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# MIGIWA<sup>®</sup>

## KINOPROL<sup>®</sup> ACTIVE

### F U N G I C I D E



**MIGIWA contains 218 g/L ipflufenquin (MOA Group 52)**

## A valuable addition to strawberry fungicide programs

### MIGIWA has a Novel Group 52 Compound

MIGIWA<sup>®</sup> KINOPROL<sup>®</sup> ACTIVE is a systemic-translaminar fungicide for the control of grey mould caused by *Botrytis cinerea* in strawberries.

MIGIWA contains the active ingredient ipflufenquin, also known as KINOPROL. This novel chemistry is the first and only fungicide with the Group 52 mode of action, making it a valuable addition to strawberry fungicide programs.

Its mode of action stops nucleic acid metabolism via the inhibition of dihydroorotate dehydrogenase within *de novo* pyrimidine biosynthesis (DHODHI). MIGIWA attacks the primary hypha that enters the plant, impeding the production of the pyrimidines thymine, cytosine and uracil. This inhibition process prevents further hyphal growth and spore formation.

A suspension concentrate, MIGIWA has superb crop safety and provides systemic-translaminar activity with 7–10 days protection and a one day withholding period. MIGIWA is a highly compatible fungicide that mixes readily with water.

### Features

- Excellent and reliable grey mould control
- Group 52 fungicide – New mode of action
- Suitable for IPM
- Superb crop safety
- Low use rates
- One day withholding period

### Safety to Beneficials

MIGIWA is compatible with IPM programs. In laboratory tests, it was non-toxic to beneficial species including predatory mites, bees and parasitic wasps.

### Flexibility of Use

MIGIWA has a low use rate and excellent environmental profile when used as directed. MIGIWA has a zero-day re-entry period and a one day withholding period prior to harvest. This allows growers the flexibility to continually scout or harvest at short notice in response to market opportunities.

### Application

MIGIWA should be applied through a calibrated boom sprayer to ensure thorough, even coverage. Choose nozzle types and pressures to deliver a MEDIUM size droplet according to ASAE specifications. Use the dilute rate of 25 mL/100 L of water when spray volume is 1000 to 1200 L/ha or 250 mL/ha when spray volume is less than 1000 L/ha. Increase water volume as the crop grows to ensure that thorough coverage is maintained. If using knapsack application for strawberries use the dilute rate (25 mL/100 L) when calculating spray tank volume, spray up to the point of run-off.

### Compatibility

MIGIWA has demonstrated physical compatibility with a wide range of commonly used plant protection products, however not all products have yet been tested. For updated information please refer to [agnova.com.au](http://agnova.com.au)

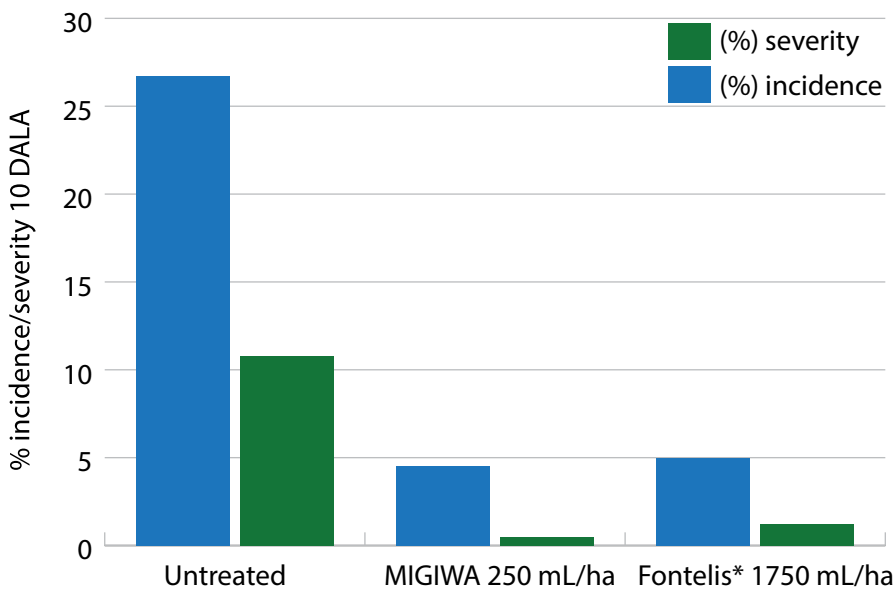
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## MIGIWA provides Consistent, Robust Disease Control

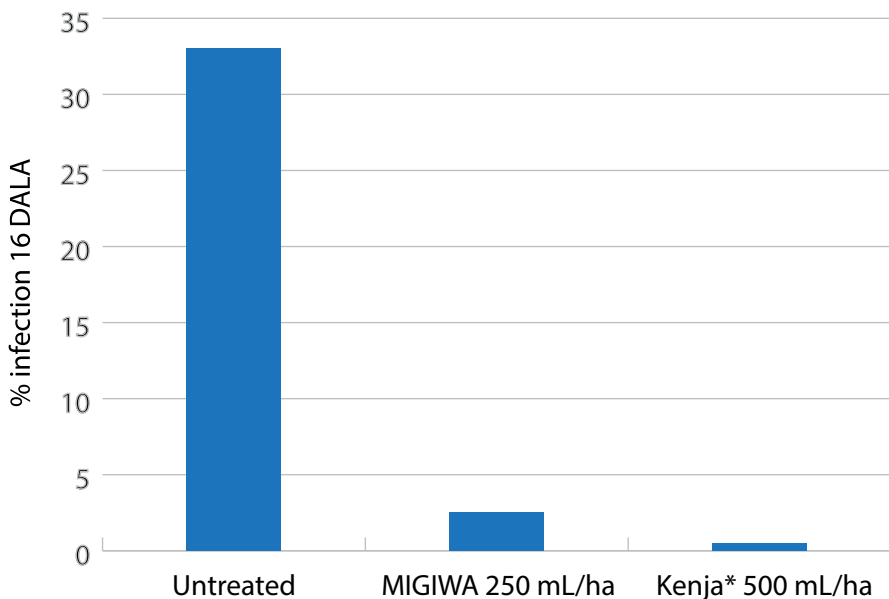
### Strawberry - Grey Mould (Queensland)

Report: 055-18-E8-20-471



### Strawberry - Grey Mould (Victoria)

Report: 055-18-E8-20-458



## Australian Trial Results

MIGIWA has been widely tested in Australia in each of the major strawberry growing regions. The trials were conducted in both field and protected cropping situations. In these trials, MIGIWA gave excellent, robust control of grey mould caused by *Botrytis cinerea*. When applied at 250 mL/ha (concentrate) or at 25 mL/100 L (dilute), MIGIWA was equivalent to commercially available products for grey mould control.

## Timing

MIGIWA should be applied as part of a protectant fungicide program when conditions are conducive for disease development and before disease symptoms are visible. Follow each MIGIWA application with fungicides from different mode of action groups, such as Kenja\* 400 SC (Group 7), in accordance with the label directions of those fungicides.

## Fungicide Resistance Strategy

MIGIWA use should be limited to three non-consecutive applications per fruiting season (strawberries). Follow CropLife Australia resistance management strategies for grey mould in strawberries to reduce the risk of fungicide resistance developing.



Grey mould

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## Directions For Use

CROPS	DISEASE	RATE	WHP	CRITICAL COMMENTS
Strawberries (field and protected cropping)	Grey mould ( <i>Botrytis cinerea</i> )	Dilute spraying: 25 mL/100 L  Use when spray volume is 1000 to 1200 L/ha  OR 250 mL/ha  Use when spray volume is less than 1000 L/ha  Do not apply volumes less than 500 L/ha	1 day	<p>Reduce background levels of disease by removing infected plant debris and/or rotted fruit throughout the season.</p> <p>A fungicide program for the control of Botrytis should commence early before disease appears.</p> <p>Apply MIGIWA® KINOPROL® ACTIVE before first sign of disease or when conditions are conducive to disease development as part of a disease management program. Apply sprays at 7 to 10 day intervals. Use the shorter intervals under conditions favouring disease infection.</p> <p>To ensure thorough spray coverage of the crop, apply to the point of run-off targeting foliage, flowers and fruit. As the crop grows, the required dilute spray volume will change and the sprayer setup and operation may also need to be changed.</p> <p>Do not apply MIGIWA as consecutive sprays or apply more than 3 sprays per fruiting season, and follow the CropLife Australia resistance management guidelines.</p>

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



**The information provided herein may include extracts from the product label and does not constitute the complete directions for use. READ THE PRODUCT LABEL THOROUGHLY BEFORE OPENING OR USING MIGIWA**

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