

CAUTION

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



**ACTIVE CONSTITUENT: 250 g/L DIFENOCONAZOLE
SOLVENT: 558 g/L HYDROCARBON LIQUID**

GROUP 3 FUNGICIDE

**For the control of target spot of potatoes and tomatoes, leaf blight of carrots,
leaf spot diseases of bananas and husk spot on macadamias
as specified in the Directions for Use table.**

DIRECTIONS FOR USE

RESTRAINT: DO NOT apply more than 6 applications of this product per season.

The effect of KINGFISHER could be diminished if rain falls within 2 hours of application.

CROP	DISEASE CONTROLLED	STATE	RATE/ha	WHP	CRITICAL COMMENTS
Bananas including bananas interplanted with avocados	Yellow Sigatoka (<i>Mycosphaerella musicola</i>), Black Sigatoka (<i>Mycosphaerella fijiensis</i>)	Qld, NSW, NT only	Ground Application 400 mL + 3 to 5 L of water miscible oil, in a convenient volume of water. Aerial Application 400 mL + 3 to 5 L of a water miscible oil, in a minimum of 30 L of water.	1 day	This use is subject to a CropLife Fungicide Resistance Management Strategy . Ground Application: 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. NSW, Sth Qld: Ground and aerial application: Commence spraying at the start of the summer rainy season. Apply a maximum of 5 Group 3 sprays per season. Apply at least 2 consecutive sprays of KINGFISHER at 21 to 28 day intervals before applying further treatments of a protectant fungicide from a different activity group. NT, Nth Qld: Ground and aerial applications: Commence spraying at the start of the wet season. Apply a regular schedule of protectant sprays. When the disease potential is high, apply at least 2 but no more than 3 consecutive sprays of KINGFISHER at 14 to 21 day intervals before applying further treatments of a protectant fungicide from a different activity group. Apply a maximum of 6 Group 3 sprays per season. Continue with treatments using an alternative protectant 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.
Carrots	Leaf Blight (<i>Alternaria dauci</i> and <i>Cercospora carotae</i>)	All States	300 mL or 500 mL	7 days	This use is subject to a CropLife Fungicide Resistance Management Strategy . Use in a protectant program commencing before disease occurs. Limit the use of Group 3 fungicides to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 to 14 day intervals. Use the 500 mL rate when conditions favour high disease pressure. Apply no more than 2 consecutive sprays of KINGFISHER alone. Then apply a recommended non Group 3 fungicide or tank mix Kingfisher with a recommended protectant fungicide for at least 1 application before continuing with Kingfisher alone. Good crop hygiene will aid disease control.
Macadamia nuts	Husk Spot (<i>Pseudocercospora macadamiae</i>)	Qld, NSW, NT only	Dilute spraying- 50 mL/100 L water Concentrate spraying- Refer to the Application section	-	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. Use in a protectant fungicide program containing fungicides from different chemical groups. Commence fungicide applications at nut set (approximately late September) and continue the fungicide program until late December, with applications at 3 to 4 week intervals. Apply a maximum of 2 applications of KINGFISHER per season. Ensure thorough spray coverage. Add an appropriate Spray Activator/Spreading agent (600g/l) at a rate of 10 mL/100 L.
Potatoes	Target Spot/Early Blight (<i>Alternaria solani</i>)	All States	300 mL or 500 mL	7 days	This use is subject to a CropLife Fungicide Resistance Management Strategy . Use in a protectant program commencing when rows meet and before disease occurs. Limit the use of Group 3 fungicides to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 to 14 day intervals. Use the 500 mL rate when conditions favour high disease pressure. Apply no more than 2 consecutive sprays of KINGFISHER alone. Then apply a recommended non Group 3 fungicide or tank mix KINGFISHER with a recommended protectant fungicide for at least 1 application before continuing with KINGFISHER alone. Good crop hygiene will aid disease control. Kingfisher does not control late blight, <i>Phytophthora infestans</i> . If this disease is a problem, mix KINGFISHER with an appropriate fungicide for control of this disease and observe the spray interval for that product.
Tomatoes	Target Spot (<i>Alternaria solani</i>)	All States	300 mL or 500 mL	3 days	This use is subject to a CropLife Fungicide Resistance Management Strategy . Use in a protectant program commencing soon after transplanting. Limit the use of Group 3 fungicides to periods when conditions favour disease development. Apply the 300 mL rate at 7 day intervals and the 500 mL rate at 10 day intervals. Apply no more than 2 consecutive sprays of KINGFISHER alone. Then apply a recommended non Group 3 fungicide or tank mix KINGFISHER with a recommended protectant fungicide for at least 1 application before continuing with KINGFISHER alone. Good crop hygiene will aid disease control.

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

WITHHOLDING PERIODS:

BANANAS: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

POTATOES, CARROTS: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

TOMATOES: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION.

AVOCADOS, MACADAMIAS: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS
FUNGICIDE RESISTANCE WARNING

GROUP 3 FUNGICIDE

KINGFISHER Fungicide is a member of the DMI group of fungicides. For fungicide resistance management KINGFISHER is a Group 3 fungicide. Some naturally occurring individual fungi resistant to KINGFISHER and other Group 3 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by KINGFISHER 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, Grochem Australia Pty Ltd accepts no liability for any losses that may result from the failure of KINGFISHER to control resistant fungi.

MIXING

Add the required amount of KINGFISHER directly to the spray tank and mix well.

APPLICATION

Thorough coverage is essential for effective results.

Aerial Application: Use 20 to 30 L water/ha.

Ground Application: Use at least 100 L water/ha.

Macadamia nuts: Apply by high volume (dilute) sprayer or by concentrate sprayer.

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 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 the 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 can then be calculated in the following way:

EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 2000 L/ha.
2. Your chosen concentrate spray volume: For example 500 L/ha.
3. The concentration factor in this example is: $4 \times$ (ie $2000 \text{ L} \div 500 \text{ L} = 4$).
4. If the dilute label rate is 50 mL/100 L, the concentrate rate becomes 4×50 , that is 200 mL/100 L of concentrate spraying. 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.

PRECAUTIONS

Re-entry Period: DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist and butyl rubber gloves. Clothing must be laundered after each day's use.

PROTECTION OF LIVESTOCK

Low hazard to bees. May be applied to plants any time.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to aquatic organisms. DO NOT spray within 5 m downwind of water bodies. DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent areas, particularly wetlands, waterbodies or watercourses. DO NOT contaminate dams, waterways or drains with the product or its container.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple 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 deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length butyl rubber gloves and face shield or goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length butyl rubber gloves. If product gets in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, DO NOT induce vomiting. Give a glass of water.

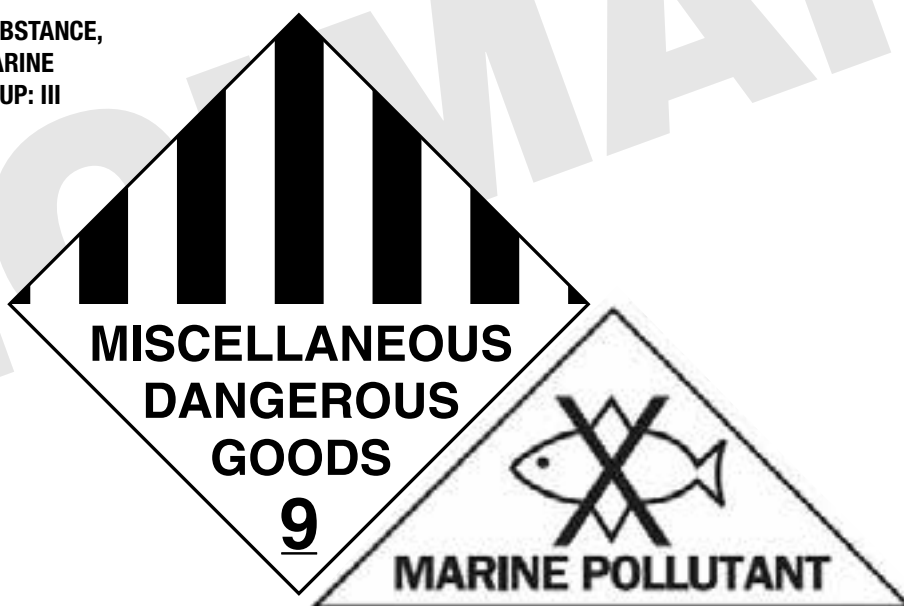
SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet for Kingfisher Systemic Fungicide which is available from Grochem Australia Pty Ltd on request or the Grochem website. For a copy phone 1800 777 068 or visit the website www.grochem.com

LIMIT OF LIABILITY

1. Grochem Australia accepts responsibility for the consistent quality of the product.
2. Grochem Australia accepts no responsibility whatsoever for any damage, injury or loss following purchase and use of this product.
3. The extent of liability of Grochem Australia is limited to the replacement of goods or a refund on the price paid. This being conditional upon a claim being made in writing and within 30 days of delivery/receipt of product.
4. This product must also be used in strict accordance with the directions as detailed on this label. The buyer accepts and uses this material with an understanding of the above conditions.

**UN NO 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S (CONTAINS DIFENOCONAZOLE), MARINE
POLLUTANT, HAZCHEM CODE:3Z PACKAGING GROUP: III**



APVMA APPROVAL NO: 84390/114403

Additional statements as required by Safe Work Australia in accordance with the Globally Harmonized System of Classification and Labelling (GHS)

Combustible liquid. May be fatal if swallowed and enters airways.

Causes serious eye irritation.

Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Wash thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

In a Transport Emergency
Dial 000
Police or Fire Brigade

Specialist Advice In Emergency Only
1800 033 111
All Hours - Australia Wide