

Read the label before opening the container.

For full particulars, see enclosed leaflet.

# Terbufos 150

South Africa Reg. No: L8119 Act No. 36 of 1947

A contact and systemic granular insecticide for the control of pests as indicated.

IRAC INSECTICIDE GROUP CODE: 1B

**ACTIVE INGREDIENT:**

Terbufos (organophosphate) .....150 g/kg

Product Information Tel No: 072 678 8226  
In case of poisoning: 082 446 8946

[www.envirobiochem.co.za](http://www.envirobiochem.co.za)

Expiry Date:  
Batch No:  
Date of Manufacture:

**enviro**  
bio-chem

**Registration holder:**  
Erintrade CC t/a RT Chemicals  
Reg. No: CK 2001/036403/23  
44 Kerk Street, Lichtenburg  
North West, South Africa 2740  
Tel: +27 87 231 7261



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TOXIC



## **WARNINGS:**

**Withholding Periods** - This is the minimum period between application at planting and harvest and/or feeding:

Potatoes	90 days
Dry Beans	60 days
Green Maize	60 days
Sorghum (grain)	80 days

- Do not allow livestock to graze treated crops at any time.
- Handle with extreme care.
- Poisonous by skin or eye contact, swallowing and inhalation.
- Rapidly adsorbed through skin.
- Toxic to fish, wildlife and birds.
- Store under lock and key in the original container in a cool place.
- Store away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- Do not use TERBUFOS 150 as a seed dressing.
- Use rubber gloves and boots when handling soil and/or irrigating within 30 days after treatment.
- **Re-entry Period:** Do not enter the treated field within 2 days after application unless wearing protective clothing.
- In case of poisoning call a doctor immediately and show him/her this label.

**Although this insecticide 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 effected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against 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 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 any uncertainty.**

## **PRECAUTIONS:**

- Do not inhale dust and fumes.
- Wear protective clothing (overalls, face mask, rubber boots, gloves and respirator) when using this product.
- Wash contaminated clothing with soap and hot water immediately after use.
- Wear clean clothes daily when using this product.
- After use and in case of accidental skin contact, wash thoroughly with soap and water.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.
- Prevent contamination of other crops, grazing, rivers, dams or areas not under treatment.
- Wash equipment after use.
- Dispose of wash water where it will not contaminate crops, grazing, water bodies or rivers.
- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container.
- Dispose of the rinsings where it will not contaminate crops, grazing, water bodies or rivers.
- Destroy empty container by perforation and flattening and never use for any other purpose.

### **RESISTANCE WARNING:**

For resistance management, TERBUFOS 150 is a **group code 1B** insecticide. Any insect population may contain individuals naturally resistant to TERBUFOS 150 and other **group code 1B** insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly and consecutively. These resistant insects may not be controlled by TERBUFOS 150 or any other **group code 1B** insecticides. To delay insecticide resistance:

- Avoid exclusive repeated and consecutive 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 insect control programs.

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

### **SYMPTOMS OF POISONING:**

Headache, fatigue, faintness, giddiness, 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, convulsions, coma.

### **FIRST AID:**

**Caution:** Persons attending the patient should wear rubber gloves and avoid contact with heavily contaminated clothing and vomitus.

Remove patient from source of poisoning to a cool, well ventilated area and keep him/her still and reassured.

**In the case of skin contact:** Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub skin hard.

**If in eyes:** Flush contamination out of eyes with clean water for at least 15 minutes. Get medical attention immediately.

**If inhaled:** Remove patient from source of poisoning to a cool, well ventilated area and keep him/her still and reassured. If breathing is difficult give oxygen. Get medical attention immediately.

**If swallowed:** give patient 2 glasses of water to drink and induce vomiting by tickling the back part of the throat. Repeat until vomit fluid is clear and free from smell of poison. Keep the patient's airways clear to maintain respiration, particularly when the patient is unconscious or has vomited. Support the jaw and place the patient in a face down position with the head down and turned to one side, with the tongue drawn forward. Administer artificial respiration or closed chest cardiac massage if necessary. Do not apply direct mouth-to-mouth respiration. Never induce vomiting or give anything by mouth to an unconscious person. Take the patient to the nearest physician immediately.

### **NOTE PHYSICIAN:**

Administer atropine sulphate, intravenously (1 to 4mg) every 5 to 10 minutes until signs of atropinisation (dry flushed skin, tachycardia, dilation of the pupils and pulse rate of over 120 per minutes) occur. In any severe or progressive case of poisoning, administer pralidoxime (2-PAM, Protopam chloride) according to label recommendations. (An average dose is 1g for an adult and up to 50mg/kg for children). Repeat oximes if necessary. Do not give morphine and similar drugs. Avoid aminoglycosides and succinylcholine. Phenothiazines, reserpine and theophylline are contraindicated.

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

Do not apply by hand. Use an accurately calibrated granular applicator mounted on a tractor. Set downpipes on planters at a sufficiently steep angle to ensure an even flow and distribution of granules.

Do not use this product as a seed dressing.

**Row crops:** Apply TERBUFOS 150 only at planting. Ensure that all granules are covered with soil. Do not allow the crop seed to come into contact with the granules. The best results will be obtained when the granules are applied to moist soil.

CROP / PEST	DOSAGE RATE	REMARKS
Dry Beans Black Maize Beetle	33g/100m plant furrow	Apply only at planting as a preventive treatment. Apply the TERBUFOS 150 granules by means of a granular applicator, mounted on a planter directly in front of the planter press wheel to give a band of not more than 5cm wide.
Astylus Beetle Larvae Wireworm False Wireworm	66g/100m plant furrow	Do not allow granules to come into direct contact with seed.
Maize Black Maize Beetle	33g/100m plant furrow	Apply only at planting as a preventive treatment. Apply the TERBUFOS 150 granules by means of a granular applicator, mounted on a planter directly in front of the planter press wheel to give band of not more than 5cm wide.
Astylus Beetle Larvae False Wireworm Wireworm	66g/100m plant furrow	
Potatoes Black Maize Beetle	66g/100m plant furrow	Apply only at planting as a preventive treatment. The seed potatoes must be covered with a 5 to 7cm layer of soil before applying TERBUFOS 150 granules in the furrow. Apply the granules in a band of approximately 15cm wide.  Black maize beetle will only be controlled for a limited period. Control by means of a suitable insecticide may be necessary during the later growth stages of the potatoes.
Sorghum Black Maize Beetle	33g/100m plant furrow	Apply only at planting as a preventive treatment. Apply the TERBUFOS 150 granules by means of a granular applicator, mounted on a planter directly in front of the planter press wheel to give a band of not more than 5cm wide.