



Deltanex-Grain

Reg. No. / Nr. L10726 Act No. / Wet Nr. 36 of / van 1947

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

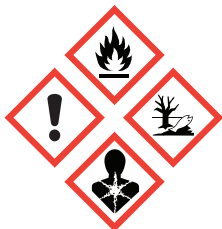
IRAC GROUP

3A/27A

INSECTICIDE

'n Emulsifiseerbare konsentraat kontak en residuele insekdoder vir die behandeling van gebergde graan asook gebergde graan-insekte.

An emulsifiable concentrate contact and residual insecticide for the treatment of stored grain and stored grain insects.



DANGER

Hazard Statements:

Flammable liquid and vapour.
Harmful if swallowed.
May be fatal if swallowed and enters airways (aspiration hazard).
Causes serious eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Avoid breathing fumes, mist, vapours or spray.
Avoid release into the environment.

Active Ingredients / Aktiewe Bestanddele:

Deltamethrin (Pyrethroid) ... 25 g/ℓ ... Deltametrien (Piretroïed)
Piperonyl Butoxide (synergist) ... 250 g/ℓ ... Piperoniël Butoksied (sinergis)



REGISTRATION HOLDER / REGISTRASIEHOUER
AVIMA (Pty.) Ltd.

Reg. No. 1961/001744/07
18 Aschenberg Street | Chamdor | Krugersdorp
+27 11 769 1300

In case of poisoning, call:

Tygerberg Poison Information Centre: +27 861 555 777 (24 hours)

Griffon Poison Information Centre: +27 82 446 8946 (24 hours)

Batch No. / Lot Nr and Date of Manufacture /

Datum van Vervaardiging:

See printed information on container.

UN No. / VN Nr. 3351

**Content
Inhoud**



WARNINGS:

Hazard Statements:

Flammable liquid and vapour.
Harmful if swallowed.
May be fatal if swallowed and enters airways (aspiration hazard).
Causes serious eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- Harmful by contact, swallowing and inhalation.
- May cause irritation of the skin, eye and respiratory tract.
- Keep out of reach of children, animals and uninformed persons.

PRECAUTIONS:

Precautionary Statements:

General:

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Obtain, read, and follow all safety instructions before use.

Prevention:

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment.
Use explosion-proof electrical, ventilating and lighting equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing fumes, mist, vapours, or spray.
Do not eat, drink, or smoke when using this product.
Use only outdoors or with adequate ventilation.
Avoid release to the environment.
Wear protective clothing, gloves, eye, and face protection.
Wash hands and face thoroughly after handling.
Do not touch eyes.

Response:

Get medical help if you feel unwell.

Rinse mouth.

Do not induce vomiting.

Collect spillage.

IF SWALLOWED: Get emergency medical help immediately.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If irritation persists: Get medical help.

In case of fire: Use the equipment specified in Section 5 of product SDS.

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse affected areas with water.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

Store locked up.

Store in a well-ventilated place.

Keep container tightly closed.

Disposal:

Dispose of contents/container to a licensed waste facility and in accordance with local and national regulatory requirements.

- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face.
- Avoid skin contact and wash immediately after accidental skin contact.
- Do not use the product in the presence of persons with known sensitivity to pyrethroids.
- Wash contaminated clothing daily.
- **TRIPLE RINSE:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds af-ter the flow has slowed down to dripping. Thereafter rinse the empty container three (3) times in succes- sion with one quarter 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). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Destroy the empty container in the prescribed manner. Do not use the container for any other purpose.
- Store away from food and feedstuffs in a cool place.
- Change and wash yourself with soap and cold water after use.

RELEVANT SUBSTANCES:

Ingredient	CAS Number	Concentration (%)
Light aromatic petroleum solvent	64742-95-6	> 60%
PBO	51-03-6	30 to 40%
Deltamethrin	52918-63-5	< 5%
Benzenesulfonic acid C10-13-alkyl deriys, calcium salts	1335202-81-7	< 5%
Butanol-n	71-36-3	< 1%

DIRECTIONS FOR USE - Use only as directed.

SURFACE TREATMENTS:

Dilute 100 to 120 mℓ **DELTANEX-GRAIN** in 10 litres water and apply the mixture to 200 m² by using any suitable hand, mechanical or electrically operated sprayer capable to produce a coarse droplet spray.

Special attention should be given to cracks, crevices, and other insect harbourages.

Use on non-porous surfaces in barns, warehouses and stores where grain is stored.

FOGGING & STORAGE FACILITIES:

Close all windows and doors before applying the product. Use a suitable thermal fogging machine when using the product for thermal fogging. Apply the product preferably in the late afternoon (dusk) or in the early morn-ings (dawn).

DELTANEX-GRAIN must be diluted with paraffin or diesel. The dilution rate is 1 litre **DELTANEX-GRAIN** in 1 li-tre paraffin or diesel. The mixture is applied at 1 litre solution per 4000 to 5000 m³, **DELTANEX-GRAIN** will also prevent tropical grain moth eggs from hatching and control lesser grain borer when used as a fogging solution. Treated facilities should be closed overnight.

TREATMENT OF BAG STACKS:

Treatment of bag stacks with **DELTANEX-GRAIN** will prevent contamination of the grain by invading insects. If the bagged grain is already contaminated, it should be fumigated before commencing with the treatment with **DELTANEX-GRAIN**. **DELTANEX-GRAIN** is diluted with water and sprayed onto bag stack surfaces using a suitable compression or motorized knapsack sprayer adjusted to deliver a coarse droplet spray.

Dilute 60 to 100 mℓ **DELTANEX-GRAIN** in 10 litres water and apply to 100 m² of bag stack surfaces. REPEAT EV-ERY THREE MONTHS.

DIRECT TREATMENT OF MAIZE, WHEAT, RYE, OATS AND SUNFLOWER IN BULK STORAGE:

1. Dilute 1 part of **DELTANEX-GRAIN** to 16,5 parts of water (600 ml to 10 litres) to give a mixture containing 0, 15% m/v deltamethrin.
2. Calibrate the spray equipment according to the following calculation to give a normal deposit of 0,75 ppm deltamethrin on maize and small grain and 1,5 ppm on sunflower.

$$\frac{\text{Grain flow in tons/h} \times 76}{55} = \text{..... ml} / 10 \text{ sec}$$

RECOMMENDATION:

Reduce the spray pressure to 1,5 bar and increase nozzle size to (at least) TX 12 to ensure that the spray reaches the grain, without loss to the atmosphere. With the correct equipment setting, a more effective application can be achieved with minimal exposure to the spray mist.

SEED TREATMENT:

Dilute 5 ml **DELTANEX-GRAIN** with 1 litre suitable fungicide solution and apply this to 100 kg seed.

DELTANEX-GRAIN is suitable for tank mix application with registered fungicide mixtures for seed treatment.