

# SHIBA

F U N G I C I D E

Now registered  
for use on

8

DIFFERENT  
DISEASES

# RESISTANCE IS FUTILE



## DISEASE CONTROL WITH A DIFFERENCE

(UNIQUE MODE OF ACTION - GROUP 14)

Great rotation  
option in programs

Ideal for use during  
spring renovations

 **SUMITOMO CHEMICAL**

*Creative Pest Solutions*

SUMITOMO-CHEM.COM.AU



Shiba is a Group 14 fungicide, presented as a SC liquid formulation, registered for both curative and preventative control of brown patch, dollar spot and a range of diseases in turf.

## 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 quintozone alternative

The active ingredient in Shiba, tolclofos methyl, is a new active ingredient to the Australian turf industry, but has many similarities to quintozone, a mainstay of the industry for years. With the withdrawal of quintozone 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.

### Curative and preventative action

#### 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.

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

### Improved rotation of fungicide groups

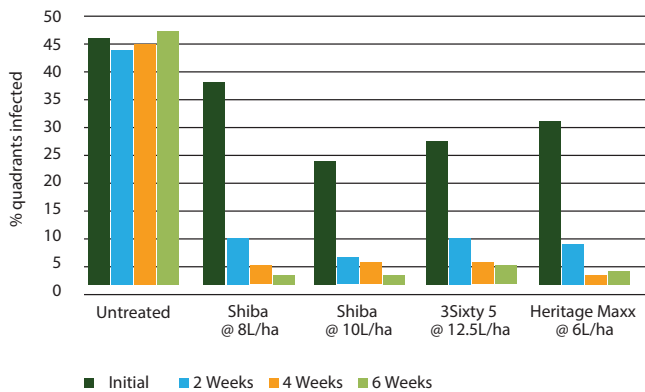
Shiba Fungicide offers a different mode of action to other fungicides currently used in the turf market. As a result, it provides great flexibility when rotating between different fungicide mode of action groups in brown patch and dollar spot control programs.

### 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.



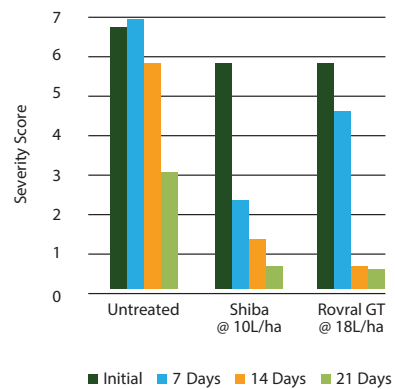
## Performance Summary



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

### Extra strength on brown patch

Research both in Australia and in other countries demonstrates 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.



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

### Strong, reliable dollar spot control

Research in Australia and the United States demonstrates 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.



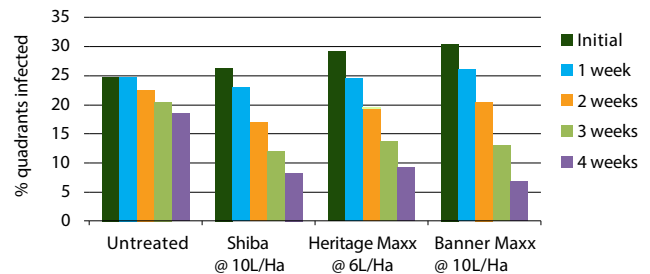


Shiba fungicide provides turf managers with a unique tool to tackle a wide range of turf diseases. With a unique mode of action, delivering both curative and preventative performance, it can be utilised as both a frontline fungicide product and ideal product for rotation in a programmed approach.

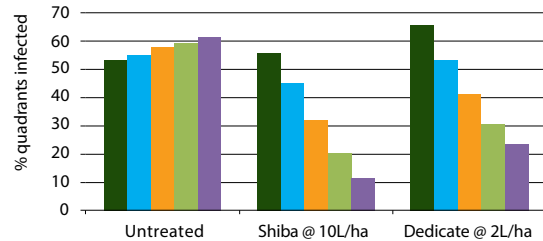
### Diseases controlled by Shiba

- Brown patch (*Rhizoctonia solani*)
- Dollar spot (*Sclerotinia homoeocarpa*)
- Anthracnose (*Colletrichum graminicola*)
- Helminthosporium
  - *Bipolaris* spp.
  - *Drechslera* spp.
  - *Exserohilum* spp.
- Winter fusarium - *Fusarium nivale*
- Curvularia leaf spot - *Curvularia* spp.
- Grey leaf spot - *Pyricularia grisea*
- Fairy ring - *Basidiomycetes* spp.

Performance on Winter Fusarium



Performance on Helminthosporium



### Key benefits of using Shiba

- Curative and preventative control
- Excellent tool for resistance management
- Unique mode of action (Group 14)
- Ideal for use during Spring renovation
- Suitable for use as a rotation product in a programmed approach
- Easy to use (SC liquid formulation and Schedule 5 product)
- For use on 8 different diseases
- Gold standard for brown patch control

### Shiba at a glance

<b>Use</b>	For the control of certain fungal diseases in turf
<b>Active Ingredient</b>	Tolclofos methyl
<b>Mode of Action</b>	Group 14
<b>Formulation</b>	Suspension concentrate
<b>Pack Size</b>	5L
<b>Rate</b>	80ml - 100ml/100m <sup>2</sup>
<b>Application notes</b>	Maximum of 2 application in a season

