

# BRODIFACOUM CONCENTRATES



**Brodifacoum is a single feed second generation anticoagulant effective against rats and mice.** The active substance is formulated on a food base, typically cereal, to produce a ready-for-use bait containing 0.005% w/w brodifacoum. Baits containing 0.001% w/w and 0.002% w/w brodifacoum are also produced.

PelGar supplies a range of concentrates containing 0.25%, 0.5% or 2.5% w/w brodifacoum in a glycol base.

All PelGar concentrates include a dyestuff and the bittering agent denatonium benzoate. Standard dye colours are red and blue, but different dyes or no colour baits are available on request.

Denatonium benzoate is routinely included in the concentrates at a rate of 10ppm in the standard ready-for-use bait which contains 50ppm of the active substance. Concentrates containing different levels of denatonium benzoate are available on request.

## Activity level

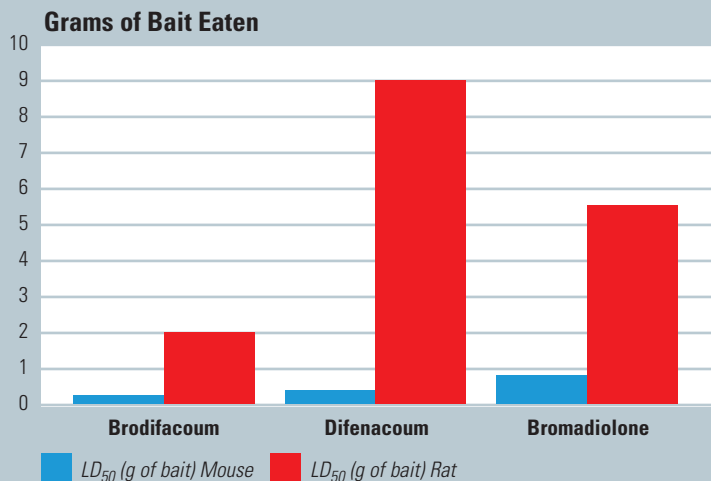
When compared to other anti-coagulant rodenticides, brodifacoum has an excellent level of activity against the brown rat and the house mouse. The 'farm yard' profile of brodifacoum is very aggressive, and special care should be taken if brodifacoum baits are used outdoors.

As with all anticoagulants, accidental poisoning with brodifacoum can be antidoted with vitamin K1.

Second generation anti-coagulants can be presented in a variety of formulations. Grain based baits account for most of those sold in Europe. However, depending on requirements, pellets, wax blocks and pasta baits can be manufactured and are popular alternatives.



## Efficacy of Common Rodenticides against Rats and Mice



Anticoagulant	LD <sub>50</sub> mg/kg Mouse / Rat	A.I. Concentration Normal Bait (ppm)	LD <sub>50</sub> (g of bait) Mouse	LD <sub>50</sub> (g of bait) Rat
<b>Brodifacoum</b>	<b>0.27 / 0.40</b>	<b>50</b>	<b>0.2</b>	<b>2</b>
Difenacoum	0.80 / 1.80	50	0.4	9
Bromadiolone	1.75 / 1.125	50	0.9	5.6

Toxicity data taken from the Pesticide Manual. Other industry sources may show slightly different values.

## Brodifacoum 0.25% w/w concentrate

This is a rodenticide concentrate, based on the second generation anticoagulant brodifacoum, for the preparation of rodenticide baits.

The product contains 2.5g/kg brodifacoum and (typically) 0.5g/kg of the bittering agent denatonium benzoate. The concentrate contains either a red or blue dye at a level that, when diluted will, satisfactorily colour the finished baits. Other dye colours are available at special minimum order products.

1kg of the 0.25% concentrate should be mixed with 49kg of a suitable bait base, such as wheat.

*Packaging:*

25kg UN approved drum  
200kg UN approved drum

*Transport information:*

UN 3026 PG III  
Class 6.1  
Hazard ID 60  
COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC  
(contains brodifacoum)

## Brodifacoum 0.50% w/w concentrate

This is a rodenticide concentrate, based on the second generation anticoagulant brodifacoum, for the preparation of rodenticide baits.

The product contains 5g/kg brodifacoum and (typically) 1.0g/kg of the bittering agent denatonium benzoate. The concentrate contains either a red or blue dye at a level that, when diluted will, satisfactorily colour the finished baits. Other dye colours are available at special minimum order products.

1kg of the 0.50% concentrate should be mixed with 99kg of a suitable bait base, such as wheat.

*Packaging:*

25kg UN approved drum  
200kg UN approved drum

*Transport information:*

UN 3026 PG II  
Class 6.1  
Hazard ID 60  
COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC  
(contains brodifacoum)

## Brodifacoum 2.50% w/w concentrate

This is a rodenticide concentrate, based on the second generation anticoagulant brodifacoum, for the preparation of rodenticide baits.

The product contains 25g/kg brodifacoum and (typically) 5g/kg of the bittering agent denatonium benzoate. The concentrate contains either a red or blue marker dye only. This marker dye WILL NOT satisfactorily colour the finished baits and additional compatible dyestuff must be added as desired.

1kg of the 2.5% concentrate should be mixed with 499kg of a suitable bait base, such as wheat. It is normal to prepare a 0.25% 'pre-mix' by dilution of this concentrate with (mono-) propylene glycols. This will allow complete coverage of the chosen bait material during the mixing process.

*Packaging:*

25kg UN approved drum  
200kg UN approved drum

*Transport information:*

UN 3026 PG II  
Class 6.1  
Marine Pollutant  
Hazard ID 60  
COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC  
(contains brodifacoum)



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