

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

# Bayfidan<sup>®</sup> 250 EC

FUNGICIDE

Active Constituent: 250 g/L TRIADIMENOL  
 Solvent: 602 g/L N-METHYL-2-PYRROLIDONE

GROUP 3 FUNGICIDE

**For systemic control of ring spot on brassica vegetables, powdery mildew on various crops, and for control of pineapple disease of sugar cane as specified in the DIRECTIONS FOR USE table**

## GENERAL INSTRUCTIONS

Bayfidan 250 EC is a broad spectrum, systemic, foliar fungicide that is quickly taken up by plants and translocated within the plant. Because of its systemic activity, Bayfidan is less affected by rainfall or irrigation than contact type fungicides.

### Fungicide Resistance Warning

Bayfidan 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 by this product and 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, Bayer CropScience Pty Ltd accepts no liability for any losses that result from failure of this product to control resistant fungi.

### Export of treated produce

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with Bayfidan. If you are growing edible produce for export, please check with Bayer CropScience Pty. Ltd. for the latest information on MRLs and import tolerances before using Bayfidan.

### Mixing

Half fill the spray tank or vat with clean water. Then add the required amount of Bayfidan with agitator going and top up the tank with water. Agitate thoroughly prior to and during spraying.

### Application

#### ***Dilute Spraying (grapevines, papaws)***

- ◆ 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 (grapevines, papaws)***

- ◆ 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 X (i.e. 1500 L ÷ 500 L = 3)
  4. As the dilute label rate is 10 mL/100 L for grapevines, then the concentrate rate becomes 3 x 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 grapevines do not use a concentrate rate higher than that specified in the Critical Comments because a rate higher than that has not been tested in Bayer CropScience trials.

- ◆ For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

**Compatibility**

Bayfidan 250 EC is compatible with Agridex®, Antracol®, Fruvit®, Morestan®, Nitofol®, sodium molybdate, white oil, misting oil, water miscible oil. Bayfidan 250 EC is NOT compatible with Tokuthion® or chlorpyrifos EC on table grapes. Bayfidan 250 EC is compatible with chlorpyrifos EC on wine grapes. Do not mix concentrates together but add each to the spray tank separately. As formulations of other manufacturers' products are beyond the control of Bayer CropScience Pty Ltd, all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Bayer CropScience cannot be responsible for the behaviour of such mixtures.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Harmful to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.

**(1 L container only)**

Rinse container before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Dispose of at a local authority landfill. If no landfill is available, bury the container 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. Do not re-use container for any other purpose.

**(5 L container only)**

Triple or preferably pressure rinse container 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 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. Do not re-use container for any other purpose.

**SAFETY DIRECTIONS**

Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length butyl rubber gloves, goggles and a disposable fume face mask covering mouth and nose. 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, goggles and contaminated clothing.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone 13 11 26).

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet, which can be obtained from [www.bayercropscience.com.au](http://www.bayercropscience.com.au).

**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, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

Agridex®, Antracol®, Bayfidan®, Fruvit®, Morestan®, Nitofol® are registered trademarks of Bayer

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FOR 24 HOUR SPECIALIST ADVICE  
IN EMERGENCY ONLY  
PHONE 1800 033 111

## DIRECTIONS FOR USE

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Brassica vegetables (e.g. cabbage, cauliflower, broccoli, brussels sprouts)	Ring spot	200 or 400 mL/ha plus Agridex 200 mL/ha	7 days	Apply every 10 days. Start the program immediately following the first two consecutive days of rain after transplanting. Use higher rate under heavy disease pressure or when weather conditions favour development of the disease.
Cucurbits	Powdery mildew	40 mL/100 L or 400 mL/ha	1 day	Apply a non-Group 3 fungicide such as Morestan® on a schedule commencing as soon as possible after emergence until fruit set. Then either tank mix or alternate Bayfidan with a non-Group 3 fungicide such as Morestan on a 5-10 day schedule. Use short spray intervals when disease pressure is high or plants are growing rapidly. Good coverage is essential for good results.
Tomatoes, peppers (capsicums and chillies), eggplants	Powdery mildew	40 mL/100 L or 400 mL/ha	1 day	<p>Apply Bayfidan prior to, or at first sign of, disease. Best control is achieved when applied as part of a well planned preventative spray program, with early applications before heavy disease pressure develops.</p> <p>Bayfidan should be either tank mixed or alternated with fungicides from different activity groups (NOT Group 3).</p> <p>Intervals between sprays should be 5-10 days with the short spray intervals appropriate when disease pressure is high, or plants are growing rapidly, or weather conditions favour disease development. Good coverage is essential for good results.</p> <p>DO NOT apply more than 4 sprays of Bayfidan 250 EC per crop.</p> <p><b>Application</b> Apply in sufficient volume to ensure thorough coverage of all foliage. For applications with spray volumes above 1000 L/ha, apply as a dilute spray to the point of incipient run-off on a per 100 L basis.</p>
Grapevines	Powdery mildew	<u>Dilute spraying</u> 10 mL/100 L  <u>Concentrate spraying</u> Refer to the Application section	7 days	<p>This use-pattern is subject to a CropLife Resistance Management strategy (<a href="http://www.croplife.org.au">www.croplife.org.au</a>).</p> <p>Apply a maximum of 3 sprays per season, thoroughly and only as part of a spray program, typically: 1. when shoots are 10-20 cm long. 2. pre-flowering. 3. at flowering. 4. after fruit set. 5. before bunches close. A non Group 3 fungicide should be used after a maximum of 2 consecutive Bayfidan sprays as part of this program. Do not allow spray intervals to exceed 21 days.</p> <p>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 50 mL/100 L of water. Do not apply in water volumes less than 250 L/ha.</p>
Papaws (Qld, NSW, WA only)	Powdery mildew	<u>Dilute spraying</u> 20 mL/100 L  <u>Concentrate spraying</u> Refer to the Application section	7 days	<p>Spray when powdery mildew infection begins or when conditions favour the disease. Repeat application every 14 days while conditions favour the disease. Ensure thorough coverage of foliage particularly the crown region.</p> <p>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.</p>
Sugar cane (Qld, NSW only)	Pineapple disease	20 mL/100 L	-	Apply to setts by dipping or spraying. Ensure thorough wetting of cut ends.

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

**WITHHOLDING PERIODS (WHP)**

**Harvest**

**Cucurbits, eggplant, peppers (capsicum and chilli), tomatoes: DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**

**Brassica vegetables, grapevines, papaws: DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**

**Grazing**

**Brassica vegetables: NOT REQUIRED WHEN USED AS DIRECTED**