

GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE  
Date formulated: GEDRUK OP HOUER/SAK  
Formuleringsdatum: GEDRUK OP HOUER/SAK

DIRECTIONS FOR USE ENCLOSED  
REFER TO DETAILS PRINTED  
ON CONTAINER/BAG  
Batch number:  
Lotnummer:

READ THIS ENTIRE LABEL AND FOLLOW ALL USE DIRECTIONS AND USE PRECAUTIONS.  
USE ONLY FOR THE SITES, PESTS, AND APPLICATION METHODS DESCRIBED ON THIS LABEL.

ONLY FOR SALE AND USE BY REGISTERED PEST CONTROL OPERATORS.

Rodenticide



# RATAGON LIQUID CONCENTRATE

Reg. No. L 11099 Act/Wet No. 36 of/van 1947

1: 6/10/2021–Oct2021

*A highly active anti-coagulant liquid bait for the control of Rats, Mice,  
Gerbils as indicated.*

*'n Hoogs aktiewe antibloedstillings vloeistof lokaas vir die beheer van Rotte,  
Muise en Springhaasrotte soos aangedui.*

## ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

brodifacoum (anti-coagulant) 2.5 g/l brodifakum (bloedstolweermiddel)



**villa**

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. / Mpy. Reg. Nr. 1992/002474/07

PO Box / Posbus 10413, Aston Manor, 1630

Tel: 011 396 2233

Website / Webblad: [www.villacrop.co.za](http://www.villacrop.co.za)

### 24 HR EMERGENCY NUMBERS:

Griffon Poison Information Centre: +27 82 446 8946

24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

UN Number: 2902



Willow Set & Print 011 394-4486



TOXIC /  
GIFTIG

**RATAGON LIQUID CONCENTRATE**

Reg. No. L 11099 Act/Wet No. 36 of/van 1947

**ACTIVE INGREDIENT / AKTIEWE BESTANDEEL:**

brodifacoum (anticoalant) / brodifakum (bloedtolweermiddel)..... 2.5 g/l

Registration holder / Registrasiehouer:

**VILLA CROP PROTECTION (PTY) LTD.**

Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr

P.O. Box / Posbus 801

KEMPTON PARK, 1620 Tel. (011) 396 2233

**TOXIC****GIFTIG****HIGHLY HAZARDOUS TO HUMANS, DOMESTIC ANIMALS AND RAPTORS.****The active ingredient is designed to cause bleeding after repeated ingestion.****WARNINGS**

- Toxic if swallowed or inhaled.
- Harmful in contact.
- Keep away from children, domestic animals and pets.
- Toxic to aquatic life with long lasting effects.
- All handlers (including applicators) must wear waterproof gloves.
- Any person who retrieves rodent carcasses or unused bait following application of this product must wear waterproof gloves.
- **In case of poisoning, take the patient immediately to a doctor and make this label available to him/her.**

**THE DIRECTIONS FOR USE OF THIS PRODUCT MUST BE FOLLOWED CAREFULLY. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. INJURY, INEFFECTIVENESS OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS MANNER OF USE OR APPLICATION, WEATHER, PRESENCE OF OTHER MATERIALS OR OTHER INFLUENCING FACTORS IN THE USE OF THE PRODUCT, WHICH ARE BEYOND THE CONTROL OF VILLA CROP PROTECTION (PTY) LTD. OR SELLER/DISTRIBUTOR. TO THE EXTENT PERMITTED BY APPLICABLE LAW, BUYER AND USER AGREE TO HOLD VILLA CROP PROTECTION AND SELLER HARMLESS FOR ANY CLAIMS RELATING TO SUCH FACTORS.**

**PRECAUTIONS**

- Do not place **RATAGON LIQUID CONCENTRATE** where children, farm animals, birds or pets can gain access to it. Set bait stations where it will be inaccessible to children and domestic animals.
- Do not eat, drink or smoke when handling this product.
- Prevent contamination of food, feeds, eating utensils and drinking water.
- Avoid skin contact - wear rubber gloves when handling and wash hands thereafter.
- Wash hands thoroughly immediately after applying the bait and before eating, drinking, using tobacco or using the toilet and change into clean clothing.
- Do not contaminate water, food, feedstuffs, food or feed handling equipment, milk or meat handling equipment or surfaces that come into direct contact with food.
- Store only in the original container in a cool, dry place; inaccessible to children and pets. Keep containers closed and away from other chemicals.
- Dispose of waste resulting from the use of this product at an approved waste disposal facility. **Never** dispose of unused product down any indoor or outdoor drain.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- **Prevent contamination of food, feeds, drinking water and eating utensils.**

**SYMPTOMS OF HUMAN POISONING**

Lethargy, abdominal pain, bleeding from gums and nose, bleeding under skin, pallor, hemorrhaged into and around elbow and knee joints. Blood in urine and faeces.

**FIRST AID TREATMENT****Have label with when obtaining treatment advice**

- Ingestion:** **Seek medical attention immediately.** Induce vomiting if possible. Repeat until vomit is clear. As an alternative give a slurry of activate charcoal in water to drink, at least three (3) tablespoons in a glass of water. Never give an unconscious person water to drink.
- Skin Contact:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists / if feeling unwell.
- Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation persists / if feeling sick.
- Eye Contact:** Flush eyes with clean water. Lift eyelids to facilitate irrigation. If present, remove contact lenses and continue rinsing. Seek medical attention if irritation occurs.

**NOTE TO PHYSICIAN**

This product contains anticoagulants with an effect similar to warfarin, which acts by interfering with the synthesis of prothrombin. Gastric lavage may be effective when performed within 4 hours of ingestion. Note that the symptoms may only occur 12-18 hours after ingestion.

**Antidote: Vitamin K1 (e.g. Phytomenadione or Konakion).**

**Dose:** Child 20 mg per day, Adult 40 mg per day in divided doses, orally or by injection. Monitor prothrombin time and hemoglobin levels. Maintain treatment and keep person under supervision until prothrombin times return to and remain normal. In serious cases, small-scale blood transfusions might be required.

**TREATMENT FOR PET POISONING**

- If an animal consumes bait, call a veterinarian **IMMEDIATELY**.

**NOTE TO VETERINARIAN**

Anticoagulant **Brodifacoum**: For animals ingesting bait, and/or showing poisoning signs (bleeding or elevated prothrombin times), give Vitamin K1 at doses of 205 mg/kg. If needed, check prothrombin times every 3 days until values return to normal (up to 30 days). In severe cases, blood transfusions may be needed.

**USE RESTRICTIONS AND ENVIRONMENTAL HAZARDS**

- **IT IS AGAINST THE LAW TO USE RATAGON LIQUID CONCENTRATE WITHOUT A LIQUID DISPENSER WITH A BAIT STATION, SINCE THIS POSES UNNECESSARY RISK TO NON-TARGET ANIMALS.**
- **DO NOT APPLY THIS PRODUCT AS A BROADCAST APPLICATION OVER A LARGE AREA.**
- Birds, dogs, cats and other predatory and scavenging mammals might be poisoned if they feed upon animals that have eaten this bait.
- This product is harmful to fish with long lasting effects.
- Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high watermark. Runoff also may be hazardous to aquatic organisms in water adjacent to treated areas.
- For control of the House rat, the Brown rat and the House mouse in and around homes, industrial, commercial and public buildings, and similar manmade structures: **DO NOT APPLY FURTHER THAN 15 TO 20 METRES FROM BUILDINGS.**
- Do not place near or inside ventilation duct openings.

**DIRECTIONS FOR USE:** Use only as directed.

**IMPORTANT**

**Do not expose children, pets or other non-target animals to rodenticides.**

- **RATAGON LIQUID CONCENTRATE** is for use where rodents do not have easy access to water sources. Limit or remove water sources as far as possible.
- All outdoor applications must be in tamper resistant bait stations. These stations must be resistant to destruction by dogs and children under six (6) years of age and must be used in a manner that prevents such children from reaching into bait compartments and obtain bait. If the bait can be shaken from stations when they are lifted, units must be secured or otherwise immobilized. Even stronger bait stations are needed in areas open to hoofed livestock, or other potentially destructive animals, or in areas prone to vandalism.

- Bury dead rodents in an area where pets are unable to dig or alternatively, burn dead rodents with leftover bait. Do not place in refuse bins or on rubbish tips.

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**RECOMMENDATIONS AND DIRECTIONS FOR EFFECTIVE RODENT CONTROL:  
 FOR USE IN THE HOME, ON-FARM AND INDUSTRIAL PREMISES.**

**SELECTION OF TREATMENT AREAS**

Determine areas where Rats and/or Mice will most likely find and consume the bait. Generally, these areas are along walls, by gnawed openings, in or beside burrows, in corners and concealed places, between floors and walls, or in locations where rodents or their signs have been observed. Remove as much food as possible.

**APPLICATION DIRECTIONS**

Initial baiting for heavily infested areas:

Fill liquid bait dispensers with one (1) part **RATAGON LIQUID CONCENTRATE** to a hundred and sixty (160) parts water (5 ml to 800 ml water) and place bait dispensers in chosen treatment areas, out of reach of children and animals. Daily inspection of bait stations should take place for the first week and weekly inspections thereafter. Contaminated or spoiled liquid bait should be replaced. Death normally occurs in 4 to 12 days, collect and dispose of dead animals and (when baiting operations are to be ceased) unconsumed bait.

When a continuous source of infestation is present, establish or maintain bait stations and replenish as needed through routine baiting's in combination with a solid bait type.

Solid baits for variety:

Solid baits can be manufactured using a dry bait carrier such as crushed wheat, maize or maize meal. Mix eight (8) ml with twelve (12) ml clean water and add to 1 kg cereal bait carrier. For Rat control place 30 to 50 g of bait into each bait station, with bait stations placed five (5) meters apart. For Mouse control place 10 to 20 g of bait into each bait station, with bait stations placed two (2) meters apart. Weekly inspections of bait stations are required.

**Application of RATAGON LIQUID CONCENTRATE in agricultural situations (Close to planted crops) – control of Gerbils etc.:**

- Place the bait stations every 20 meters on the immediate perimeter of the crop field inside the first rows of plants when damaging populations have to be controlled. During the fallow period the bait stations should be placed on the verges of hedgerows.
- Check all bait stations every four (4) days and replenish if required.

**IMPORTANT NOTES - Use in agricultural situations:**

- For effective and environmentally responsible control of rodents in agricultural fields it is important to use other non-chemical methods together with chemical rodent control in a complete Rodent Management Programme. Refer to the document "*Environmentally compatible rodent management for agriculture*" compiled by the Griffon Poison information centre, which is available from **Croplife SA** (Tel. (087) 980 5163 or (082) 446 8946).
- Alternate **RATAGON LIQUID CONCENTRATE** with, or also use **Mirron Grain Bait**, for Resistance Management purposes.
- Do not use in agricultural situations where high levels of raptor activity (Owls, Falcons, Kites, etc.) are observed.
- Take down raptor perches when **RATAGON LIQUID CONCENTRATE** is used; however, if baiting operations are to be ceased, they can be re-erected four (4) days after the end of a rodenticide campaign.
- Collect and dispose dead rodents before the erection of raptor perches.

The following product mentioned in this label may be replaced with an equivalent product:

- **MIRRON GRAIN BAIT (L 9495) = RUMOUR GRAIN BAIT (L 9496) = (Coumatetralyl).**

**MIRRON GRAIN BAIT** is a registered product of / is 'n geregistreerde produk van  
**VILLA CROP PROTECTION (PTY) LTD.**

**RUMOUR GRAIN BAIT** is a registered product of / is 'n geregistreerde produk van  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**