

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

FMC Patron 500 WG Fungicide



ACTIVE CONSTITUENT: 500 g/kg BOSCALID

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| GROUP | 7 | FUNGICIDE |
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**For the control of bunch rot (*Botrytis cinerea*) in grapevines
as specified in the Directions for Use**

**Contents: 2.5kg
(1kg – 10kg)**

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DIRECTIONS FOR USE**RESTRAINTS**

DO NOT apply by aerial application.

DO NOT treat vineyards that will or may be grazed by livestock.

| CROP | DISEASE | RATE | WHP | CRITICAL COMMENTS |
|------------|--|--|---|---|
| Grapevines | Bunch rot (<i>Botrytis cinerea</i>) | Dilute spray 120g/100L water Concentrate spray Refer to the Application section. | Harvest 4 weeks Grazing DO NOT treat vineyards that will or may be grazed by livestock | Apply as part of a <i>Botrytis</i> bunch rot program: In a 3 spray program, apply only 1 spray of FMC Patron 500 WG Fungicide. In a 4 spray program, apply only 2 sprays of FMC Patron 500 WG Fungicide. DO NOT apply consecutive sprays of FMC Patron 500 WG Fungicide. The ideal timing for the first spray is 5% capfall. DO NOT apply after 5% capfall on grapes grown for wine export. Applications can also be made at 80% capfall, pre-bunch closure, veraisson or 4 weeks prior to harvest on table grapes or grapes for domestic wine. 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. DO NOT use in equipment that requires rates greater than 600g/100L (5X concentration). DO NOT apply in volumes less than 250L/ha. |

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

WITHHOLDING PERIODS**HARVEST****GRAPEVINES: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.****GRAZING****GRAPEVINES: DO NOT TREAT VINEYARDS THAT WILL OR MAY BE GRAZED BY LIVESTOCK.****GENERAL INSTRUCTIONS**FMC Patron 500 WG Fungicide is a systemic anilide fungicide recommended for the control of Bunch rot (*Botrytis cinerea*) in grapevines.

Optimum disease control is achieved when FMC Patron 500 WG Fungicide is applied in a regularly scheduled preventative spray program and is used in a rotational program with other effective fungicides. Because of its high specific activity, FMC Patron 500 WG Fungicide has good residual activity against target fungi.

EXPORT OF TREATED PRODUCEGrowers should note that suitable Maximum Residue Limits (MRLs) or import tolerances may not exist in all export markets for crops treated with FMC Patron 500 WG Fungicide. Additionally, some export markets have established MRLs different to those in Australia. If you are growing fruit for export (including fresh, dried or as wine) please check with your industry spray diary, peak industry body (such as the Australian Wine Research Institute www.awri.com.au) or FMC for the latest information on MRLs and import tolerances before using Patron 500.**FUNGICIDE RESISTANCE WARNING**

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FMC Patron 500 WG Fungicide is a member of the oxathiin group of fungicides. For fungicide resistance management FMC Patron 500 WG Fungicide is a Group 7 fungicide. Some naturally occurring individual fungi resistant to FMC Patron 500 WG Fungicide or any other Group 7 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. The resistant fungi will not be controlled by FMC Patron 500 WG Fungicide or other Group 7 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, FMC Australasia Pty Ltd accepts no liability for any losses that may result from the failure of FMC Patron 500 WG Fungicide to control resistant fungi.

MIXING

Partly fill the spray tank with water and add the required amount of product while stirring. If required, add compatible products and agitate thoroughly. Continue agitation as filling of the tank is completed. Agitate again before spraying commences.

If tank mixing with other water dispersible granule (WG) or wettable powder (WP) formulations, ensure they are mixed in well before adding emulsifiable concentrate (EC) or suspension concentration (SC) products. WP formulations should be pre-mixed separately prior to adding to the spray tank.

APPLICATION

Dilute spraying

- Use a sprayer designed to apply high volumes of water up to the point of runoff 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 runoff. 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 runoff) 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

Dilute spray volume as determined above: For example 1500L/ha

Your chosen concentrate spray volume: For example 500L/ha

The concentration factor in this example is: 3x(i.e. $1500L \div 500L = 3$)

If the dilute label rate is 120g/100L, then the concentrate rate becomes 3x120, that is 360g/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 concentrate application, DO NOT use in equipment that requires greater than 600g/100L (5x concentration). DO NOT apply in volumes less than 250L/ha.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

COMPATIBILITY

FMC Patron 500 WG Fungicide is compatible with metiram (700g/kg), mancozeb (750g/kg or 420g/L). FMC Patron 500 WG Fungicide is also compatible with a wide range of agricultural chemicals. A jar test with local water should be conducted before using any new tank mixtures with FMC Patron 500 WG Fungicide. For further information on compatibility please contact your local reseller or FMC representative.

RE-ENTRY PERIODS

DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and the wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to aquatic life. DO NOT contaminate streams, rivers or watercourses with this product or used containers.

STORAGE AND DISPOSAL**KEEP OUT OF REACH OF CHILDREN**

Store in the closed, original container in a dry, cool, well-ventilated area out of 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 deliver empty packaging for appropriate disposal at an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm 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

Will irritate the eyes. Avoid contact with eyes. When opening the container and preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, and elbow length PVC gloves. After each day's use, wash gloves and contaminated clothing. Wash hands after use.

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 your supplier.

CONDITIONS OF SALE

The use of FMC Patron 500 WG Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by FMC Australasia Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and FMC Australasia Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

APVMA Approval No.: 70146/62615

In a Transport Emergency Dial 000 Police or Fire Brigade

Batch No:
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