

Read the label before opening the container.

For full particulars, see enclosed leaflet.

tirado

South Africa Reg. No: L8007 Act No. 36 of 1947

A seed dressing containing a systemic insecticide for use on maize, wheat and barley.

IRAC INSECTICIDE GROUP CODE: 4A

ACTIVE INGREDIENT:

Imidacloprid (neonicotinoid)600 g/l

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

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



HARMFUL
SKADELIK



WARNINGS:

MINIMUM TIME BETWEEN THE LAST APPLICATION AND FEEDING:	
Maize	65 days
Wheat & Barley	100 days

- It is necessary to have sufficient soil moisture for the uptake of TIRADO during germination.
- TIRADO should only be used on clean high quality maize seed.
- Do not use TIRADO on sweet corn.
- Do not treat seed of inbred parent plants of hybrids, experimental hybrids or cultivars, or newly released hybrids or cultivars with TIRADO, without first referring to the manufacturer, registration holder or seed suppliers.
- Planters should be calibrated with treated seed prior to planting to ensure that the required plant population is obtained. Calibration should be checked at regular intervals thereafter to ensure required planting density is maintained.
- Maize seedling emergence may be adversely affected if the planting depth of the seed exceeds 5cm.
- Efficacy on maize may also be adversely affected by planting depth.
- Treat only seed that is to be used for planting purposes. Never use treated seed for consumption or animal feed.
- Handle with care.
- Poisonous when absorbed through the skin or swallowed or inhaled.
- Toxic to fish and wild life.
- TREATED SEED MAY BE POISONOUS TO SEED-EATING BIRDS. TREATED SEED MUST BE PLANTED PROPERLY AND TOTALLY COVERED WITH SOIL. NO SEED SHOULD BE LEFT IN PLACES WHERE IT CAN BE EATEN BY BIRDS.
- Store in the original container a cool place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.

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 affected by factors such as abnormal soil, climatic and storage conditions; compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the insecticide 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 insecticide 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:

- Wash with soap and water immediately after use or accidental skin contact. Wash contaminated clothing daily.
- Do not eat, drink or smoke whilst mixing or applying before washing hands and face.
- Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the mixing tank before disposing of the container in the prescribed manner. Destroy empty container by perforation and flattening and never use for any other purpose.
- Do not exceed the recommended volume of water required for treatment.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.
- Handle and store treated seed with care. Bags containing treated seed must be clearly marked "POISONOUS" and never used for any other purpose.

SYMPTOMS OF HUMAN POISONING:

Apathetic state, depression, muscular tone, respiratory disturbances and trembling and muscular cramps in severe cases of poisoning.

FIRST AID TREATMENT:

Remove the patient from source of poisoning to a well-ventilated area and keep him/her still and reassured. Remove contaminated clothing. Rinse the contaminated body area thoroughly with plenty of soap and cold water. Do not rub skin. Flush contamination out of eyes with clean water for at least 15 minutes. If swallowed, induce vomiting by tickling the back of the throat/uvula. Repeat until vomit fluid is clear and free from the smell of the insecticide. Administer artificial respiration or closed chest cardiac massage if necessary. Do not apply direct mouth to mouth respiration. Never give anything by mouth to an unconscious person.

TAKE THE PATIENT TO THE NEAREST PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIAN:

Treat symptomatically. Monitor blood pressure and pulse rate frequently (bradycardia and hypotonia are possible). Provide supportive measures for respiratory and cardiac action. Give artificial respiration if signs of paralysis appear. Additional measures involve the elimination of the substance from the body or acceleration of its excretion (gastro-lavage, saline laxatives).

RESISTANCE MANAGEMENT:

For resistance management, **TIRADO** is a **group code 4A** insecticide. Any insect population may contain individuals naturally resistant to **TIRADO** and other **group code 4A** 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 **TIRADO** or any other **group code 4A** 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. Do not apply **TIRADO** or any product that belongs to the same chemical group, more than once per year.
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

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

DIRECTIONS FOR USE: Use only as directed

COMPATIBILITY:

TIRADO is compatible with **captab**.

MIXING INSTRUCTIONS:

Mix the required volume of **TIRADO** thoroughly with the required volume of water before treating the seed.

Large quantities of seed are conveniently treated in automatic seed dressing machines. The machines should be checked at intervals to ensure that the correct quantity of **TIRADO** is used.

Maize seed may be treated with **TIRADO** immediately before planting, but can be treated earlier and stored under cool dry conditions for a season without germination and insecticide activity being affected. During storage the maize seed will be

protected from damage by the following insects: tropical warehouse moth (*Ephesia Cautella*), lesser grain borer (*Rhizopertha Dominica*), rice weevil (*Sitophilis Oryzae*) and confused flour beetle (*Tribolium Confusum*) for 12 months when maize seed is treated at a rate not lower than 290mℓ **TIRADO** per 100kg seed.

CROP	PEST	DOSAGE
MAIZE	<i>Astylus</i> larvae	116mℓ TIRADO per 1.88ℓ water per 100kg seed.
	Black maize (<i>Heteronychusarator</i>) Rootworms (<i>Buphonella Species</i>) False Wire Worms (<i>Tenebrionidae Species</i>) Ground Weevils (<i>Protostrophus Species</i>)	290mℓ TIRADO per 1.71ℓ water per 100kg seed.
	Leafhopper (<i>Cicadulina Mbila</i> , die vektor van mielie streepsiekte)	580mℓ TIRADO per 1.42 ℓ water per 100kg seed.
WHEAT & BARLEY	The Russian Wheat Aphid (<i>Diuraphis Noxla</i>)	230mℓ TIRADO per 1ℓ water per 100kg seed.
Depending on sufficient soil moisture levels to enhance the uptake of Imidacloprid , control of Russian aphid can be expected for a period of 8 - 10 weeks.		

NOTE: Notwithstanding the use of this product, some black maize beetle and ground weevil damage could still be expected. Under conditions of very high infestation pressure 20% or more of the maize crop may be damaged or destroyed, in spite of having been treated.