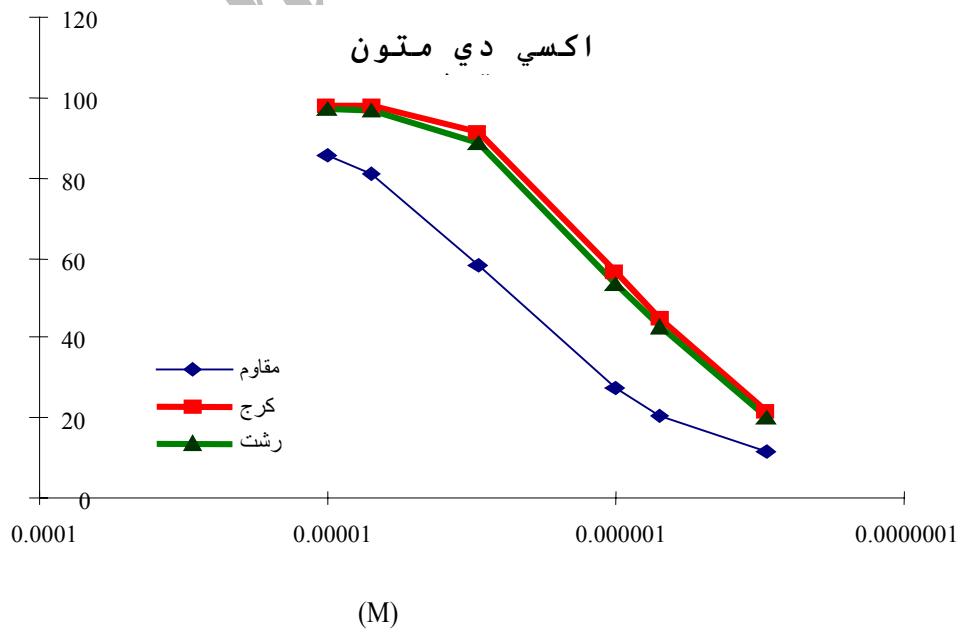
LD50

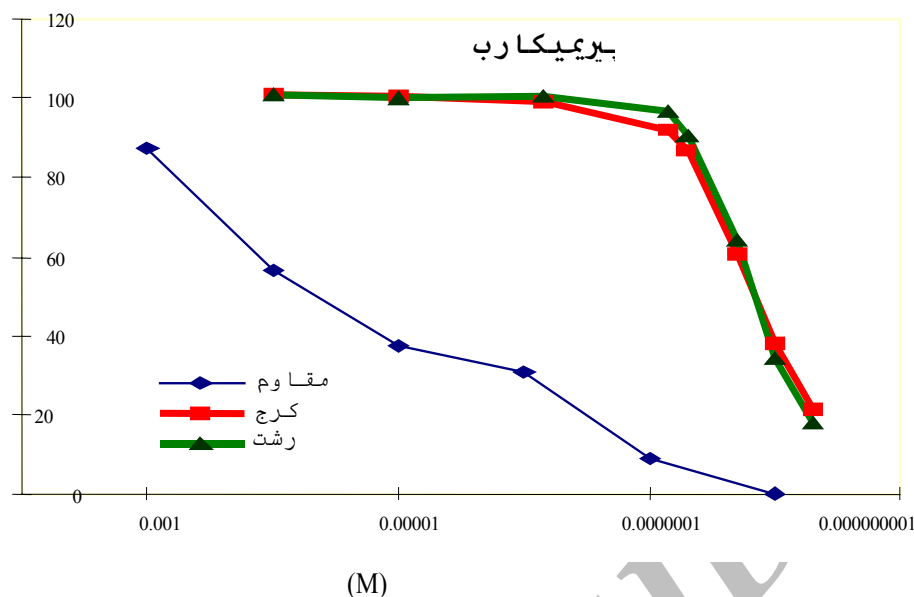
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1. Affinity





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