

()

Microtus socialis Pallas, 1773

(// : // :)

$\bar{x} \pm s$ () $\bar{x} \pm s$
 () $\bar{x} \pm s$ ()
 % / () % / % /
 . () % / ()
 %

()

()

1

()

K

(.)

.()

.()

3 2 1

.()

% /
% /

(% /)

4

.()

)

(

Microtus socialis Pallas, 1773

"

()

()

5

5. No-choice feeding

-
1. Brodifacoum
 2. Bromadiolone
 3. Difethialone
 4. Single feeding anticoagulant

... :

()

()

()

(% /) (

1

(% /) (

() () ()

(% /) (

(

()

()

()

LSD

2

PHARM/PCS-Version 4

$$\% \text{ Success} = 100 \times (1 - \{(T_2 \times C_1) / (T_1 \times C_2)\})$$

C₁ T₁

()

()

/

*

C₂ T₂

%=

/ ± /

-
1. Choice feeding
 2. II-way ANOVA test

$\frac{1}{\dots} \pm \frac{1}{\dots}$ () $\frac{1}{\dots} \pm \frac{1}{\dots}$ /
 .() $\frac{1}{\dots} \pm \frac{1}{\dots}$ ()
 $\frac{1}{\dots} \pm \frac{1}{\dots}$ ()
 .() ()
LSD
) $\frac{1}{\dots} \pm \frac{1}{\dots}$
 .() () /
 () $\frac{1}{\dots} \pm \frac{1}{\dots}$
 $\frac{1}{\dots} \pm \frac{1}{\dots}$

g/kg BW±SEM	g/kg BW±SEM	g ± SEM
+		
/	/	/
± /	± /	± /
/	/	/
± /	± /	± /
/	/	/
± /	± /	± /
/	/	/
± /	± /	± /

g/kg BW±SEM	g/kg BW±SEM	g ± SEM
+		
/	/	/
± /	± /	± /
/	/	/
± /	± /	± /
/	/	/
± /	± /	± /
/	/	/
± /	± /	± /

()
(a) ()

REFERENCES

2. Barlow A.M., A. L. Gay, & B. K. Park. 1982. Difenacoum (Neosorexa) poisoning. *British Medical Journal*, 285:541.
3. Godfrey, M.E.R., T. C. Reid, & H. J. F. McAllum. 1981. The oral toxicity of brodifacoum to rabbits. *N. Z. Journal of Experimental Agriculture*, 9: 23-25.
4. Hayes, W. 1982. *Pesticides studied in man*. Williams and Wilkins, Baltimore, 672 pp.
5. Henderson, C.F. & E. W. Tilton. 1955. Test with acaricides against the brown mite. *Journal of Economic Entomology* 48:157-161.
6. Leck, J. B. & Park, E.C. 1981. A comparative study of the effects of warfarin and brodifacoum on the relationship between vitamin K, metabolism and clotting factor activity in warfarin-susceptible and warfarin-resistant rats. *Biochemical pharmacology*, 30:123-128.
7. Marsh, R.E. 1985. The susceptibility of dogs to anticoagulant rodenticide. *Vet. Facts pp.* 1-17.
8. Marshall, E.F. 1992. The effectiveness of Difethialone for controlling Norway rats and house mice under field conditions. *Proceedings of the Vertebrate Pest Conference*. California, USA
9. Nahas, K., G. Lorgue, & M. Mazallon. 1989. Difethialone: a new anticoagulant rodenticide for use against warfarin-resistant and -susceptible strains of *Rattus norvegicus* and *Mus musculus*. *Ann Rech Vet* 20(2): 154-1640.
10. Parshad, V. R. & N. Ahmad. 1996. Rodent pest management in agriculture: Problems, strategies, and implementation. *Research journal of Punjab agricultural university* 33, 266-281.
11. Prakash, I. 1986. *Rodent Pest Management*, CRC Press, Inc.

12. Saxena, Y. 1999. Laboratory studies on difethialone bait efficacy against some rodent Species. National Academy of Science Letters, 15:11, 345-355.
13. Saxena, Y. & H. Bhasin. 1991. Agility of novel second generation anticoagulants against field rodents. National Academy of Science Letters, 14:12, 483-485.
14. Saxena, Y. & K. Saxena. 1994. Toxicity of difethialone against *Meriones hurrianae* under no-choice feeding test. Journal of the Bombay Natural History Society, 91:3, 448-449.
15. Vukas M., B. Manojlovic, A. Izabel, M. Cvetkovic, M. Kostic, & V. Sabovljevic. 1993a. Effectiveness of the control of rodents in public places and on lucerne with the rodenticide Baraki (difethialone). Zastita – Bilja, 44:2,157-166.
16. Vukas, M., B. Manojloric, A. Izabel, M. Cvetkovic, & V. Sabovljevic. 1993b. Study of the toxicity of difethialone to *Rattus norvegicus* under laboratory Conditions. Zastita– Bilja, 44:3, 134-141
17. Vukas, M., N. Dimic, M. Injac, P. Peric, S. Krnajaic, & F. Polensy. 1995. Optimization of rodenticide application in orchard protection. Acta Horticulturae, 422, 384-391.

