

First Generation vs Second Generation

First-generation anticoagulant rodenticides	Second-generation anticoagulant rodenticides
➤ Multi –feed required for lethal dose	➤ Single-feed for lethal dose. Death 3 to 5 days later. This bait aversion.
➤ Break down faster in rodents	➤ More persistent in rodent tissue
➤ Lower risk of secondary poisoning	➤ Higher risk of secondary poisoning to non target animals
Couma All Weather Block - coumatetralyl	First Formula 0.05g/kg brodifacoum
	Pro Formula 0.05g/kg difenacoum
	Broma Block 0.05g/kg bromadiolone
	Broma Grain 0.05g/kg bromadiolone
	Broma Liquid 0.05g/kg bromadiolone



Points to consider when selecting a rodenticide for use in and around buildings

- Which rodent species are present (Norway rat, black rat, or house mouse)?
- Rodent population?
- Where are rodents' harborages and runways?
- Are there foodstuffs stored or manufactured nearby?
- Are non-target animals or children at risk?
- What is the possibility of secondary poisoning on the site (animals eating poisoned rodents)?
- What is the relative toxicity of the various baiting options?



RODENTICIDES LETHAL DOSE TECHNICAL SHEET

Primary Poisoning = the direct effect that the Rodenticide has on target pest animals (rats and mice) as well as accidental bait consumption by a dog

	First Formula Brodifacoum	Surefire Broma Blocks Bromadiolone	Surefire Broma Grain Bait Bromadiolone	Surefire Pro Formula Difenacoum	Surefire Couma Rodenticide
	Number of blocks to attain *LD50	Number of blocks to attain LD50	Weight of grain to attain LD50	Number of blocks to attain LD50	Number of blocks to attain LD50
Medium Dog 10 – 20 kg	LD 50 = 5g bait/kg 3.3 blocks	LD50 = 200g bait/kg 133 blocks	LD50 = 200g bait/kg 2 kg bait	LD50 = 1000g bait/kg 666 blocks	LD50 = 94g bait/kg 62 blocks
Rat 250g	LD50 = 5.2g bait/kg 0.1 blocks/rat	LD50 = 15g bait/kg 0.25 blocks/rat	LD50 = 15g bait/kg 3.7 g bait/rat	LD50 = 36g bait/kg 0.6 block/rat	LD50 = 44g bait/kg 0.75 block/rat
Mouse 25g	LD50 = 8.0 g bait/kg 0.02 block/mouse	LD50 = 36g bait/kg 0.08 block/mouse	LD50 = 36g bait/kg 0.9 g bait/mouse	LD50 = 16g bait/kg 0.04 block/mouse	LD50 = 5320g bait/kg 9 blocks/mouse

Secondary poisoning = the effect that the rodenticide might have on a dog following consumption of a poisoned rodent

Non-Target Animal	First Formula Blocks	Surefire Broma Blocks	Surefire Broma Grain Bait	Pro Formula Blocks
Medium Dog 10-20kg	*22 -44	*357	*357	*560

**The number of rodents that need to be consumed by a dog to attain LD50*



Rodenticides - Fresh, Local, Reliable

- Manufactured in Brisbane, QLD
- Made from Aussie-grown wheat and grains plus ingredients
- Made fresh daily, ensuring palatability & effectiveness.
- Choice of 4 actives.



► *Manufactured in Brisbane*

