POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TITAN
Propiconazole 250
EC Fungicide

ACTIVE CONSTITUENT: 250g/L PROPICONAZOLE
SOLVENT: 640g/L HYDROCARBON LIQUID

GROUP 3 FUNGICIDE

For the control of certain fungal diseases of bananas, peanuts, pineapples, stone fruit, oats, perennial ryegrass, sugarcane, wheat and other crops as specified in the Directions for Use.

IMPORTANT: READ THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT.

APVMA Approval No.: 63627/0610

Pack Sizes: 5L; 20L; 110L; 1000L

TITAN AG Pty Ltd
3/14 Narabang Way, Belrose NSW 2085
Telephone 02 9986 2943  Fax 02 9986 2945
www.titanag.com.au

TRANSPORT AND HANDLING

IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE

TRANSPORT AND HANDLING
NOT A DANGEROUS GOOD
ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE
FOR TRANSPORT BY ROAD AND RAIL.
**DIRECTIONS FOR USE**

**TREE AND VINE CROPS**

**RESTRAINTS:**
- DO NOT apply if crops or weeds are stressed due to excessively dry or moist conditions.
- DO NOT apply if rain is likely within 6 hours.

### Critical Comments

For all uses in this table: Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.

### Critical Comments

Curative Control: Apply when the disease first occurs. Further application should be made when the disease occurs on new growth. DO NOT make more than five applications to any individual tree during the season.

Protective Treatment: Spray mancozeb or zineb mixed with TITAN Propiconazole 250 EC Fungicide at the full recommended rates of application.

This use is subject to a DMI anti-resistance strategy.

<table>
<thead>
<tr>
<th>CROP</th>
<th>DISEASE CONTROLLED</th>
<th>STATE</th>
<th>RATE</th>
<th>WHP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Apricots</strong></td>
<td>Prune Rust (Tranzschelia discolor)</td>
<td>SA only</td>
<td>32mL/100L water</td>
<td>1 day</td>
</tr>
<tr>
<td><strong>Plums for Prune Production</strong></td>
<td>Prune Rust (Tranzschelia discolor)</td>
<td>NSW, VIC, SA, WA only</td>
<td>32mL/100L water</td>
<td>1 day</td>
</tr>
<tr>
<td><strong>Stone Fruit</strong></td>
<td>Brown Rot (Blossom Blight) — blossom phase (Monolinia fructicola)</td>
<td>VIC, TAS, WA only</td>
<td>25mL/100L water</td>
<td>1 day</td>
</tr>
<tr>
<td></td>
<td>Brown Rot — blossom phase (Monolinia fructicola)</td>
<td>QLD, NSW, TAS, SA, WA only</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Brown Rot — fruit phase (Monolinia fructicola)</td>
<td>QLD, NSW, VIC, TAS, SA, WA only</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>
## Non Tree and Vine Crops

<table>
<thead>
<tr>
<th>CROP</th>
<th>DISEASE CONTROLLED</th>
<th>STATE</th>
<th>RATE</th>
<th>WHP</th>
<th>CRITICAL COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bananas (including Bananas interplanted with Avocados)</td>
<td>Leaf Spot (Mycosphaerella muscola), Leaf Speckle (Mycosphaerella musae), Cordana Leaf Spot (Cordana johnstonii)</td>
<td>NTH QLD, WA, NT only</td>
<td><strong>Ground Application:</strong> 200-400mL + 3-5L of a water miscible oil, in a convenient volume of water.</td>
<td>–</td>
<td><strong>NTH QLD – Ground Aerial Application:</strong> Commence spraying at the start of the summer rainy season and apply a maximum of 5 sprays per season at 21 to 28 day intervals. For effective control the product must be applied for at least 2 consecutive sprays at 21 to 28 day intervals before further treatments of an alternative recommended protective fungicide are applied. Continue with treatments of an alternative recommended protective fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply July, August, September and October.</td>
</tr>
<tr>
<td></td>
<td>Leaf Spot (Mycosphaerella muscola), Leaf Speckle (Mycosphaerella musae), Cordana Leaf Spot (Cordana johnstonii)</td>
<td>NTH QLD, WA, NT only</td>
<td><strong>Aerial Application:</strong> 400mL + 3-5L of a water miscible oil, in a minimum of 30L of water.</td>
<td>–</td>
<td><strong>NTH QLD – Aerial Application:</strong> Commence spraying at the start of the summer rainy season and apply a maximum of 5 sprays per season at 21 to 28 day intervals. For effective control the product must be applied for at least 2 consecutive sprays at 21 to 28 day intervals before further treatments of an alternative recommended protective fungicide are applied. Continue with treatments of an alternative recommended protective fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply July, August, September and October.</td>
</tr>
<tr>
<td></td>
<td>Black Sigatoka (Mycosphaerella fijiensis var difformis)</td>
<td>QLD, WA, NT only</td>
<td><strong>Aerial Application without water:</strong> 400mL + 8-10L of spraying oil (This use does not require further dilution with water).</td>
<td>–</td>
<td><strong>NTH QLD – Aerial Application:</strong> Commence spraying at the start of the summer rainy season and apply a maximum of 5 sprays per season at 21 to 28 day intervals. For effective control the product must be applied for at least 2 consecutive sprays at 21 to 28 day intervals before further treatments of an alternative recommended protective fungicide are applied. Continue with treatments of an alternative recommended protective fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply July, August, September and October.</td>
</tr>
<tr>
<td>Barley</td>
<td>Powdery Mildew (Blumeria graminis hordei)</td>
<td>ALL STATES</td>
<td>150-500mL</td>
<td>–</td>
<td><strong>NSW, Sth Qld – Ground Aerial Application:</strong> Commence spraying at the start of the summer rainy season and apply a maximum of 5 sprays per season at 14 to 21 day intervals. For effective control the product must be applied for at least 2 consecutive sprays at 14 to 21 day intervals before further treatments of an alternative recommended protective fungicide are applied. Continue with treatments of an alternative recommended protective fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply July, August, September and October.</td>
</tr>
<tr>
<td></td>
<td>Barley Scald (Rhynchosporium secalis)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td><strong>Sth Qld – Aerial Application:</strong> Commence spraying at the start of the summer rainy season and apply a maximum of 5 sprays per season at 14 to 21 day intervals. For effective control the product must be applied for at least 2 consecutive sprays at 14 to 21 day intervals before further treatments of an alternative recommended protective fungicide are applied. Continue with treatments of an alternative recommended protective fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply July, August, September and October.</td>
</tr>
<tr>
<td></td>
<td>Spot Form Net Blotch (Pyrenophora teres f. maculata)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td><strong>Sth Qld – Aerial Application:</strong> Commence spraying at the start of the summer rainy season and apply a maximum of 5 sprays per season at 14 to 21 day intervals. For effective control the product must be applied for at least 2 consecutive sprays at 14 to 21 day intervals before further treatments of an alternative recommended protective fungicide are applied. Continue with treatments of an alternative recommended protective fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply July, August, September and October.</td>
</tr>
<tr>
<td>Peanuts</td>
<td>Early Leaf Spot (Cercospora arachidica), Late Leaf Spot (Cercosporidium peronatum)</td>
<td>STH QLD, NSW, WA only</td>
<td>400-600mL</td>
<td>–</td>
<td><strong>This use is subject to a DMI anti-resistance strategy.</strong> Spray at the first sign of the disease during the tillering stage. A repeat spray 21 to 28 days later may be required. Ensure thorough coverage of stems and leaves. Powdery Mildew: Higher rates provide longer protection. Apply after flag leaf is around 70% emerged and before infection averages 10% on the flag-2 leaf. Ensure thorough coverage of the leaves and stem.</td>
</tr>
<tr>
<td></td>
<td>Rust (Puccinia arachidis)</td>
<td>STH QLD, WA only</td>
<td>600mL</td>
<td>–</td>
<td><strong>NSW – Aerial Application:</strong> Commence spraying at the start of the summer rainy season and apply a maximum of 5 sprays per season at 14 to 21 day intervals. For effective control the product must be applied for at least 2 consecutive sprays at 14 to 21 day intervals before further treatments of an alternative recommended protective fungicide are applied. Continue with treatments of an alternative recommended protective fungicide for the remainder of the season. Use the lower rate of oil in Nth Qld. DO NOT apply July, August, September and October.</td>
</tr>
<tr>
<td>Peppermint, spearmint grown for oil production only</td>
<td>Mint Rust (Puccinia menthae)</td>
<td>NSW, VIC, TAS only</td>
<td>500mL</td>
<td>–</td>
<td><strong>NSW, VIC, TAS only – Aerial Application:</strong> Apply 2 to 5 applications at 10 to 14 day intervals during the main disease period. DO NOT use on mint grown for the fresh market.</td>
</tr>
<tr>
<td>Perennial Ryegrass</td>
<td>Stem Rust (Puccinia graminis), Blind Seed Disease (Glocolinia granigene)</td>
<td>VIC only</td>
<td>500mL</td>
<td>–</td>
<td><strong>VIC – Aerial Application:</strong> Apply at ear emergence and again at anthesis.</td>
</tr>
<tr>
<td>Boronia</td>
<td>Rust (Puccinia boroniae)</td>
<td>TAS, WA only</td>
<td>500mL-1L</td>
<td>–</td>
<td><strong>TAS – Aerial Application:</strong> Apply 2 to 5 applications at 10 to 14 day intervals during the main disease period. Use the lower rate when application is made protectively before disease occurs. Use the higher rate when disease is first observed and when the minimum number of applications is applied.</td>
</tr>
<tr>
<td>Poppies (Papaver somniferum)</td>
<td>Leaf Smut (Entyloma fuscum)</td>
<td>TAS only</td>
<td>500mL</td>
<td>–</td>
<td><strong>TAS – Aerial Application:</strong> Usage recommended by poppy contract companies. Apply as a mid season application in the full flower/petal drop period when disease is present.</td>
</tr>
</tbody>
</table>
### Pineapples
- **Base Rot** (*Thielaviopsis paradoxa*)
  - **State**: QLD, WA, NT only
  - **Rate**: 10-20mL
  - **WHIP**: Pre-plant dip: Ensure thorough coverage by totally immersing the planting material in the dip solution. Apply 50mL of the dip solution per plant. Apply the higher rate under conditions of high disease pressure.

### Sugarcane
- **Pineapple Disease** (*Ceratozoon paradoxa*)
  - **State**: QLD, NSW, WA only
  - **Rate**: 20mL
  - **WHIP**: Ensure thorough coverage of the cut ends of sugarcane sets.

### Wheat
- **Stripe Rust** (*Puccinia striiformis*)
  - **State**: QLD, NSW, VIC, SA, WA only
  - **Rate**: 250 or 500mL
  - **WHIP**: Spray between jointing and end of flowering when 10 to 20% of leaves are infected. A repeat spray 21 to 28 days later may be required. Use higher rate under high infection pressure or when longer residual protection is required.

- **Powdery Mildew** (*Blumeria graminis tritici*)
  - **State**: ALL STATES
  - **Rate**: 150-500mL
  - **WHIP**: Spray at the first sign of disease during the tillering stage. A repeat spray 21 to 28 days later may be required. Ensure thorough coverage of stems and leaves. Higher rates provide longer protection.

- **Stem Rust** (*Puccinia graminis*)
  - **State**: 500mL
  - **WHIP**: Apply at the first sign of disease and before there is an average of over 2 pustules per tiller. Ensure thorough coverage of stems and leaves.

- **Septoria Nodorum Blotch** (*Phaeosphaeria nodorum*)
  - **State**: 150-500mL
  - **WHIP**: Apply after flag leaves are around 70% emerged if infection averages 10% on the flag-2 leaf. The high rate of application gives a longer period of protection than the lower rates. Use higher rates on high potential crops when conditions favour severe disease development during flowering. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.

- **Wheat Leaf Rust** (*Puccinia triticina*)
  - **State**: 150-500mL
  - **WHIP**: Apply after flag leaf is 70% emerged and before disease levels reach 1% of flag leaf area. Consider control if disease is greater than 5-10% on any lower leaf layer. Use higher rates under high infection pressure or when longer residual protection is required. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.

- **Yellow Spot** (*Pyrenophora tritici-repentis*), **Septoria Tritici Blotch** (*Mycosphaerella graminicola*)
  - **State**: 250-500mL
  - **WHIP**: Apply after flag leaves are around 70% emerged if infection averages 10% on the flag-2 leaf. The high rate of application gives longer period of protection than the lower rates. Use higher rates on high potential crops when conditions favour severe disease development during flowering. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.

- **Crown Rust** (*Puccinia coronata f. sp avenae*)
  - **State**: 250 to 500mL
  - **WHIP**: Apply after flag blade is fully emerged or Z39 and before disease levels reach 1% of flag leaf area. Consider control if disease is greater than 5-10% on any lower leaf layer. Use higher rates under high infection pressure or when longer residual protection is required. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.

- **Suppression of Septoria Leaf Blotch** (*Leptosphaeria avenaria*)
  - **State**: 500mL
  - **WHIP**: Apply after flag blade is fully emerged or Z39. If infection averages 10% on the flag-2 leaf. The high rate of application gives longer period of protection than the lower rates. Use higher rates under high infection pressure or when longer residual protection is required. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.

---

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**
WITHOLDING PERIODS:
APRICOTS, BANANAS, STONE FRUIT: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.
PEANUTS:
BARLEY, OATS, WHEAT: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.
PECTINOLYSES:
PERENNIAL RYEGRASS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION.
PINEAPPLES, SUGARCANE:
DO NOT HARVEST FOR 35 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS
DO NOT apply more than 6 sprays per season.

Note: For cereals, the flag-2 leaf is the 3rd last fully emerged leaf, ie. the second leaf below flag.
Wheat – Stripe Rust – susceptible varieties – apply when 10% leaves infected.
Wheat – Stripe Rust – moderately susceptible varieties – apply when 15 to 20% leaves infected.

FUNGICIDE RESISTANCE WARNING
TITAN® Propiconazole 250 EC Fungicide is a member of the DMI group of fungicides. For fungicide resistance management TITAN® Propiconazole 250 EC Fungicide is a Group 3 Fungicide. Some naturally occurring individual fungicide resistant to the product and other Group 3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungicides will not be controlled by TITAN® Propiconazole 250 EC Fungicide or other Group 3 fungicides, thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant fungi is difficult to detect prior to use, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of TITAN® Propiconazole 250 EC Fungicide to control resistant fungi.

MIXING
Shake well before use. Fill the spray tank and then add concentrate. Mix well.

Pineapples – Preplant dip:
Add the required amount of TITAN® Propiconazole 250 EC Fungicide directly to the dip and mix well. Avoid excessive contamination of the dip with organic matter.

APPLICATION
TITAN® Propiconazole 250 EC Fungicide may be applied by ground rig, high or low volume, or by air.

Cereals:
May be applied by boom spray or aircraft. Ensure complete coverage of all leaves and stems is obtained. The objective of spraying is to control disease on the upper 2-3 leaves during grain filling.

With aircraft, as a guide, apply 10-20L/ha with the lower rate being used when applications are made with a cross wind of not less than 5 knots. Use the higher rate when applying to dense crops.

Bananas:
Apply by misting machine, airblast sprayer or aircraft. Use a minimum of 30L water if applying by air.

Dilute Spraying:
Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add the amount of product specified in the Directions for Use table for each 100L of water. Spray to the point of run-off. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying:
Use a sprayer designed and set up for concentrate spraying (that is, a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy, this is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way:
Example only:
1 Dilute spray volume as determined above: For example 1500L/ha
2 Your chosen concentrate spray volume: For example 500L/ha
3 The concentration factor in this example is: 3 x (ie. 1500L ÷ 500L = 3)
4 If the dilute label rate is 10mL/100L, then the concentrate rate becomes 3 x 10, that is 30mL/100L of concentrate spray.

The chosen spray volume, amount of product per 100L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

COMPATIBILITY
TITAN® Propiconazole 250 EC Fungicide may be mixed with any one of the registered products containing azinphos-methyl, chlorothalonil, copper oxychloride, demeton-s-methyl, diazinon, dimethoate, mancozeb, metalaxyl, methomyl, parathion, propargite and zineb.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL
5L, 20L:
Store in the closed, original container in a well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit suitably marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and products should not be burnt.

110L:
Store in the original sealed Envirodum in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with water or any water or any other foreign matter. After each use of the product, please ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, please return the empty drum to the point of purchase. The drums remain the property of TITAN AG Pty Ltd.

1000L:
Store in the closed original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs TITAN AG Pty Ltd should be notified immediately. This minibulk/bulk container is reusable and remains the property of TITAN AG Pty Ltd. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to TITAN AG Pty Ltd for cleaning, relabelling and refilling.

RE-ENTRY PERIOD
DO NOT enter treated area until spray has dried.

SAFETY DIRECTIONS
If swallowed. Will damage the eyes. Will irritate the nose, throat and skin. Avoid contact with the eyes and skin. DO NOT inhale vapour. When opening the container, preparing the spray wear cotton overall buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves, goggles and disposable fume mask. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. If product in eyes wash out immediately with water. If product on skin, immediately wash area with soap. Wash hands after use. After each day use wash gloves, goggles and contaminated clothing.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26
If swallowed, DO NOT induce vomiting, give a glass of water.

MATERIAL SAFETY DATA SHEET
Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for TITAN Propiconazole 250 EC Fungicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9986 2943 or visit www.titanag.com.au

CONDITIONS OF SALE:
TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG’s skill or judgement in purchasing the spraying equipment and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.