

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

TEBUDEW

South Africa Reg. No: 7871 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: 3

A systemic fungicide emulsifiable concentrate for the control of the diseases mentioned on the crops listed

ACTIVE INGREDIENT:

Tebuconazole (triazole).....250g/l

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- Flammable liquid and vapour.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes serious eye damage.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- May cause damage to organs through prolonged or repeated exposure.
- May damage unborn child.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Wash hands, forearms, and face thoroughly after handling.
- Use only outdoors or in a well-ventilated area.



enviro
bio-chem

Registration holder: Erintrade CC t/a RT Chemicals

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Expiry Date:

Batch No:

Date of Manufacture:

UN No. 1992

WARNINGS:

Withholding period:

Allow the following number of days between the last application and harvest, or feeding or grazing:

Tomatoes and Peas	7 days	Oats	56 days
Potatoes	14 days	Barley and Wheat	77 days
Groundnut and Bean Hay	42 days	Citrus	25 weeks

NOTE: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements.

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- May cause damage to organs through prolonged or repeated exposure.
- May damage unborn child.
- Very toxic to aquatic life with long lasting effects.
- Keep out of reach of children, uninformed persons and animals.
- Store under lock and key away from food and feedstuffs.
- Toxic to fish. Prevent contamination of dams and rivers
- **Cereals:** When tank mixtures with grass herbicides are applied slight leaf mottling/scorch may occur but new growth will not be affected.
- **Re-entry:** Do not enter the treated field until the spray deposit has dried unless wearing protective clothing.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warning. Do not spray over or allow drift to contaminate water of adjacent areas.

Although this fungicide 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 fungicide 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 handle until all safety precautions have been read and understood.
- Wash hands, forearms, and face thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- Keep container tightly closed.
- Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- Avoid release to the environment.

- If exposed or concerned: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- Collect spillage.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the content of the spray tank. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

RELEVANT SUBSTANCES:

Tebuconazole 25.8%

Dimethylbenzene < 40%

Dimethyl formamide < 25%

Calcium dodecylbenzene sulfonate < 10%

FIRST AID TREATMENT:

General advice: If exposed or concerned, get medical advice.

INHALATION: Keep patient calm, remove to fresh air, and summon medical help.

INGESTION: Immediately call a POISON CENTER or doctor/physician.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

SKIN CONTACT: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation occurs: Get medical advice/attention.

RESISTANCE WARNING:

For resistance management TebuDew is a group code 3 fungicide. Any fungus population may contain individuals naturally resistant to TebuDew and other group code 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. TebuDew or any other group code 3 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:

TEBUDEW is not compatible with alkaline products.

Mixing instructions:

Pour the required quantity of **TEBUDEW** into the spray water while agitating. Do not allow the **TEBUDEW** spray mixture to stand any length of time before using.

Aerial Application:

Aerial application of **TEBUDEW** 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 30 to 40ℓ/ha 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:** 35 to 50 droplets/cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 280 to 300 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4m 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 15km/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.

CROP/DISEASE	DOSAGE RATE	REMARKS
BARLEY Leaf Spot (<i>Rhynchosporium Secalis</i>)	Ground Application: 500ml in 300ℓ water/ha Aerial Application: 500ml in 30ℓ water/ha	LEAF SPOT: Spray when first symptoms are noticed or in the period between the 7-leaf and flag leaf stages. A single spray should be sufficient for control.
Leaf Rust (<i>Puccinia Hordei</i>) & Powdery Mildew (<i>Erysiphe Graminis</i>)	Ground Application: 750ml in 300ℓ water/ha Aerial Application: 750ml in 30ℓ water/ha	LEAF RUST and POWDERY MILDEW: Spray as soon as first symptoms appear. Repeat the spray approximately 4 weeks later, should symptoms reappear.
Net Blotch (<i>Pyrenophora Teres</i>), (<i>Helminthosporium</i>), Halo Spot (<i>Selenophoma Donacis</i>) & Eye Spot (<i>Pseudocercospora</i> <i>Herpotrichoides</i>)	Ground Application: 750ml in 300ℓ water/ha Aerial Application: 900ml in 30ℓ water/ha	NET BLOTCH and HALO SPOT: Spray when the first symptoms are noticed, especially from the flag leaf stage to the ear emergence stage. Under high infection pressure a second spray is recommended at a 3 to 4 week interval. EYE SPOT: Spray between the 7-leaf and flag leaf growth stages. A single spray will normally give adequate control.
OATS Crown Rust (<i>Puccinia Coronata</i>)	Ground Application: 500ml in 300ℓ water/ha Aerial Application: 500ml in 30ℓ water/ha	Spray when the first symptoms of infection are noticed.

CROP/DISEASE	DOSAGE RATE	REMARKS
PEAS Powdery Mildew <i>(Erysiphe Pisi)</i>	Ground Application: 50mℓ/100ℓ Aerial Application: 300mℓ in 40ℓ water/ha	Spray at the first signs of disease and repeat in 10 to 14 day intervals depending on infection. To ensure thorough coverage on the leaves and to avoid excessive run-off a suitable wetter/sticker should be added. Do not apply more than 3 times per season. <u>Ground Application:</u> Spray 500ℓ spray mixture/ha.
WHEAT 1. TEBUDEW should be applied at the first signs of infection before 5% infection level is reached. 2. A second spray 21 days after the initial application is recommended for wheat with a high yield potential, particularly in cases where the initial application was made early (first node stage) or when other diseases develop later in the season.		
Eye Spot <i>(Pseudocercospora Herpotrichoides)</i> Powdery Mildew <i>(Erysiphe Graminis)</i>	Ground Application: 750mℓ in 300ℓ water/ha Aerial Application: 750mℓ in 30ℓ water/ha	<u>EYE SPOT:</u> Spray at the first to second node growth stage. <u>POWDERY MILDEW:</u> Spray when symptoms are noticed but not later than the flag leaf growth stage. Repeat the application if re-infection occurs.
Speckled Leaf Blotch <i>(Septoria Tritici)</i> & Yellow (Stripe) Rust <i>(Puccinia Striiformis)</i>	Ground Application: 625mℓ in 300ℓ water/ha Aerial Application: 750mℓ in 30ℓ water/ha	<u>SPECKLED LEAF BLOTCH:</u> Spray before the appearance of the flag leaf. <u>YELLOW (STRIPE) RUST:</u> Spray when symptoms are noticed. Repeat the application if re-infection occurs.
WHEAT Leaf Rust <i>(Puccinia Recondita)</i> & Glume Blotch <i>(Septoria Nodorum)</i>	Ground Application: 750mℓ in 300ℓ water/ha Aerial Application: 900mℓ in 30ℓ water/ha	<u>LEAF RUST:</u> Spray when symptoms are noticed but before the appearance of the flag leaf. Repeat the application if re-infection occurs. <u>GLUME BLOTCH:</u> Spray from the second node growth stage but not later than ear emergence stage.
Stem Rust <i>(Puccinia Graminis Tritici)</i>	Ground Application: 825mℓ in 300ℓ water/ha Aerial Application: 950mℓ in 30ℓ water/ha	<u>STEM RUST:</u> Spray at the first signs of infection but not later than the flag leaf stage. Repeat the application if re-infection occurs.
GROUNDNUTS Leafspots <i>(Cercospora Arachidicola & Cercosporidium Personatum)</i> & Leaf Blotch <i>(Phoma Arachidicola)</i> & Rust <i>(Puccinia Arachidis)</i>	Dryland: Ground Application: 400mℓ in 500ℓ water per 10 000m row length Aerial Application: 500mℓ in 40ℓ water/ha Irrigation: Ground Application: 600mℓ in 500ℓ water/ha Aerial Application: 750mℓ in 40ℓ water/ha	Apply as a preventive treatment or when first signs of infection are noticed. Repeat application every 10 to 14 days. Apply 4 to 5 sprays per season. A suitable wetter/sticker must be added to the spray mixture to ensure thorough wetting of the groundnut foliage.

CROP/DISEASE	DOSAGE RATE	REMARKS
TOMATOES Early Blight <i>(Alternaria Solani)</i>	Ground Application: 75mℓ / 100ℓ water	Spray between 5 and 12ℓ spray mix per 100 metres plant row, depending on plant height for a full cover spray deposit. Spray at the first signs of infection. Do not spray TEBUEW more than 5 times per season. When conditions are favourable for late blight, TEBUEW can be applied with a registered late blight fungicide. Apply every 7 to 10 days or alternate every 7 to 10 days in a programme with a treatment (non-DMI fungicide) registered against early and/or late blight, depending on conditions.
POTATOES Early Blight <i>(Alternaria Solani)</i>	Ground Application: 75mℓ/100ℓ water Aerial Application: 500 - 750mℓ/ha	<p>Ground Application: Apply in approximately 500ℓ water/ha (do not apply less than 375mℓ TEBUEW/ha).</p> <p>Aerial application: Apply in approximately 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).</p> <p>In the case of both ground and aerial application, apply as a preventive programme. TEBUEW should be applied in a tank mixture with a registered late blight fungicide when conditions are favourable for the development of late blight. TEBUEW should not be applied more than 5 times per season. Apply every 7 to 10 days or alternate every 7 to 10 days in a programme with a treatment (non-DMI fungicide) registered against early and/or late blight, depending on conditions.</p>
MANGOES Powdery Mildew <i>(Oidium Mangiferae)</i>	Ground Application: 20mℓ/100ℓ water	Spray at the first signs of infection (normally when 50% of flowers are open) and repeat at 10 to 14 day intervals up to complete petal drop. Repeat 2 to 3 times during the flowering period. The number of sprays is dependent on climatic conditions and uniformity of flowering. Apply as a full cover spray directed at the flowers.
CITRUS Navels, Clementines & Minneola Tangelos Navel-End Rot <i>(Alternaria Citri)</i>	Ground Application: 80mℓ/100ℓ water	Spray at 50% petal fall and repeat at 100% petal fall. Apply as a medium cover spray (approximately 20ℓ spray per tree, depending on tree size). Uneven flowering over an extended period will lead to variable to poor disease control.