

# HARVEST TEBUCONAZOLE 250

Distributed by: Harvest Chemicals

Registration Holder/Registrasiehouer Harvest Crop Solutions (Pty)Ltd.

Reg.No. 2014/187205/07

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**HARVEST**  
CHEMICALS



**Emulsifiable concentrate: A liquid fungicide formulation for the control of crop diseases as indicated below.**

**Emulgeerbare konsentraat : 'n vloeistof s wamdoder vir die beheer van gewassiektes soos beskryf hieronder**

UN3082

Batch No	Reg. No. L10923, Act No 36 of 1947.	Reg Nr L10923, Wet Nr. 36 van 1947	Lot Nr
<input type="text"/>	<b>FRAC FUNGICIDE GROUP CODE</b>	<b>3</b>	<b>FRAC SWAMDODER GROEP KODE</b>
Date of manufacture	<b>Active Ingredient:</b> Tebuconazole (triazole)	<b>250g/ℓ</b>	<b>Aktiewe Bestandeel:</b> Tebuconasool (triasool)
<input type="text"/>	<b>Nett Volume</b>	<b>5 ℓ</b>	<b>Netto Volume</b>
			Vervaardigingsdatum
			<input type="text"/>



CAUTION  
VERSIGTIG



## WARNINGS:

**Withholding Period:** allow for the following number of days between last application and harvest or grazing:

Barley and Wheat – 77 days. Oats – 56 days.

Potatoes and Beans – 14 days. Soy Beans – 32 days.

- Handle with care.
- Store under lock and key in a cool place away from food and feedstuffs, seed and other agricultural chemicals.
- Harmful by swallowing, inhalation and skin contact.
- Skin and eye irritation can result.
- Prevent contamination of water bodies.
- Keep out of the reach of children, uninformed persons and animals.
- In case of poisoning, call a doctor and make this label available to him/her.
- **Re-entry Period:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **Aerial Application:** All inhabitants must be notified immediately of the area being sprayed and the necessary warnings must be issued. To prevent contamination do not allow spray to drift over water or adjacent area.

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, because the action and effect thereof may be affected 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 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 remedy concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions which could not be foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

### **PRECAUTIONS:**

- Do not inhale fumes or spray mist.
- Full protective clothing must be worn when handling the concentrate (gloves, rubber boots, a proper face mask, overalls and eye shield).
- Immediately wash contaminated clothes after use.
- Immediately after use or accidental skin contact, wash thoroughly with soap and water.
- Do not eat, drink or smoke while mixing or applying or before washing hands and face and change of clothing after use.
- Prevent contamination of food, feedstuff, eating utensils and drinking water
- Prevent drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- The empty container must be rinsed 3 times with a volume of water equal to a minimum of 10% of the container volume. The rinsing water should be added to the contents of the container before destroying the container.
- The empty container must not be used for any other purpose.

### **Resistance Warning**

**Harvest Tebuconazole 250** is a group code G3 fungicide. Any fungus population may contain individuals naturally resistant to **Harvest Tebuconazole 250** and other group code G3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. **Harvest Tebuconazole 250** or any other group code G3 fungicide may not control these resistant fungi.

To delay fungicide resistance: Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes. Integrate other control methods (chemical, cultural, biological) into disease control programmes.

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

### **DIRECTIONS FOR USE** – Use only as directed

**Compatibility:** **Harvest Tebuconazole 250** is not compatible with alkaline products. Compatibility with other products is influenced by the formulation of the products involved and the quality of the spray water. A physical compatibility test should always be carried out prior to application.

### **Mixing:**

- Half fill the spray tank with water.
- Pour required quantity of **Harvest Tebuconazole 250** into the spray tank and begin agitating.
- Fill the tank up with water.
- Continue agitating during the filling and spraying and do not allow the spray mixture of **Harvest Tebuconazole 250** to stand overnight.
- Thoroughly flush all spraying equipment at the end of spraying operation.

### **GROUND APPLICATION:**

**Harvest Tebuconazole 250** can be applied with a high pressure sprayer equipped with an effective agitator.

The sprayer should have hollow cone nozzles to deliver medium fine droplets and the sprayer must be correctly calibrated to ensure that the spray mixture is being applied uniformly over the targeted area.

### **AERIAL APPLICATION:**

Aerial application of **Harvest Tebuconazole 250** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30l per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 25 to 35 droplets per cm<sup>2</sup> must be recovered on the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 300 microns is recommended. Limit the production of fine droplets of less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
  - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
  - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.
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CROP/DISEASE	Harvest Tebuconazole 250 DOSAGE RATE	REMARKS
<b>BARLEY</b>		
<b>Eye spot</b> ( <i>Pseudocercospora herp- trichoides</i> )	Ground application: 750mℓ/ha applied in 300ℓ water. Aerial application: 900mℓ/ha applied in 30ℓ water.	Apply between the 7-leaf and flag leaf stages. A single application should be sufficient.
<b>Halo spot</b> ( <i>Selenophoma donacis</i> )	Ground application: 750mℓ/ha applied in 300ℓ water. Aerial application: 900mℓ/ha applied in 30ℓ water	Net blotch applications will also control Halo Spot.
<b>Leaf spot</b> ( <i>Rhynchosporium secalis</i> )	Ground application: 500mℓ/ha applied in 300ℓ water. Aerial application: 500mℓ/ha applied in 30ℓ water.	Apply when first symptoms are noticed or between the 7-leaf and flag leaf stages. A single application should be sufficient for control.
<b>Leaf rust</b> ( <i>Puccinia hordei</i> )	Ground application: 750mℓ/ha applied in 300ℓ water. Aerial application: 750mℓ/ha applied in 30ℓ water.	Spray as soon as first symptoms appear. Repeat the application after four weeks should the symptoms reappear.
<b>Net blotch</b> ( <i>Pyrenophora teres</i> ) ( <i>Helminthosporium</i> )	Ground application: 750mℓ/ha applied in 300ℓ water. Aerial application: 900mℓ/ha applied in 30ℓ water.	Apply when first symptoms are noticed especially from the flag leaf stage to ear emergence stage. Under condition of high infection pressure a second application 3-4 weeks should be applied.
<b>Powdery mildew</b> ( <i>Erysiphe graminis</i> )	Ground application: 750mℓ/ha applied in 300ℓ water. Aerial application: 750mℓ/ha applied in 30ℓ water.	Spray as soon as first symptoms appear. Repeat the application after four weeks should the symptoms reappear.
<b>OATS</b>		
<b>Crown rust</b> ( <i>Puccinia coronate</i> )	Ground application: 500mℓ/ha in 300ℓ water. Aerial application: 500mℓ/ha in at least 30ℓ water.	Start application at the first signs of infection.
<b>BEANS</b>		
<b>Rust</b> ( <i>Uromyces appendiculatus</i> )	Ground Application: 500mℓ in 500ℓ water /ha. Aerial Application: 600mℓ in 30ℓ water /ha.	Apply as a preventative treatment or when first signs of infection occur. Repeat at 10 to 12 day intervals as necessary. Apply as a full cover spray in 500ℓ water or more /ha.
<b>SOY BEANS</b>		
<b>Rust</b> ( <i>Phakopsora pachyrhizi</i> )	Ground application: 750mℓ/ha. Aerial application: 1.0ℓ in 40ℓ water /ha.	Apply in 300 to 500ℓ water per ha as a full cover spray when the first symptoms of infection are noticed. Repeat at 14 to 21 day intervals as necessary. Under severe disease pressure the spray interval may be shorter.
<b>POTATOES</b>		
<b>Early blight</b> ( <i>Alternaria solani</i> )	Ground application: 75mℓ/100ℓ water. Aerial application: 500-750mℓ/ha.	<b>Ground application:</b> Apply in ± 500ℓ water/ha (do not apply less than 375mℓ Harvest Tebuconazole 250/ha).  <b>Aerial application:</b> Apply in ± 40ℓ water/ha. Use the higher dosage after the flowering stage or when favourable conditions occur for the rapid development of early blight (hot and humid weather conditions).  In the case of both ground and aerial application, apply as a preventive programme. <b>Harvest Tebuconazole 250</b> should be applied in a tank mix- ture with a registered late blight fungicide when conditions are favourable for the development of late blight.  <b>Harvest Tebuconazole 250</b> should not be applied more than 5 times per season. Apply every 7-10 days or alternate every 7-10 days in a programme with a treatment (non-DMI fungicide) registered against early and/or late blight depending on conditions.