

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

MacPhersons
PROCHLORAZ WP
FUNGICIDE



**ACTIVE CONSTITUENT : 462g/kg PROCHLORAZ present as
the manganese chloride complex**

GROUP	3	FUNGICIDE
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**For the control of certain diseases of mangoes, mushrooms,
proteas, violas and some lettuce varieties as per the Directions for Use**

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

CONTENTS : 1kg (5kg, 10kg)*

*** contains 5x1kg (10x1kg) measure packs
which it is illegal to sell separately**

RONIC International Pty Ltd
ACN 101 193 131
9 Heales Rd, Lara, Victoria 3212
Ph (03) 5274 2500 Fax (03) 4206 7012
www.agshop.com.au

MacPhersons Logo

STORAGE AND DISPOSAL

Store in the closed, original container, in a cool, dry, well-ventilated area. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury 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

Product is poisonous if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale dust or vapour. When opening the container and preparing the spray, wear elbow-length PVC gloves. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. *Phone Australia 13 11 26.*

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

IN EMERGENCY ONLY DIAL 000 Police or Fire Brigade
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EXCLUSION OF LIABILITY

This product must be used strictly as directed, and in accordance with all instructions appearing on the label and in other reference material. So far as it is lawfully able to do so, RONIC International Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

APVMA Approval No. : 65757/51807

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Not to be sold separately.
Before use read all directions on the outer pack.
Sale of this bag except in the outer pack is illegal.

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DIRECTIONS FOR USE**Restraint**

DO NOT allow the spray mix to stand overnight

Crop	Disease	State	Rate	WHP (days)	Critical Comments
Field grown lettuce and nursery stock prior to transplantation (closed head varieties only)	Anthrachnose (<i>Microdochium panattonianum</i>)	All states	50g/100L applied in 800L water/ha (ie 400g/ha applied high volume)	7	Apply as a foliar spray on a 7 to 14 day schedule. Use the shorter interval when continual wet, cloudy conditions favour disease development.
Mangoes	Anthrachnose blossom blight (<i>Colletotrichum gloeosporioides</i> var. minor)	Qld, NSW, WA only	<u>Dilute spraying</u> : 100g/100L plus 200g/100L of an 800g/kg formulation of mancozeb. <u>Concentrate spraying</u> : Refer to the Application section in General Instructions for both MacPhersons PROCHLORAZ WP Fungicide and mancozeb rates.	-	Apply on a 3 to 4 week schedule throughout the flowering period. Use the shorter interval when weather conditions favour disease development. Ensure thorough coverage of blossoms. 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. For concentrate spraying do not apply MacPhersons PROCHLORAZ WP Fungicide at more than 500g/100L (ie at a concentration factor greater than 5 x).
Mushrooms	Dry bubble (<i>Verticillium fungicola</i> var. <i>fungicola</i>), wet bubble (<i>Mycogone perniciosa</i>), cobweb disease (<i>Hypomyces rosellus</i>)	All States	24g/0.3m ³ of peat OR 3g/m ² of casing surface	-	Incorporation Mix with the water used to wet the peat and incorporate with the peat prior to casing. Spray application following harvest of first flush. If MacPhersons PROCHLORAZ WP Fungicide has not been incorporated in the peat and disease becomes a problem, spray the casing immediately after harvesting of first flush. Use adequate water to thoroughly wet the casing.
Proteas	Damping-off and die-back (<i>Colletotrichum spp.</i>)	All States (NOT ACT or NT)	300g/100L	-	Commence spraying in early Spring and apply at 10 to 14 intervals depending on disease pressure. Use the shorter interval when conditions favour disease development. Spray the entire plant using a sufficient volume to ensure thorough coverage (just before

					point of run-off).
Strawberries – Non-fruiting strawberry runners only	Colletotrichum crown rot, stolon rot (<i>Colletotrichum gloeosporioides</i>)	Qld, WA only	100g/100L	-	Apply as a foliar spray on a 7 to 14 day schedule. Use the shorter interval when continual wet, cloudy conditions favour disease development. Ensure thorough spray coverage on both (leaf) surfaces and into the crown of the plants.
Violas	Anthrachnose (<i>Colletotrichum violae- tricoloris</i>), spot anthracnose (<i>Sphaceloma violae</i>)	All States	300g/100L	-	Spray at 7 to 28 day intervals. Use the shorter intervals when conditions favour disease development.

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

WITHHOLDING PERIOD (WHP) :

Lettuce (closed head varieties) – DO NOT harvest within 7 days of application.

Mangoes, mushrooms, proteas, strawberries – NOT required when used as directed.

**Important Note – DO NOT FEED TREATED CROP TO LIVESTOCK, OR ALLOW LIVESTOCK
TO GRAZE TREATED AREAS.**

GENERAL INSTRUCTIONS

FUNGICIDE RESISTANCE WARNING

GROUP	3	FUNGICIDE
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MacPhersons PROCHLORAZ WP Fungicide is a member of the imidazole group of fungicides. For fungicide resistance management **MacPhersons PROCHLORAZ WP Fungicide** is a Group 3 fungicide. Some naturally occurring individual fungi resistant to **MacPhersons PROCHLORAZ WP Fungicide** 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 by **MacPhersons PROCHLORAZ WP 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, RONIC International Pty Ltd accepts no liability for any losses that may result from the failure of **MacPhersons PROCHLORAZ WP Fungicide** to control resistant fungi.

EXPORT OF TREATED PRODUCE

Growers should note that MRL's or import tolerances do not exist in all markets for edible produce treated with **MacPhersons PROCHLORAZ WP Fungicide**. If you are growing edible produce for export, please check with RONIC International Pty Ltd for the latest information on MRL's and import tolerances BEFORE using **MacPhersons PROCHLORAZ WP Fungicide**.

MIXING

- MUSHROOMS

• Pre-casing application

Thoroughly mix with the water used to wet the peat and incorporate with the casing material, ensuring even distribution.

• Spray application

Pre-mix the powder in a small volume of water. Add this pre-mix to the required volume of water in the spray tank with the agitator running to ensure thorough mixing.

- LETTUCE, PROTEAS, STRAWBERRY RUNNERS, VIOLAS

As for “**Spray application**” in mushroom section above.

- MANGOES

Pre-mix the powder in a small volume of water. Add this pre-mix to three-quarters of the required volume of water in the spray tank with the agitator running to ensure thorough mixing. Then add the mancozeb product and complete filling of the tank. Continue to agitate while spraying and if suspension is allowed to stand. DO NOT allow spray mix to stand overnight.

APPLICATION

Good disease control requires even thorough coverage of the target area. Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment settings and water volume may need to vary, depending on the growth stage of the crop. Continue to agitate while spraying and if suspension is allowed to stand.

Special Instructions for Mangoes

- Dilute Spraying

- Use a sprayer designed to apply high spray volumes, 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 spray volume to cover the crop to the point of run-off. Avoid excessive run-off.
- The required spray volume to achieve point of run-off may be determined by applying different test volumes, using different settings on the sprayer, or from industry guidelines or other 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 to achieve point of run-off 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 spray 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 spray 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 the 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 (i.e. 1500L divided by 500L = 3)
4. As the dilute label rate is 100g/100L then the concentrate rate becomes 3 x 100, that is 300g of product per 100L water for concentrate spraying.
 - 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.
 - Do not use a concentrate higher than 5 x.
 - For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practice.

PRECAUTIONS

Re-entry Period

DO NOT allow entry into treated areas until the spray deposits have dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and elbow-length PVC gloves. Clothing must be laundered after each day's use.

For glasshouses and other confined areas, do not re-enter until spray deposits have dried and area has been thoroughly ventilated.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

This product is toxic to fish. DO NOT contaminate streams, rivers or waterways with chemical or used containers. Clean up spillages promptly.

DRIFT WARNING

DO NOT apply under weather conditions or from spraying equipment which could be expected to cause spray to drift onto adjacent crops, crop lands, pastures or livestock.

STORAGE AND DISPOSAL

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