



THE NEW TOOL FOR

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# HEALTHY

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## TURF

**6**  
**WEEKS**  
RESIDUAL  
ACTIVITY  
ON BROWN  
PATCH

**21**  
**DAYS**  
MATCHES  
MARKET  
LEADER ON  
DOLLAR  
SPOT

- New active for turf
- Unique mode of action
- Group curative control capabilities
- Strong on brown patch
- Reliable on dollar spot

 **SUMITOMO CHEMICAL**

*Creative Pest Solutions*

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Shiba is a Group 14 fungicide, presented as a SC liquid formulation, registered for use in turf for the control of brown patch (*Rhizoctonia solani*) and dollar spot (*Sclerotinia homoeocarpa*).



## How does Shiba work?

Shiba contains the Group 14 fungicide, Tolclofos methyl. It is a contact fungicide possessing both preventative and curative action and acts by inhibiting phospholipid biosynthesis, which prevents pathogen spore germination and mycelium growth.

## How to use Shiba

### The Quintozene alternative

The active ingredient in Shiba, Tolclofos methyl, is a new active ingredient to the Australian turf industry, but has many similarities to Quintozene, a mainstay of the industry for years. With the withdrawal of Quintozene products from the Australian market, Shiba fungicide is a suitable alternative, delivering many of the same benefits but with the advantage of Shiba being an easy to use liquid SC formulation.

### Improved rotation of fungicide groups

Shiba Fungicide offers a different mode of action to other fungicides currently used in the turf market. As a result, it provides great flexibility when rotating between different fungicide mode of action groups in brown patch and dollar spot control programs.

Product	Active Ingredients	Mode of action group
Shiba Fungicide	Tolclofos methyl	14
Headway Maxx	Azoxystrobin Propiconazole	11 and 13
Heritage Maxx	Azoxystrobin	13
Dedicate	Trifloxystrobin Tebuconazole	11 and 13
Banner Maxx	Propiconazole	3
Bayfidan	Triadimenol	3
Rovral	Iprodione	2

### Curative control

Apply two treatments 14-21 days apart. Use the higher rate and shorter interval under conditions of severe pressure.

### Preventative programs

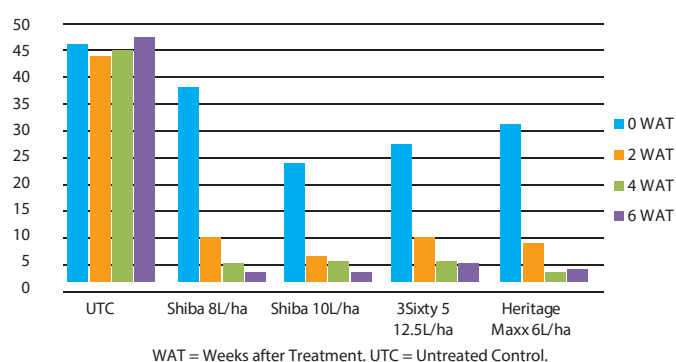
Apply a maximum of two sprays during any one season in a monthly spray program that includes fungicides from a different mode of action group.

### Renovation programs

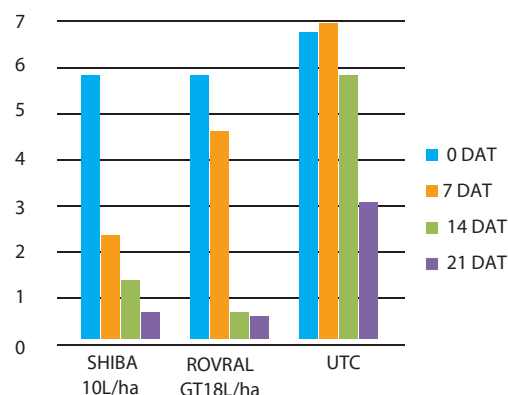
Unlike some other fungicides, Shiba has no effect in regulating plant growth. Its strength on *Rhizoctonia* and brown patch related diseases, makes it an excellent option for use during renovation activities. It also allows you to keep your other big guns (Group 11 fungicides) up your sleeve for the key periods in December to February where you require a broader fungicidal protection.



## Performance Summary



The above trial highlights the excellent curative control of brown patch (*Rhizoctonia solani*) and persistent fungicidal activity providing up to 6 weeks following treatment.



The above trial highlights excellent curative control of dollar spot with Shiba over a 21 day period.

### Extra strength on brown patch

Research both in Australia and in other countries indicates that Shiba has excellent activity, reliability and residual properties in controlling the *Rhizoctonia* genus (brown patch family). Shiba Fungicide has proven curative control capabilities on brown patch as well as being very efficient from a preventative / protectant perspective.

### Reliable dollar spot control

Research in Australia and the United States indicates that Shiba Fungicide has reliable activity on dollar spot. With confirmed reports of DMI (Banner, Bayfidan) and Dicarboximide (Rovral, 3Sixty5) fungicide resistance on dollar spot in the US turf market, there are reports of similar issues occurring in Australia. Shiba's unique mode of action on the dollar spot pathogen offers a new, unique tool in the fight against this persistent disease.





Shiba fungicide provides turf managers with a unique tool to tackle brown patch and dollar spot problems. With a unique mode of action, delivering both curative and preventative performance, it can be utilised as both a frontline fungicide product and ideal product for rotation in a programmed approach.



## Key benefits of using Shiba

- Curative and preventative control
- Excellent tool for resistance management
- New fungicide for turf market
- Unique mode of action (Group 14)
- Ideal for use during Spring renovation
- Easy to use (SC liquid formulation and schedule 5 product)

## Shiba at a glance

Use	For control of brown patch ( <i>Rhizoctonia solani</i> ) and dollar spot ( <i>Sclerotinia homoeocarpa</i> ) in turf
Active Ingredient	Tolclofos methyl
Mode of Action	Group 14
Formulation	Suspension concentrate
Pack Size	5L
Rate	80ml - 100ml/100m <sup>2</sup>
Application notes	Maximum of 2 application in a season

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