

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

# SHIBA®

FUNGICIDE

ACTIVE CONSTITUENT: 500g/L TOLCLOFOS-METHYL

GROUP **14** FUNGICIDE

**For the control of certain fungal diseases in turf.**

## DIRECTIONS FOR USE

### RESTRAINTS

**DO NOT** apply more than two consecutive applications.

### SPRAY DRIFT RESTRAINTS

**DO NOT** apply with spray droplets smaller than a **MEDIUM** spray droplet size category according to

nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

**DO NOT** apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.

**DO NOT** apply during surface temperature inversion conditions at the application site.

SITUATION	PEST	RATE	CRITICAL COMMENTS
Turf	Brown patch ( <i>Rhizoctonia solani</i> ) Dollar spot ( <i>Sclerotinia homoeocarpa</i> )	8-10L/ha (80-100mL/100m <sup>2</sup> )	<u>Early Curative program</u> : Spray as soon as possible after first symptoms are detected. Repeat treatment after 14 -21 days. Use the higher rate and shorter interval under conditions of severe pressure. <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.
	Anthracnose ( <i>Colletrichum graminicola</i> ), Helminthosporium ( <i>Bipolaris</i> spp., <i>Drechslera</i> spp., <i>Exserohilum</i> spp.), Winter fusarium ( <i>Fusarium nivale</i> ), Curvularia leaf spot ( <i>Curvularia</i> spp.), Grey leaf spot ( <i>Pyricularia grisea</i> )	10L/ha (100mL/100m <sup>2</sup> )	A minimum spray volume of 400L/ha is recommended. <b>DO NOT</b> mow or water treated area until turf is thoroughly dry, ideally allow 24 hours.
	Fairy ring ( <i>Basidiomycetes</i> spp.)	10L/ha (100mL/100m <sup>2</sup> )	Good penetration is essential for control of fairy ring. Coring or spiking the turf thatch prior to application will assist penetration. Use of a non-ionic wetter at 0.25% V/V may also assist.

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

## WITHHOLDING PERIODS:

**DO NOT** graze treated areas or feed turf clippings from treated areas to animals including poultry.

## GENERAL INSTRUCTIONS

### Mixing

Add the required amount of Shiba to the partly filled tank with the agitator running and complete filling the tank with water. Do not mix with alkaline water. Continue thorough agitation during spraying and after stoppage. Do not let prepared spray solution sit in spray tank overnight.

## Disease Management Principles

Use of fungicides for management of diseases should always be considered in conjunction with cultural turf management practices to optimize turf health in regard to soil fertility, moisture-holding capacity, drainage and pH. Turf stress will result in sub-optimal disease control from fungicide applications.

Avoid overlapping sprays.

For leaf and crown diseases, application volume should be sufficient to ensure even and thorough coverage of turf leaves and penetration into the crown. Use a minimum of 400L water. For root diseases spray needs to reach the soil zone so higher water volumes and coarse droplets may be required followed by sufficient irrigation (up to 10mm of water) to ensure correct placement.

## FUNGICIDE RESISTANCE WARNING:

### GROUP 14 FUNGICIDE

For fungicide resistance management Shiba is a Group 14 Fungicide. Some naturally occurring individual fungi resistant to Shiba and other Group 14 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 Shiba or any other Group 14 fungicides, thus resulting in a reduction of efficacy and possible yield loss.

Since the occurrence of resistant fungi is difficult to detect prior to use, Sumitomo Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. **DO NOT** contaminate wetlands or watercourses with this product or used containers.

## PRECAUTIONS

Not to be used by equipment carried on the back of the user.

## RE-ENTRY STATEMENT

**DO NOT** enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**DO NOT** allow for public access to treated areas until spray has dried.

## STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

Triple rinse or preferably pressure rinse containers 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 deliver empty packaging for appropriate to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State and Territory government regulations. **DO NOT** burn empty containers or product.

## SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.

When mixing and loading wear cotton coveralls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. When using in enclosed areas wear elbow-length chemical resistant gloves. Ensure adequate ventilation during use. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre Phone Australia 131 126; New Zealand 0800 764 766

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) obtained from Sumitomo Chemical Australia Pty Ltd .

## IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

APVMA Approval No: 66032/113886

Batch No:

Date of Manufacture:

**THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL**

**IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE**

**FOR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 024 973 TOLL FREE - ALL HOURS - AUSTRALIA WIDE**