



SUPER GUARD

Reg. No. / Nr. L7765 Act No. / Wet Nr. 36 of / van 1947

50 EC

GROUP 1B/3A INSECTICIDE

An emulsifiable concentrate for the control of pests in stored grain.

'n Emulgeerbare konsentraat vir die beheer van insekplae in opgebergde graan.

Active Ingredients / Aktiewe Bestanddele:

Pirimiphos-Methyl (Organophosphate) / Pirimifos-Metiel (Organofosfaat) ... 400 g/ℓ

Permethrin (Pyrethroid) / Permetrien (Piretroïed) 75 g/ℓ



Registered and Distributed by / Geregistree en Versprei deur:
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Reg. No. 1961/001744/07
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BATCH NO.:
LOT NR.:

DATE OF MANUFACTURE: See printed information on container
VERVAARDIGINGSDATUM:

EXPIRY DATE:
VERVALDATUM:

UN NO.: 1993
VN NR.:

Content
Inhoud



IMPORTANT / BELANGRIK:
Read label before use /
Lees etiket voor gebruik



**HARMFUL
SKADELIK**



WARNINGS:

- Use in human / animal dwellings, warehouses, and thatch roofs to be applied by registered pest control operators only.
- Handle concentrate with care.
- Poisonous when inhaled, swallowed, or absorbed through the skin.
- Toxic to birds, bees, fish, and wildlife.
- Flammable – do not store near open flame.
- Store away from food and feed in a cool well ventilated place.
- Keep out of the reach of children and animals.
- Treated seed is not suitable for human or animal consumption.
- In case of poisoning, immediately call a doctor and make this label available to him.
- Dwellings must be vacated before treating area.
- Remove pets, fish tanks and bowls.
- Dwellings must be properly ventilated before re-entering area (\pm 12 hours).

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 storage conditions; quality of water used for dilution, compatibility with other substances not mentioned on this label, the occurrence of pest resistant to the remedy, as well as the method, time and accuracy of the application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation and the environment, or harm to man or animal or for the lack of performance of the remedy due to the failure of the user to follow 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:

- Do not inhale spray mist of fumes.
- Use suitable clothing when applying (rubber gloves and face mask).
- Do not eat, drink, or smoke whilst mixing or applying and wash with soap and cold water after use or accidental skin contact and change clothing.
- Avoid spray drift onto crops, grazing, rivers, dams, or areas not under treatment.
- Clean applicator after use and dispose of water where it will not contaminate crops, grazing, rivers, and dams.
- Destroy empty container by perforating and flattening and never use for any other purpose.
- Prevent contamination of food, feedstuffs, drinking water, and eating utensils.
- Mark bags in which treated seed are stored clearly "POISONOUS".
- Do not use in the presence of persons with known sensitivity to pyrethroids. In case of signs of sensitivity obtain medical advice.
- Wash thoroughly after application.
- Remove and wash clothing after use.

SYMPTOMS OF HUMAN POISONING:

- **Effects of over exposure:** The toxin is an organophosphorus cholinesterase inhibitor and may cause headache, fatigue, faintness, giddiness, shortness of breath, dizziness, excessive sweating, nausea, abdominal pains, vomiting, diarrhoea, tightness of the chest, anxiety, blurred vision, muscle twitching beginning in the eyelids and tongue, small pupils, respiratory distress.
- **Inhalation:** Avoid inhalation of spray mist.
- **Skin:** Avoid repeated or prolonged contact. The toxin is an organophosphorus cholinesterase inhibitor, readily absorbed through intact skin. Contact may cause redness, irritation, and dermatitis.
- **Eyes:** Irritating, may cause redness, pain, blurred vision, conjunctivitis.
- **Ingestion:** The toxin is an organophosphorus cholinesterase inhibitor; may cause symptoms as listed under "Effects of overexposure".

FIRST AID TREATMENT:

- **Inhalation:** Remove patient from source of poisoning to well ventilated area and keep him quiet and reassured. If necessary, administer artificial respiration and oxygen or closed chest cardiac massage.
- **Skin:** Immediately remove contaminated clothing, wear rubber gloves to avoid contact with contaminated clothing, rinse the affected skin area with plenty of soap and cool water or shower.
- **Eyes:** Immediately wash eyes with copious amounts of clean water for at least 15 minutes, cover with a sterile pad.
- **Ingestion:** Keep patient calm and reassured, put in recovery position, rinse mouth with water. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth to mouth respiration, rather use a disposable protective mouthpiece. Persons attending the victim should avoid direct contact with the vomit, wear rubber gloves and protective clothing.
- **SEEK MEDICAL ASSISTANCE.**

NOTE TO PHYSICIAN:

Administer Atropine sulphate, intravenously (1 to 4 mg) every 5 to 10 minutes until signs of atropinisation, (dry flushed skin and tachycardia) occur; 2-PAM 50 mg/kg up to total dose of 1 to 2 g or two thirds of this dose of Protopam. Repeat oximes if necessary. Do not administer morphine.

RESISTANCE WARNING:

For resistance management purposes **SUPER GUARD 50 EC** is classified as a Group Code 1B + 3A insecticide. Any insect population may contain individuals naturally resistant to **SUPER GUARD 50 EC** and other Group Code 1B + 3A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **SUPER GUARD 50 EC** or any other Group Code 1B + 3A insecticide.

To delay 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 AVIMA (Pty) Ltd.

DIRECTIONS FOR USE: Use only as indicated.

Stored wheat, maize, and beans.

Application to grain stored in bulk

For the control of Confused Flour Beetle, Saw Toothed Grain Beetle, Rust Red Flour Beetle, Rice Weevil, Maize Weevil, Flat Grain Beetle, Lesser Grain Borer, Indian Meal Moth, Tropical Warehouse Moth, Angoumois Grain Moth and Mediterranean Meal Moth in wheat, maize and beans.

1. Dilute 3 litres **SUPER GUARD 50 EC** with 100 litres water. Water pH must be between 5 and 7.
2. The application rate of the diluted pesticide may be determined by using the following calculation:
$$[\text{Grain Flow (kg per hour)} \times 85] / 55\,000 = \text{m}\ell \text{ per 10 seconds to give a nominal residue of 8,6 mg/kg Pirimiphos Methyl and 1,6 mg/kg Permethrin.}$$
3. Apply the diluted pesticide uniformly to the grain stream as the grain is loaded into storage.

N.B. BULK GRAIN MAY ONLY BE TREATED ONCE WITH SUPER GUARD 50 EC.

APPLICATION TO BAGGED WHEAT, MAIZE, AND BEANS

For the control of insects, as listed above including Larger Grain Borer, in bagged grain, and pelletised and farinaceous products of grain.

1. **Motorised Applicators:** Dilute 400 mℓ Super Guard 50 EC with 20 litres water and apply this to 100 m² surface area.
2. **Knapsack Applicators:** Dilute 400 mℓ Super Guard 50 EC with 10 litres water and apply this to 100 m² surface area.

RESIDUAL SURFACE APPLICATION

For the control of the insects as listed above in warehouses, mills, silo bins, elevators, shipholds, rail trucks, lorries, etc. Dilute 400 mℓ **SUPER GUARD 50 EC** with 20 litres water and apply this to 100 m². Spray before loading or filling.

APPLICATION TO WHEAT AND MAIZE SEED DESTINED FOR PLANTING

For the control of the insects as listed above and for the control of Larger Grain Borer, in wheat and maize seed. Dilute 4 mℓ **SUPER GUARD 50 EC** with 1 liter suitable fungicide solution and apply this to 100 kg seed grain.

APPLICATION AS A RESIDUAL SPRAY FOR THE CONTROL OF FLIES, COCKROACHES, SPIDERS, MITES, ANTS, AND MOTHS, IN DWELLINGS, WAREHOUSES, AND THATCH ROOFS

Use in human/ animal dwellings, warehouses, and thatch roofs only to be applied by registered pest control operators (refer to warnings above).

Dilute 300 mℓ **SUPER GUARD 50 EC** with 10 litres water and apply to 330 m². Use suitable application equipment such as a ST Max Lo-Boy Fogger Blower applicator when applying product to thatch roofs.