

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



Insecticide

# ABALEX INSECT GEL

Reg. No. L 11322 Act No. 36 of 1947

2: 18/10/2022 – April2023

A **READY TO USE** insecticidal gel-type bait for the control of Cockroaches and Crickets in public hygiene practice.

**GROUP 67C INSECTICIDE**

## ACTIVE INGREDIENTS

abamectin B1 (avermectin)	0.05 g/kg
pyriproxyfen (juvenile hormone mimic)	0.50 g/kg



**WARNING**

### Hazard Statements:

May be harmful if swallowed or in contact with skin.  
Suspected of damaging 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 to the environment.

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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)

**UN Number: 3077**

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:

**ABALEX INSECT GEL**

Reg. No. L 11322 Act No. 36 of 1947

IRAC INSECTICIDE GROUP CODE: 6 + 7C

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

May be harmful if swallowed or in contact with skin.
Suspected of damaging the unborn child.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- Do not apply near water or to areas where surface water is present. Do not contaminate water when disposing of the gel tube.
- Store away in the original box in a cool dry place away from food and feeds.
- Keep out of reach of children, uninformed persons and animals.
- **In case of poisoning, take the patient immediately to a doctor and make this label available to him/her.**

**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, because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pests to the remedy concerned, as well as by the method, time and accuracy of the application. The registration holder furthermore, does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for the 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 event of uncertainty.**

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

Obtain, read and follow all safety instructions before use.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Get medical help.
IF ON SKIN: Get medical help.
IF exposed or concerned, get medical advice.
Collect spillage.
Store locked up.
Dispose of contents/container to suitable landfill in accordance with local regulations.

- In case of accidental skin or eye contact, wash with soap and water and rinse eyes thoroughly with clean water.
- Apply out of the reach of children, uninformed persons and animals.
- **Do not** eat, drink or smoke during application.
- **Do not** apply to humans, animals, clothing or bedding.
- Wash hands after application.
- Prevent contamination of food, feeds, food processing surfaces, food utensils and drinking water with the gel. In case of contamination of non-target surface with **ABALEX INSECT GEL** during application, remove the gel with a damp paper towel and discard in a refuse bin. Clean the area thoroughly.

- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain. Thereafter rinse the empty container three (3) 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.
- Do not apply gel to areas which have been recently sprayed with insecticides and avoid spraying insecticide over gel as it may cause the bait to become repellent.
- When empty, dispose of the cartridges safely. Empty cartridges may not be discarded in normal domestic trash, if this option is followed ensure that the cartridge is damaged in such a way that it cannot be re-filled or re-used.
- **Do not** attempt to open or re-fill the cartridge.
- **Do not** re-use the cartridge for any other purpose.

Relevant hazardous components	
Abamectin	0.5 %
Pyriproxyfen	0.05 %
Sodium benzoate	<1 %

### **FIRST AID TREATMENT**

- **General advice:** 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. Get medical help if you feel unwell.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention.**
- **Eyes:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention.
- **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.
- **Advice to physician:** Treat symptomatically and supportively. No specific antidote known.

### **RESISTANCE WARNING**

**ABALEX INSECT GEL** contains active ingredients belonging to IRAC group codes 6 and 7C. Any insect population may contain individuals naturally resistant to **ABALEX INSECT GEL** and other group codes 6 and 7C insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **ABALEX INSECT GEL** or any other insecticide with IRAC group codes 6 or 7C.

To delay insecticide resistance:

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

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

### **MODE OF ACTION**

**Abamectin** has both contact and ingestion activity and exhibits translaminar mobility. It allosterically activates glutamate-gated chloride channels (GluCl<sub>s</sub>) resulting in increased chloride ion flow and causing paralysis. **Pyriproxyfen** is an insect growth regulator active by both contact and ingestion. Suppresses embryogenesis, inhibits metamorphosis and reproduction. It interferes with normal juvenile hormone levels resulting in effects on insect development and maturation.

### **DIRECTIONS FOR USE: Only use as directed.**

#### **Product information:**

- Application rate is dependent on the level of infestation and species to be controlled. It is effective against the nymphs and adults of the American cockroach, *Periplaneta americana*, and the German cockroach, *Blattella germanica*.
- **ABALEX INSECT GEL** is also very attractive to House crickets.
- Avoid placing gel on fabrics or carpets since it may stain some absorbent materials. Test fabrics for staining by placing a small droplet in an inconspicuous area.

- To prevent staining, exposed bait should be cleaned up immediately with a damp cloth or sponge.

#### General information:

Use **ABALEX INSECT GEL** as a spot or crack and crevice treatment for the control of German and American cockroaches in:

- Residential, including kitchens, places where food is prepared, processed, and stored such as restaurants and food manufacturers, warehouses and shops, public buildings e.g., schools, hospitals, hotels, prisons, churches, theatres etc.
- Industrial premises e.g., factories, warehouses, shops, workshops, aircraft, vehicles, railways, and ships.
- Non-food areas such as garbage rooms, lavatories, floor drains (the sewers), entries, and vestibules, offices, locker rooms, machine rooms, boiler rooms etc.

#### USE RESTRICTIONS

##### Applications in food/feed handling areas:

- Do not apply bait to areas where food utensils or food preparations surfaces may become contaminated.
- Do not apply bait in cracks and crevices of areas that are routinely washed, tops of tables, food/feed preparation and prepared food/feed holding surfaces as the bait may be removed by washing.
- Care should be taken to avoid depositing gel onto exposed surfaces. If the gel gets into contact with an exposed surface, remove it and wash the exposed surface.
- Food/feed areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing edible waste for storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas are also considered a food area when food is exposed, and facility is in operation.

##### Applications to control Crickets:

- Product is meant to be used indoors against the House cricket, *Acheta domesticus*. For this use pattern all applications are indoors.

#### General instructions:

##### 1. CONTROL OF COCKROACHES

- Survey the area to be treated to identify centres of Cockroach infestation; by means of inspection or trapping with sticky traps. Cockroaches typically prefer areas that are dark, warm, humid, and undisturbed (such as behind refrigerators and in electrical equipment). Also look out for empty egg cases, Cockroach faeces and cast skins.
- **ABALEX INSECT GEL** is very attractive to Cockroaches and feeding begins soon after placement of the gel. It is effective against the nymphs and adults of the American cockroach, *Periplaneta americana*, and the German cockroach, *Blattella germanica*.
- Cockroaches are coprophagous, which means they eat their own faeces and the faeces of other Cockroaches. They are also cannibalistic, which means they feed on each other. After consuming a lethal dose of bait, Cockroaches return to the harbourage where they excrete faeces containing the actives, **Abamectin** and **Pyriproxyfen**. As other Cockroaches consume the contaminated faeces, they too receive a lethal dose. When the Roaches die, other Roaches may consume their carcasses and die as well.
- **ABALEX INSECT GEL** also reduces the population by preventing reproduction and insect maturation.
- Best control is achieved when **ABALEX INSECT GEL** is placed within or close to areas where Cockroaches feed and breed. Clean the area to be treated before treatment and remove alternative food sources.
- Apply **ABALEX INSECT GEL** as small spots throughout the target area in dark out-of-sight locations in cracks, crevices, behind cupboards and shelves, under kitchen appliances, in electrical control boxes, voids and ducting and under bathroom fixtures etc. Also specifically look for warm, moist areas. Around and under dishwashers, refrigerators, ice machines, sinks tubs and toilets and around drain openings which are particularly attractive areas for cockroaches.
- However, for improved residual control, do not apply **ABALEX INSECT GEL** where it will become wet, submersed, or removed by regular cleaning.
- Other insecticides must not be applied on or around **ABALEX INSECT GEL** spots, or the spots placed on recently treated surfaces. The **ABALEX INSECT GEL** will be contaminated, and Cockroaches may be discouraged to feed on it.

## 2. CONTROL OF CRICKETS

- **ABALEX INSECT GEL** contains the active ingredients **Abamectin** and **Pyriproxyfen** in a formulation that is highly attractive to House crickets, adults, and nymphs.
- Indoors:
  - **ABALEX INSECT GEL** may be used to control *Acheta domesticus* in crawl spaces, basements, attics of residential, industrial, and commercial buildings and structures.
  - This type of application is not intended to provide complete control of an indoor Cricket infestation.

### APPLICATION INSTRUCTIONS

Situation / Pest	Dosage rate Remarks
<p><b>American cockroach</b> <i>Periplaneta Americana</i></p> <p><b>German cockroach</b> <i>Blattella germanica</i></p> <p><u>Buildings and structures - Domestic, Public and Commercial Buildings</u></p>	<p>Applications in food/feed handling areas: <b>IMPORTANT</b> <b>Application within food/feed handling areas is limited to crack and crevice treatment only.</b></p> <ul style="list-style-type: none"> <li>• Place the applicator tip into cracks and crevices and where Cockroaches may travel.</li> <li>• Apply bait in small amounts between different elements of construction, openings leading into voids and hollow spaces in floors, walls, ceilings, equipment legs and bases, around plumbing pipes, doors and windows, cabinets, sinks, stoves, and other places where Cockroaches may enter the establishment.</li> </ul> <p>During follow-up visits, inspect bait placements and re-apply when necessary.</p> <p><b>Refer to “Application Instructions” above. In cases of severe infestation and in areas that are dirty and cluttered or in places where alternative sources of food cannot be eliminated, use the higher rate.</b></p> <p><b>NORMAL RATES</b></p> <p><u>American cockroach</u></p> <ul style="list-style-type: none"> <li>• Place 1 spot of 0.25 g gel per m<sup>2</sup></li> </ul> <p><u>German cockroach</u></p> <ul style="list-style-type: none"> <li>• Place 1 spot of 0.25 g gel per m<sup>2</sup></li> </ul> <p>A spot of 0.25 g is about 3 to 5 mm in diameter.</p> <ul style="list-style-type: none"> <li>• Remove the cap on the nozzle and touch the tip to the surface to be treated and depress plunger slightly. Apply bait as spot in cracks and crevices. Recap the dispenser after treatment is completed and return cartridge to the outer pack.</li> <li>• Re-inspect treated areas after 1 to 2 weeks. If the initial infestation was severe, apply a second <b>ABALEX INSECT GEL</b> treatment after the first treatment has been entirely consumed and live Cockroaches are still observed.</li> <li>• Increase the number of spots and spot size depending upon severity of infestation and species present.</li> <li>• For a typical infestation 15 g of <b>ABALEX INSECT GEL</b> may be enough to eliminate the pest, however severe infestations may require multiple applications.</li> </ul>
<p><b><u>Acheta species</u></b> House crickets</p>	<p><u>Indoor use:</u></p> <ul style="list-style-type: none"> <li>• Apply gel in crawl spaces, basements and attics of residential, industrial and commercial buildings or structures.</li> <li>• <b>ABALEX INSECT GEL</b> will work best applied as a small spot of material approximately 3 to 5 mm in diameter. Multiple application spots distributed over an area are more effective than a singular application.</li> <li>• For severe infestation apply 3 to 5 spots of <b>ABALEX INSECT GEL</b> per 3 m and for moderate infestation 1 to 3 spots.</li> </ul> <p>Monitor the treated area and re-apply bait gel when necessary.</p>

### NOTE

**THE APPLICATION OF SMALLER, MORE FREQUENT GEL SPOTS ARE BETTER THAN OCCASIONAL LARGE SPOTS.**