

Ideal for use during 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.

Application Information

Situation	Disease	Rate	Critical comments
Turf <i>Cynodon dactylon</i> , <i>Agrostis stolonifera</i>	Brown patch (<i>Rhizoctonia solani</i>)	40 – 50 gai/100m ² (80 – 100mL/100m ²)	<u>Curative program:</u> Repeat treatment after 14 -21 days. Use the higher rate and shorter interval under conditions of severe pressure.
Buffalo grass (<i>Stenotaphrum secundatum</i>)	Dollar spot (<i>Sclerotinia homoeocarpa</i>)		<u>For preventative treatment:</u> 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.



New Active for Turf

Unique Mode of Action Group

Curative Control Capabilities

Strong on Brown Patch

Reliable on Dollar Spot

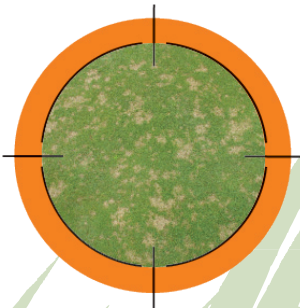


YOUR NEW BEST MATE!

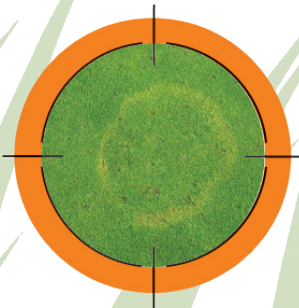
For more information contact your local Nuturf Territory Manager or visit our website at

www.nuturf.com.au.

Email: shiba@nuturf.com.au



Dollar Spot



Brown Patch

What is Shiba Fungicide?

Shiba Fungicide contains the active ingredient Tolclofos methyl (500g/L) and is specifically registered for use in turf for the control of Brown Patch (*Rhizoctonia solani*) and Dollar Spot (*Sclerotinia homeoeocarpa*). **Shiba Fungicide** is a liquid, suspension concentration formulation for ease of use and comes in a 5L pack size.

Key Benefits of Shiba Fungicide

- New Active Ingredient for turf.
- Only Group 14 fungicide available in turf.
- Very strong activity on Brown Patch. Ideal for use during renovation activities.
- Strong curative control capabilities.
- Ideal for rotation management with Group 3 and 11 fungicides.
- New Mode of Action Group for control of Dollar Spot.
- Schedule 5 product.
- SC Liquid Formulation for ease of application.

New Active Ingredient for Turf

The active ingredient in **Shiba**, Tolclofos methyl is a new active ingredient for the Australian turf industry. **Shiba** is a contact fungicide possessing both preventative and curative action. It acts by inhibiting phospholipids biosynthesis, preventing pathogen spore germination and mycelium growth.

Shiba Fungicide - The New Quintozene Alternative

Table 1. Comparison of Shiba v Quintozene Products

Feature	Shiba Fungicide	Quintozene
Mode of Action Group	14	14
Chemical Family	Aromatic Hydrocarbons	Aromatic Hydrocarbons
Contact / Systemic	Contact	Contact
Formulation	SC, Liquid	DG, granule

Shiba Fungicide has many similarities with Quintozene, as the above table outlines. With the withdrawal of Quintozene based products in the Australian market, **Shiba Fungicide** offers a suitable alternative, with the additional benefit of being in a liquid form for ease of use.

Improved Rotation of Fungicide Groups

Shiba Fungicide offers a differing mode of action group to other key fungicides currently used in the turf market. As a result, it provides increased flexibility in rotating between fungicide mode of action groups when targeting Brown Patch and Dollar Spot in a programmed approach. The following table outlines key fungicides used in the control of Brown Patch and Dollar Spot and highlights the unique mode of action that **Shiba** possesses.

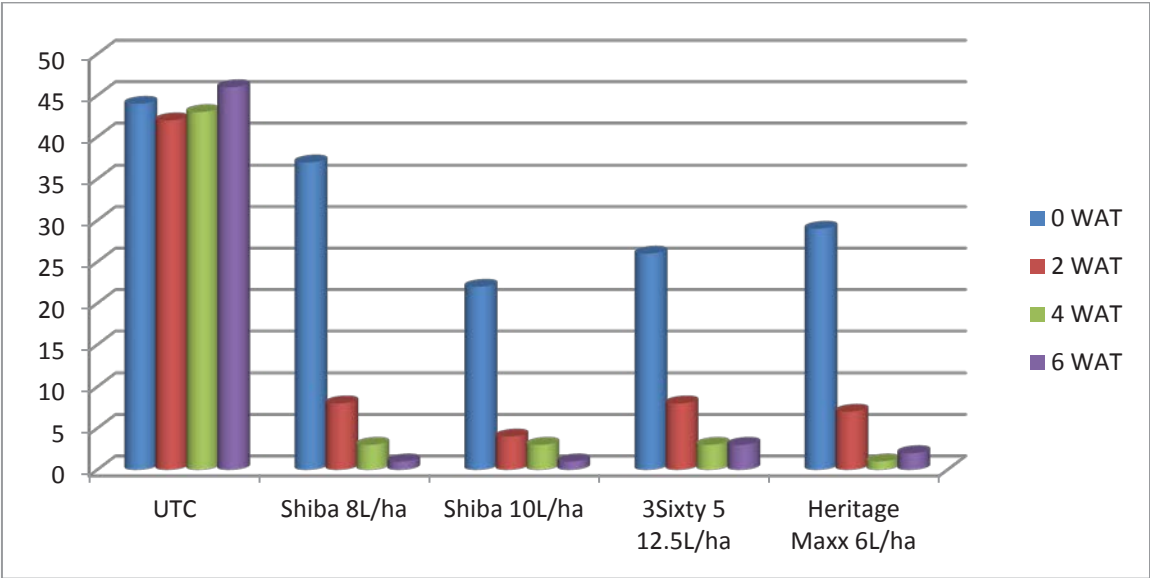
Table 2. Comparison of Key Turf Fungicide Modes of Action

Product	Active Ingredient	Mode of Action Group
Shiba Fungicide	Tolclofos methyl	14
Headway Maxx	Azoxystrobin – Propiconazole	11/3
Heritage Maxx	Azoxystrobin	11
Dedicate	Trifloxystrobin – Tebuconazole	11/3
Banner Maxx	Propiconazole	3
Bayfidan	Triadimenol	3
Rovral GT	Iprodione	2

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.

Figure 1. Trial Results – % Brown Patch Activity, May 2010. Taree, NSW.



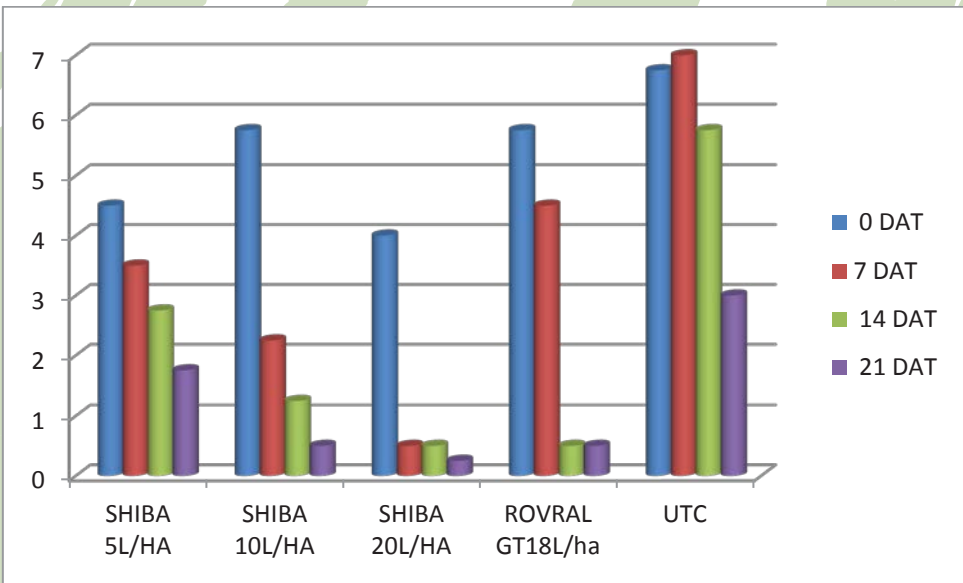
WAT = Weeks after Treatment. UTC = Untreated Control.

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

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.

Figure 2. Trial Results – Dollar Spot Severity, Jan 2006. Muirfield, NSW.



DAT = Days after Treatment. UTC = Untreated Control.

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