

LD50 VALUES

Non-Target Comparison Chart

Grams of Bait to deliver an LD50 dose to 1 kg body weight

ACTIVE ANIMAL	DIFENACOUM 50PPM	BROMADIOLONE 50PPM	BRODIFACOUM 50PPM	FLOCOUMAFEN 50PPM	WARFARIN 200PPM	CHOLECALCIFEROL 750PPM
Rabbit	40	20	5.8	14	3200	12
Pig	1600	60	10	-	4	-
Dog	1000	200	5	1.5	80	13.4
Cat	2000	500	500	-	40	166.7
Chicken	1000	1000	200	-	4000	-
Sheep	2000	-	20	-	-	-

All data has been taken from Industry Manufacturers, Veterinary studies and the Hayes Handbook of Pesticide Toxicology (Third Edition) and should be taken as a cautionary estimate and not an absolute, in case of accidental poisoning ALWAYS contact a Veterinary Professional.

LD50 VALUES

Target Comparison Chart With No Resistance

Milligrams of >90% Pure Technical Material to deliver an LD50 dose to 1 kg body weight

ACTIVE ANIMAL	DIFENACOUM	BROMADIOLONE	BRODIFACOUM	FLOCOUMAFEN	WARFARIN	CHOLECALCIFEROL
Rat	1.8	1.2	0.4	0.25	10.4	41
Mouse	0.8	1.75	0.4	0.8	374	43

Grams of Bait to deliver an LD50 dose to Animal of Stated Bodyweight

ACTIVE ANIMAL	DIFENACOUM 50PPM	BROMADIOLONE 50PPM	BRODIFACOUM 50PPM	FLOCOUMAFEN 50PPM	WARFARIN 200PPM	CHOLECALCIFEROL 750PPM
Rat @250g	9	6	2	1.3	7	13.7
Mouse @0.25g	0.4	0.9	0.2	0.4	25	1.4

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Target Comparison Chart Modified for Resistance

Resistance factors in male/female homozygous Rats

ACTIVE		DIFENACOU M	BROMADIOLONE	BRODIFACOU M	FLOCOUMAFEN
VKOR					
Susceptible (Baseline ED)		Male/Female 0.65/0.79	Male/Female 0.47/0.62	Male/Female 0.22/0.23	Male/Female 0.29/0.34
L120Q	RESISTANCE FACTOR	4.8/12	10/14	2.8/6.7	2.5/3.2
	BAIT REQUIRED FOR 250G RAT	43/108 (75.5 grams)	60/84 (72 grams)	5.6/13.4 (9.5 grams)	3.25/4.16 (3.7 grams)
Y139C	RESISTANCE FACTOR	1.6/2.9	17/15	1.2/1.8	0.8/1
	BAIT REQUIRED FOR 250G RAT	14.4/26.1 (20.25 grams)	102/90 (96 grams)	2.4/3.6 (3 grams)	1.04/1.3 (1.2 grams)
Y139F	RESISTANCE FACTOR	1.4/1.9	7/9	1.3/1.3	1/1
	BAIT REQUIRED FOR 250G RAT	12.6/17.1 (14.85 grams)	42/54 (48 grams)	2.6/2.6 (2.6 grams)	1.3/1.3 (1.3 grams)

Resistance factors given are the multiples in the dose of the respective compound, which is required to elicit an effect. They are displayed separately by sex, then as a combined average below.

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