

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



# Insecticide

# THIATOX FLY BAIT 100

Reg. No. L 9635 Act No. 36 of 1947  
N-AR 1593

3:04/07/2023 – Sept2023

A water dispersible granule insecticide for the control of pests as indicated.

## ACTIVE INGREDIENT

**GROUP** | **4A** | **INSECTICIDE**

thiamethoxam (neonicotinoid) 100 g/kg  
(z)-9-tricosene 0.5 g/kg



**WARNING**

### Hazard Statements:

Suspected of damaging fertility or the unborn child.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  
Avoid release into the environment.

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED  
Batch Number:  
Date of Manufacture:



UN Number: 3077

Registration holder: VILLA CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1992/002474/07  
PO Box 10413, Aston Manor, 1630  
Tel. (011) 396 2233  
Website: www.villacrop.co.za

**24 HR EMERGENCY NUMBERS:**  
Griffon Poison Centre: +27 82 446 8946  
24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

**THIATOX FLY BAIT 100**

Reg. No. L 9635 Act No. 36 of 1947

N-AR 1593

IRAC INSECTICIDE GROUP CODE: 4A

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Co. Reg. No.1992/0024744//07

PO Box 10413, Aston Manor, 1630, South Africa

Tel. (011) 396 2233.

**WARNINGS****Hazard statements:**

Suspected of damaging fertility or the unborn child.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- Avoid contact with eyes and skin
- Do not apply directly onto food.
- Store under lock and key in a cool, dry place away from food, feeds, fertilizers and drinking water.
- Keep out of reach of children, uninformed persons and animals.
- Do not apply to surfaces where food is prepared or handled.

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions. The action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label, the occurrence of resistance of the pest against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.**

**PRECAUTIONS****Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
Avoid release into the environment.
If exposed or concerned, get medical advice.
Collect spillage.
Store locked up.
Dispose of content/container in accordance with local regulations.

- Avoid breathing dust.
- Avoid eye and skin contact.
- Wash with water in the event of accidental eye contact.
- Wash with soap and water after use or in the event of accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst handling this product, using the toilet or before washing hands and face and change of clothing.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Thoroughly clean application equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- In case of poisoning call a doctor and make this label available to him/her.

- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Empty containers by inverting the empty container over the spray or mixing tank. Thereafter, rinse the container three times with a volume of water equal to a quarter of that of the container. 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. Shake all the pesticide formulation out of the bag into the spray or mixing tank. Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose off via normal refuse disposal. Do not bury, burn or donate the bag to any other parties that may use it as a container for foodstuffs.

<b>Relevant hazardous components</b>	
Thiamethoxam	10%
(Z)-9-Tricosene	< 0.1%

### **ENVIRONMENTAL HAZARDS**

- This product is toxic to wildlife, highly toxic to aquatic invertebrates and extremely toxic to fish. Use of the pesticide adjacent to water may affect aquatic organisms. To protect these organisms, do not apply this pesticide within 10 meter from dams, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.
- Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high-water mark.
- To protect the environment, do not allow the pesticide to enter or run off into storm drains, drainage ditches, or surface water.
- Apply this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash the pesticide off the treated area.
- Do not contaminate water when cleaning equipment or disposing of equipment wash water.
- Drift and runoff from treated areas may be hazardous to aquatic organisms in neighbouring areas.
- Apply this product only as specified on this label.
- When making applications, care should be taken to avoid household pets, particularly fish and reptile pests to the contaminated.
- This product is highly toxic to bees exposed to direct treatment or residues on blooming plants.

### **SYMPTOMS OF HUMAN POISONING**

No cases of poisoning have been described in the general population and none from occupational exposure. However, symptoms that may arise if the product is mishandled and overexposure occurs are: nausea, vomiting, diarrhoea, abdominal pain, ataxia, unsteady gait, hyperexcitability, salivation, tremors and incontinence. Larger doses may cause convulsions and loss of consciousness.

### **FIRST AID TREATMENT**

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. If exposed or concerned, get medical advice.

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** Remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with cold water and non-abrasive soap. Do not rub the skin. Apply olive oil to the affected areas for prompt relief. Get medical attention if irritation occurs and persists.
- **Eyes:** Flush eyes immediately with large amounts of gently flowing cold water, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15 to 20 minutes). Seek attention if irritation persist.
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

### **NOTE TO PHYSICIAN**

There is no specific antidote available. This product contains materials that may cause severe pneumonia if aspirated. In cases of ingestion, consider gastric lavage however prevent aspiration. Observe patient for respiratory difficulty from aspiration pneumonia. Treat symptomatically and supportively.

**RESISTANCE WARNING**

**THIATOX FLY BAIT 100** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **THIATOX FLY BAIT 100** and other group code 4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **THIATOX FLY BAIT 100** or any other group code 4A insecticides. To delay the possible development of insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide group codes,
- integrate other control methods (chemical, cultural, biological) into insect control programmes.

For specific information on resistance management contact the registration holder of this product.

**MODE OF ACTION**

Thiamethoxam is a systemic insecticide active by both contact and ingestion. Pro-pesticide – cleavage of the oxadiazine ring in vivo gives clothianidin (q.v.), the biologically active species. Binds to the acetylcholine site on nicotinoyl acetylcholine receptors (nAChRs), causing a range of symptoms from hyperexcitation to lethargy and paralysis.

**AREAS OF USE**

- **USE SITES**

Use **THIATOX FLY BAIT 100** as a perimeter, and/or spot treatment in and around structures such as buildings (e.g. houses, hospitals, etc.), food manufacturing, processing and serving establishments (e.g. abattoirs, restaurants, etc), farm crop & animal structures (e.g. greenhouses, poultry pens, stables) and modes of transport (e.g. aircraft, bussess, rail cars, etc) that flies might be attracted to or need to be prevented from infesting.

- Apply **THIATOX FLY BAIT 100** in areas / on surfaces where House flies congregate such as windowsills and near animal pens, provided the bait is kept out of reach of animals.

**USE RESTRICTIONS**

- Do not use on walkways used by animals.
- Apply **only** in locations not accessible to children, pets, domestic animals or wildlife. Protect from direct sunlight, water and rainfall.
- Do not apply this product in any room used as a living, eating, sleeping or recovery area by patients, the elderly, or infirm when they are in the room.
- Do not apply to classrooms, nurseries, or daycare facilities when in use.
- Do not apply to institutions, including libraries, sport facilities, etc., when occupants are present in the immediate treatment area.
- Do not apply this product to edible growing crops or stored raw agricultural commodities used for food or feed.
- Do not apply bait where animals can lick the product. Do not apply directly to livestock or livestock feed as illegal residues may result.

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

- **THIATOX FLY BAIT 100** is a Fly bait formula containing a House fly sex attractant which encourages both male and female House flies to remain in the treated areas, thereby feeding on the bait.
- **THIATOX FLY BAIT 100** can be applied:
  - Diluted in water (as a spot spray or paint-on) and applied onto surfaces on which Flies are particularly likely to settle (e.g. include windowsills, door frames, warm wall areas and areas near animal pens).
  - As is (thus not diluted) in hanging or stationary bait jugs, boxes or other suitable containers.

**NOTE**

It is recommended to use **THIATOX FLY BAIT 100** as part of an integrated Fly control programme. It is advisable to also use other products with a different mode of action (thus not IRAC Code 4A), such as **Cyro 20 WDG** and **CYRO 500 WDG** (L 9595) for control of Fly larvae in manure as part of a control programme. Most flies do not die on the painted area but die within a short distance from where they ingested the product.

**Application:**

- Apply **THIATOX FLY BAIT 100** as a diluted solution onto surfaces on which Flies are particularly likely to settle. Such areas may include windowsills, door frames, warm wall areas and areas near animal pens, provided the applied product is kept out of reach of animals.
- Apply **THIATOX FLY BAIT 100** suspension immediately after preparation. Do not treat dirty, highly porous or newly whitewashed walls to prevent loss of long-term efficacy.
- **THIATOX FLY BAIT 100** can also be applied in bait stations inside buildings/structures where Flies may be a problem or nuisance, provided the bait stations not accessible to children, pets, domestic animals or wildlife.

**Surface Staining:**

- **THIATOX FLY BAIT 100** has not stained or caused damage to painted or varnished surfaces, plastics, tiles, or other surfaces when water applied alone causes no damage. However, treat a small area and allow to dry to determine whether staining will occur. To avoid contamination from previous treatments, thoroughly wash out sprayers, hoses and screens with water and detergent before using **THIATOX FLY BAIT 100**. Contamination with other insecticides or pesticides may affect the attractiveness of **THIATOX FLY BAIT 100** adversely.

**APPLICATION RATES**

<i>Situation</i>	<i>Pest</i>	<i>Dosage rate</i>
<b><u>Paint on application of diluted formulation:</u></b>		
<p><b><u>Outside:</u></b> Abattoirs, animal housing, domestic dwellings, garbage containers, food processing plants and other industrial and commercial areas</p> <p><b><u>Around:</u></b> Industrial sites, feedlot manure heaps, garbage dumps, poultry farms and animal housing (<b>ONLY</b> in areas inaccessible to livestock, domestic animals and children)</p> <p><b><u>Inside:</u></b> Commercial and industrial facilities and animal houses (<b>ONLY</b> in areas inaccessible to livestock, domestic animals and children)</p>	House flies	<p>This product comes in 2 pack sizes – 125 g and 625 g sachets.</p> <p>Thoroughly mix one 125 g sachet in 100 ml of lukewarm water to treat 50 m<sup>2</sup> area <b>OR</b> mix one 625 g sachet in 500 ml lukewarm water to treat 250 m<sup>2</sup> of ground area.</p> <p>Apply with a clean paint brush or similar brush to areas where House flies tend to sit (see above).</p> <p>Paint in strips of 25 cm long by 5 cm wide. Approximately 2.5 % of the building or structures total surface area (walls and ceilings) should be covered in this way.</p> <p>Alternatively paint strips of cardboard or plastic, or light plastic tiles – these should be suspended from rafters etc. out of the way of any animals.</p>

Situation	Pest	Dosage rate
<b><u>Application of undiluted formulation granules in bait stations:</u></b>		
<p><b><u>Outside:</u></b> Abattoirs, animal housing, domestic dwellings, garbage containers, food processing plants and other industrial and commercial areas</p> <p><b><u>Around:</u></b> Industrial sites, feedlot manure heaps, garbage dumps, poultry farms and animal housing (<b>ONLY</b> in areas inaccessible to livestock, domestic animals and children)</p> <p><b><u>Inside:</u></b> Commercial and industrial facilities and animal houses (<b>ONLY</b> in areas inaccessible to livestock, domestic animals and children)</p>	House flies	<p>Apply in hanging or stationary bait jugs or boxes in locations not accessible to children, pets, domestic animals or wildlife. Ideally bait jugs should be suspended from rafters or other ceiling structures.</p> <p>Apply approximately 10 g per bait station. The bait can also be moistened slightly in the bait jug or station.</p> <p>Apply 10 to 20 bait stations per 100 m<sup>2</sup>.</p> <p>Monitor bait stations regularly and replenish bait as needed. Bait stations used in this way can also be used to monitor adult House fly numbers over time.</p>

**NOTE**

Re-apply only when Fly populations start to increase again.

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

- **CYRO 20 WDG** (L 9596) = **CYROZINE 20 WDG** (L 9597).

**CYRO 20 WDG** and **CYRO 500 WDG** are registered products of  
**VILLA CROP PROTECTION (PTY) LTD.**

**CYROZINE 20 WDG** is a registered product of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**