

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

# **Genfarm Propiconazole 250 EC Systemic Fungicide**

**ACTIVE CONSTITUENT: 250g/L PROPICONAZOLE**  
**SOLVENT: 600 g/L LIQUID HYDROCARBON (A)**  
**640 g/L LIQUID HYDROCARBON (B) Opal**  
**657 g/L LIQUID HYDROCARBON (C) Accensi**

<b>GROUP</b>	<b>3</b>	<b>FUNGICIDE</b>
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For the control of certain fungal diseases of Bananas, Oats, Peanuts, Perennial Ryegrass, Pineapples, Stone Fruit, Sugar Cane, Wheat and other crops in certain states as specified in the Directions for Use Table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT**

**CONTENTS: 1L, 10L, 20L, 110L**

**Landmark Operations Ltd**  
**Suite 2, Level 3, 64 Talavera Road,**  
**Macquarie Park,**  
**NSW, 2113**  
**Tel: (02) 9889 5400**

**Storage and Disposal**

Store in the closed, original container in a locked, well-ventilated area, as cool as possible and away from children, animals, food, feedstuffs, seed and fertilizers. Do not store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the empty containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

**For refillable containers: 110L only**

Empty contents fully into application equipment. Close all valves and return to point of storage for refill or storage.

**Safety Directions**

Harmful if swallowed. Will damage the eyes. Will irritate the nose, throat and skin. Avoid contact with eyes and skin. Do not inhale vapour. When opening the container and preparing the spray wear cotton overalls, buttoned to the neck and wrist, a washable hat, elbow length PVC, nitrile or neoprene gloves, goggles and disposable fume mask. When using the prepared spray wear cotton overalls, buttoned to the neck and wrist, a washable hat, elbow length PVC, nitrile or neoprene gloves and goggles. If product in eyes wash it out immediately with water. If product on skin immediately wash area with soap and water. Wash hands after use. After each day's 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, which is available from the supplier.

**CONDITIONS OF SALE**

The use of this product is beyond the control of Landmark Operations Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Landmark Operations Ltd accepts no responsibility for any consequences resulting from the use of this product. Landmark Operations Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

<b>IN A TRANSPORT EMERGENCY</b> <b>DIAL</b> <b>000,</b> <b>POLICE OR FIRE BRIGADE</b>	<b>FOR SPECIALIST ADVICE IN AN</b> <b>EMERGENCY CALL</b> <b>1800 033 111</b> <b>24 HOURS Australia Wide</b>
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Batch No:

DOM:

APVMA APPROVAL No: 58806/1A/0510, 58806/10A/0510, 58806/20/0510 58806/110A/0510

58806/1B/0510, 58806/10B/0510, 58806/20B/0510, 58806/110B/0510

58806/1C/0510, 58806/10C/0510, 58806/20C/0510, 58806/110C/0510

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**IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT****APVMA APPROVAL NO: 58806/A/0510****58806/B/0510****58806/C/0510**

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## DIRECTIONS FOR USE

Crop	Disease Controlled	State	Rate		WHP	Critical Comments
			Per Hectare	High volume		
Apricots	Prune Rust <i>Tranzschelia discolor</i>	SA only	-	<b>Dilute Spraying:</b> 32mL/100L  <b>Concentrate Spraying:</b> Refer to the Mixing/ Application Section	1 day	Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.  <b>Curative Control:</b> Apply when the disease first occurs. Further applications should be made when the disease occurs on new growth. DO NOT make more than 5 applications to any individual tree during the season.  <b>Protective Treatment:</b> Spray mancozeb or zineb mixed with Genfarm Propiconazole 250 EC Systemic Fungicide at the full-recommended rates of application. <b>This use is subject to a DMI anti-resistance strategy.</b>
Bananas (including bananas inter-planted with avocados)	Leaf Spot <i>Mycosphaerella musicola</i> , Leaf Speckle <i>Mycosphaerella musae</i> , Cordana Leaf Spot <i>Cordana johnstonii</i>	NSW, WA, Sth Qld only	<b>Ground Application:</b> 200 to 400mL + 3 to 5L of water miscible oil, in a convenient volume of water.  <b>Aerial Application:</b> 400mL + 3 to 5L of a water miscible oil, in a minimum of 30L of water.  <b>Aerial Application without water:</b> 400mL + 8 to 10L of spraying oil. (This use does not require further dilution with water).	-		<b>This use is subject to a DMI anti-resistance strategy.</b>  <b>Ground Application:</b> Apply by misting machine or airblast sprayer. Use rates towards the higher end of the range where weather conditions favour diseases or where equipment or terrain does not permit thorough spray coverage of all foliage. This use is subject to a DMI anti-resistance strategy.  <b>NSW, Sth Qld: Ground and aerial application:</b> 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 Genfarm Propiconazole 250 EC Systemic Fungicide must be applied at least 2 consecutive sprays at 21 to 28 day intervals before further treatments of an alternative recommended protectant fungicide are applied.
	Leaf Spot <i>Mycosphaerella musicola</i> , Leaf Speckle <i>Mycosphaerella musae</i> , Cordana Leaf Spot, <i>Cordana musae</i>	NT, Nth Qld, WA only				<b>NT, WA, Nth Qld: Ground and aerial application:</b> Commence spraying at the start of the wet season and apply a maximum of 6 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 fungicide are applied.
	Black Sigatoka <i>Mycosphaerella fijiensis var difformis</i>	Qld, WA, NT only				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 during July, August, September and October.

Barley	Powdery Mildew <i>Blumeria graminis</i>	All states	150 to 500mL	-	Harvest 4 weeks Grazing 7 days	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. <b>Powdery Mildew:</b> Higher rates provide longer protection.
	Barley Scald <i>Rhynchosporium secalis</i>		500mL			
	Spot Form Net Blotch <i>Pyrenophora teres f. maculata</i>					
Boronia	Rust <i>Puccinia boroniae</i>	Tas, WA only	500mL to 1L	-	-	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 the disease is first observed and when the minimum numbers of applications are applied.
Oats	Stem Rust <i>Puccinia graminis f. sp. avenae</i>	All States	500 mL	-	Harvest 4 weeks Grazing 7 days	Apply at first signs of disease and before there is an average of over 2 pustules per tiller. Ensure thorough coverage of stems and leaves.
	Crown Rust <i>Puccinia coronata f. sp. avenae</i>		250 to 500 mL			
	Suppression of Septoria Leaf Blotch <i>Leptosphaeria avenaria</i>					
Peanuts	Early Leaf Spot <i>Cercospora arachidicola</i> , Late Leaf Spot <i>Cercosporidium personatum</i>	Sth Qld, NSW, WA only	400 to 600mL	-	14 days	<b>This use is subject to a DMI anti-resistance strategy.</b> Spray when disease symptoms are first observed. Apply at 14-day intervals while weather conditions favour disease. Use rates towards the higher end of the range when wet conditions prevail. Use fungicide from a different activity group (non DMI) after 3 consecutive sprays using Genfarm Propiconazole 250 EC Systemic Fungicide alone. Apply a maximum of 5 sprays per season. The leaves of peanuts sprayed may become darker green in colour and modified in shape. These effects will not adversely affect yield at recommended rates.
	Rust <i>Puccinia arachidis</i>	Sth Qld, WA only	600mL			
Peppermint Spearmint grown for oil production only	Mint Rust <i>Puccinia menthae</i>	NSW, Vic, Tas only	500mL	-	5 weeks	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.
Perennial Ryegrass	Stern Rust <i>Puccinia graminis</i> Blind Seed Disease <i>Gloeotinia granigena</i>	Vic only			4 weeks	Apply at ear emergence and again at anthesis.

Plums For Prune production	Prune Rust <i>Tranzschelia discolor</i>	NSW, Vic, SA, WA only	-	<b>Dilute Spraying:</b> 32mL/100L  <b>Concentrate Spraying:</b> Refer to the mixing/ Application section.	1 day	Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.  <b>Curative Control:</b> Apply when the disease first occurs. Further applications should be made when the disease occurs on new growth. DO NOT make more than 5 applications to any individual tree during the season.  <b>Protective Treatment:</b> Spray mancozeb or zineb mixed with Genfarm Propiconazole 250 EC Systemic Fungicide at the full-recommended rates of application.  <b>This use is subject to a DMI anti-resistance strategy.</b>
Pineapples	Base Rot <i>Thielaviopsis paradoxa</i>	Qld, NT, WA only	-	10 to 20mL/100L	-	<b>Preplant dip:</b> Ensure thorough coverage by totally immersing the planting material in the dip solution. Allow 50mL of the dip solution per plant. Apply the higher rate under conditions of high disease pressure.
Poppies <i>Papaver somniferum</i>	Leaf Smut <i>Entyloma fuscum</i>	Tas only	500mL	-	28 days	Usage recommended by poppy contract companies. Apply as mid season application in the full flower/petal drop period when disease is present.
Stone Fruit	Brown Rot (Blossom Blight) (Blossom phase) <i>Monilinia laxa</i>	Vic, Tas, WA only	-	<b>Dilute Spraying:</b> 25mL/100L  <b>Concentrate Spraying:</b> Refer to the mixing/ Application section	1 day	Apply by dilute or concentrate spraying equipment. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.  <b>This use is subject to a DMI anti-resistance strategy.</b> Apply at early (1 to 10%) blossom and again at full bloom. A further application is made at shuck- fall.
	Brown Rot (Blossom phase) <i>Monilinia fructicola</i>	Qld, NSW, Tas, SA, WA only				
	Brown Rot (Fruit phase) <i>Monilinia fructicola</i>	Qld, NSW, Vic, Tas, SA, WA only				
Sugar Cane	Pineapple Disease <i>Ceratocystis paradoxa</i>	Qld, NSW, WA only	-	20mL/100L	-	Ensure thorough coverage of the cut ends of sugar cane setts.

Wheat	Stripe Rust <i>Puccinia striiformis</i>	Qld, NSW, Vic, SA, WA only	250 or 500 mL	-	28 days	Spray between joining 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 where longer residual protection is required.
		Tas only				Spray when 10 to 20% of leaves are infected. A repeat spray 21 to 28 days later may be required. Use the higher rate under high infection pressure or when longer residual protection is required.
	Powdery Mildew <i>Blumeria graminis tritici</i>	All states	150 to 500 mL			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. Higher rates provide longer protection.
	Stem Rust <i>Puccinia graminis</i>		500 mL			Apply at the first sign of disease and before there are more than 2 pustules per tiller. Ensure thorough coverage of stems and leaves.
	Septoria Nodorum Blotch <i>Phaeosphaeria nodorum</i>		150 to 500 mL			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 <i>Puccinia triticina</i>					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 to 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 <i>Pyrenophora tritici-repentis</i>		250 to 500 mL			Apply after flag leaves are around 70% emerged if infection averages 10% on the flag-2 leaf. Higher rates provide longer protection. Use higher rates on high potential crops when conditions favour severe disease development. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.
Septoria Tritici Blotch <i>Mycosphaerella graminicola</i>						

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORIZED UNDER APPROPRIATE LEGISLATION.**

#### WITHHOLDING PERIODS:

Perennial Ryegrass:

**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION**

Peppermint, Spearmint:

**DO NOT HARVEST FOR 5 WEEKS AFTER APPLICATION**

Poppies:

**DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION**

Barley, Oats, Wheat:

**DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.**

**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION**

Peanuts:

**DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION**

Apricots, Bananas, Stone Fruit:

**DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.**

Pineapples, Sugar Cane:

**WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED**

#### GENERAL INSTRUCTIONS

DO NOT apply more than 6 sprays per season.

NOTE: For cereals, the flag – 2 leaf is the 3<sup>rd</sup> 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

GROUP

**3**

FUNGICIDE

Genfarm Propiconazole 250 EC Systemic Fungicide is a member of the DMI group of fungicides. For fungicide resistance management the product is a Group 3 fungicide. Some naturally occurring individual fungi 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 fungi will not be controlled this product 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, Genfarm Crop Protection Pty Limited accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

### Mixing

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

### Pineapples – Pre-plant dip

Add the required amount of Genfarm Propiconazole 250 EC Systemic Fungicide directly to the dip and mix well. Avoid excessive contamination of the dip with the organic matter.

### Application

Genfarm Propiconazole 250 EC Systemic 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 are obtained. The objective of spraying is to control disease on the upper 2 to 3 leaves during grain filling.

With aircraft, as a guide, apply 10 to 20 L/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.

**Apricots, Plums and other stone fruits:** Apply by high volume (dilute) sprayer or concentrate sprayer.

**Bananas:** Apply by misting machine, air blast sprayer or aircraft. Use a minimum of 30 L 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 Direction for Use Table for each 100 L 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 1500 L/ha.
2. Your chosen concentrate spray volume: for example 500 L/ha.
3. The concentration factor in this example is:  $3 \times$  (i.e.,  $1500 \text{ L} \div \text{by } 500 \text{ L} = 3$ ).
4. If the dilute label rate is 10 mL/100 L, then the concentrate rate becomes  $3 \times 10$  that is 30 mL/100 L of concentrate spray.

The chosen spray volume amount of product per 100 L 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**

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

**Precaution****Re-entry Period**

DO NOT enter treated area until spray has dried.

**Protection Of Wildlife, Fish, Crustaceans And Environment**

DO NOT contaminate streams, rivers or waterways with the chemical or used containers

**Protection Of Livestock**

Low hazard to bees. No special precautions are required.

**Storage and Disposal**

Store in the closed, original container in a locked, well-ventilated area, as cool as possible and away from children, animals, food, feedstuffs, seed and fertilizers. Do not store for prolonged periods in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately.

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**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**

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