

TILT[®] 250 EC

Fungicide for the control of rusts, powdery mildews and leaf spots in coffee, wheat, barley.

Emulsifiable concentrate

Active ingredient content: Propiconazole 250 g/lit.

FLAMMABLE

**KEEP LOCKED OUT OF REACH OF CHILDREN
READ LABEL AND ATTACHED PACKAGING LEAFLET BEFORE USING**

Shelf Life: At least 2 years from date of manufacture in original unopened containers.

Hazard Classification: WHO Class III (slightly hazardous)

Antidote: No specific antidote. Apply symptomatic therapy.

Storage: Store in a cool place; away from sun and damp; out of reach of children, animals, food and feed.

"FOR USE AS FUNGICIDE ONLY"

Approved by TPRI, Arusha; Reg No FUI 0034

® = registered trademark of a Syngenta Group Company

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Colour band: BLUE

CAUTION

Mode of Action

Propiconazole is absorbed by the assimilating parts of the plant the majority within one hour. It is traslocated acropetally (upwards).in the xylem. This systemic translocation contributes to good distribution of the active ingredient within the plant tissue and prevents it from being washed off.

Propiconazole acts on the fungal pathogen inside the plant at the stage of first haustoria formation.

Spectrum of Activity

Tilt[®] is a broad spectrum fungicide offering good to high levels of control of foliar diseases caused by rusts and powdery mildews in cereals and coffee and black and yellow sigatoka in bananas.

Crop tolerance

When used as recommended, Tilt[®] is well tolerated by cereal crops. However, in coffee no more than 250 g a.i. / ha should be applied.

IPM – Fitness

Tilt[®] can be recommended at the first signs of diseases and used in conjunction with disease warning and forecasting methods such as Crop Protection Diagnostics for pre-symptomatic detection of Septoria tritici and Septoria nodorum in cereals.

In general Tilt[®] can be considered safe to the majority of beneficial arthropods. Tilt[®] is therefore a suitable product for use in IPM systems.

Timing of application:

Although the biological mode of action of propiconazole permits both protective and curative use, best results are achieved if the product is

Rate recommendations

Crop	Disease	Rate Lt/ha	Spray Interval (Days)	No of Sprays	Pre-Harvest interval(Days)
Coffee	Leaf rust (Hemileia vastratix)	1.0	28	2	30
Cereals (wheat and barley)	Erysiphe spp., Septoria spp. Puccinia spp., Rhynchosporium Cochliobolus spp	0.5	21-28	1-2	30

applied when the disease is active but still in the early stages of development. Begin spraying when first signs of the disease appear.

Directions for use.

To avoid risks to man and the environment, comply with the instructions for use.

Mixing

Make sure the sprayers are clean and not contaminated. Half fill the sprayer tank with water, and then add the recommended amount of Tilt. Top up the tank with the required amount of water. Agitate thoroughly before and during spraying.

Clean-up procedure.

Flush the sprayer with clean water after application or at the end of the day. Spray the rinsate at the dilution rate of at least 1:10 (spray mixture: rinsate) on the crop. Clean also the filters.

Compatibility

Based on specific studies and experience it can be concluded that Tilt[®] has excellent properties for tank mixing with other fungicides, herbicides, insecticides, plant growth regulators and nitrogen fertilizer. Although no specific miscibility problems are known, it is generally recommended that this point be checked with the available partner formulation on a small scale.

Safety Aspects

Precautionary measures

KEEP LOCKED UP OUT OF REACH OF CHILDREN and other unauthorized persons, and animals.

Operator safety

Avoid getting product in contact with skin, eyes or clothing. **DO NOT** inhale vapour or spray mist. **DO NOT** eat, drink or smoke during work. Wash hands and face before eating, drinking or smoking. If indisposition occurs stop work immediately and apply first aid measures as below. Wear protective clothing, during preparation and application of the product. After work change clothing and thoroughly clean protective equipment and clothing before re-use.

First Aid

If poisoning is suspected or any indisposition occurs, stop work immediately, apply first aid measures and call a physician. Show label to the physician. In case of contact with the skin, remove all contaminated clothing; wash affected body parts immediately with plenty of water and soap. Rinse splashes from eyes with plenty of fresh and clean water for several minutes. If inhaled, move to clean air. If swallowed, repeatedly administer medicinal charcoal in plenty of water. Seek medical advice immediately if a large volume of concentrate was ingested.

Note: Never give anything by mouth to an unconscious patient and never induce vomiting.

Antidote: No specific antidote. Apply symptomatic therapy.

Environment and wildlife.

Toxic to fish. Very toxic to algae. Harmful to Daphnia. **DO NOT** contaminate water used for irrigation or domestic purposes. **DO NOT** dispose of product wastes in water areas such as ponds, ditches, lakes, or in drainage systems. Newly treated area must not be grazed and all livestock must be kept out.

Spillage and leakage

Remove heavily contaminated soil layer and bury in a safe place away from water supplies. Collect up spilt material thoroughly and bury in a safe place or put in a waste bin or in a plastic bag and dispose of on a landfill-site approved for pesticides. Rinse spill area with plenty of water. Note: Spilt product must not be re-used.

Product and Container disposal

Dispose of surplus product on a landfill-site approved for pesticides or bury in a safe place away from water sources. Dilute surplus application mixture; pour it broadcast on fallow land. Dispose of containers made of cardboard, paper or plastic by burning in a safe place. Stay away from the smoke and make sure that the smoke or fumes will not damage nearby crops, plants or animals. DO NOT re-use empty containers for any purpose.

Storage conditions

Store away from sun and damp; in a well ventilated area; apart from food and feed, under lock and key. DO NOT contaminate food, feed or water. AVOID storage above +35°C. DO NOT stack containers higher than 2 metres, in order to avoid product compaction or damage.

Shelf life

At least two years from date of manufacturing, stored in unopened original sealed containers in a cool dry place.

User's risk

The user bears the risk for damage resulting from factors beyond the control of the manufacturer.

Resistant strains of fungal diseases may develop or may exist against which fungicides may not be effective resulting in crop loss. Since the occurrence of such strains cannot be forecast, neither the manufacturer nor its distributor can accept responsibility for any loss or damage caused by failure of fungicides to control resistant strains.

All recommendations for use of the product are based on the current state of the manufacturer's knowledge. Since the manufacturer cannot control the application, use, storage or processing of the product, the manufacturer cannot accept responsibility thereof.

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