

Rapidol®

TURF FUNGICIDE

ACTIVE CONSTITUENT: 250 g/L MANDESTROBIN

GROUP **11** FUNGICIDE

For the control of various fungal diseases in turf

GENERAL INSTRUCTIONS

Mixing

Add the required amount of Rapidol Turf Fungicide 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.

Application

Good control requires good coverage. Apply in sufficient volume of water to ensure thorough coverage.

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.

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 regarding soil fertility, moisture-holding capacity, drainage and pH. Turf stress will result in sub-optimal disease control from fungicide applications. Avoid overlapping sprays.

FUNGICIDE RESISTANCE WARNING

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Rapidol Turf Fungicide is a member of the Quinone outside Inhibitor (QoI) group of fungicides. For fungicide resistance management Rapidol Turf Fungicide is a Group 11 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 11 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 this product and other Group 11 fungicides, thus

resulting in a reduction in 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 result from failure of this product to control resistant fungi.

Resistance management strategy

Rapidol Turf Fungicide is best used in a preventative disease control program.

DO NOT apply Rapidol Turf Fungicide more than THREE times per season.

DO NOT apply consecutive sprays of fungicides from the same activity group, unless mixed with a registered fungicide from a different mode of action group with no known resistance.

If consecutive sprays are done of Rapidol Turf Fungicide they must be followed by at least the same number of applications of fungicide(s) from a different group(s) before Rapidol Turf Fungicide is used again.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

Store in the closed original container in a well-ventilated area, as cool as possible, although avoid freezing. **DO NOT** store for prolonged periods in direct sunlight.

Triple-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 disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm 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 or Territory government regulations. **DO NOT** burn empty containers or product.

SAFETY DIRECTIONS

Harmful if inhaled. **DO NOT** inhale spray mist. When opening the container and preparing spray and using the spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. 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.

IN A TRANSPORT EMERGENCY Dial 000 POLICE OR FIRE BRIGADE	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS - AUSTRALIA WIDE
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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: 89251/133933

DIRECTIONS FOR USE

RESTRAINTS:

DO NOT use in the home garden.

DO NOT apply by aircraft

DO NOT apply through any type of irrigation system or ultra-low volume spray system.

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of runoff for at least 3 days after application.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- Minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for boom sprays').

Buffer zones for boom sprayers

APPLICATION RATE	BOOM HEIGHT ABOVE THE TARGET CANOPY	BUFFER ZONES FOR BOOM SPRAYERS			
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas
Up to maximum label rate	0.5 m or lower	0 metres	0 metres	0 metres	0 metres
	1.0 m or lower	0 metres	20 metres	0 metres	5 metres

SITUATION	DISEASE	RATE	CRITICAL COMMENTS
Turf	Brown patch (<i>Rhizoctonia solani</i>) Dollar spot (<i>Sclerotinia homoeocarpa</i>) Anthracnose (<i>Colletotrichum graminicola</i>) Curvularia Leaf Spot (<i>Curvularia</i> spp.) Grey Leaf Spot (<i>Pyricularia grisea</i>) Helminthosporium (<i>Bipolaris</i> spp., <i>Dreschlera</i> spp., <i>Exserohilum</i> spp.) Winter fusarium (<i>Microdochium nivale</i>)	4L/ha (40mL/100m ²)	<p><u>Preventative treatment:</u> Apply a maximum of three sprays during any one season in a monthly spray program that includes fungicides from a different mode of action group.</p> <p><u>Early Curative program:</u> Spray as soon as possible after first symptoms are detected. Repeat treatment after 14 -21 days or alternate in a program with an appropriate product from another mode of action group. Apply a maximum of three sprays during any one season.</p> <p>A minimum spray volume of 400L/ha is recommended.</p> <p>DO NOT mow or water treated area until turf is thoroughly dry, ideally allow 24 hours.</p>
	<p>Root diseases</p> Ectotrophic root infecting fungi (ERI) (<i>Gaeumannomyces graminis</i>) Fairy Ring (<i>Basidiomycetes</i> spp.) Pythium (<i>Pythium</i> spp.)		<p><u>Preventative treatment:</u> Spray after renovation and only when active growth occurs. Apply a second application 1 month later of either Rapidol or another approved product (such as Shiba®). DO NOT apply more than 2 sprays of Rapidol in succession. Apply a maximum of three sprays during any one season</p> <p><u>Early Curative Treatment:</u> Spray as soon as possible after first symptoms are detected. Repeat treatment after 28 days or alternate in a program with an appropriate product. Apply a maximum of three sprays during any one season</p> <p>A spray volume of approximately 1000L/ha is recommended to achieve good penetration. This product should be used as part of a spray program which should be accompanied by management practices which maximize plant health and reduce plant stress (soil fertility and structure, good drainage, neutral pH etc).</p> <p>Good penetration is essential for control of ERI, Fairy Ring and Pythium. 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.</p>

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 TURF OR FEED TURF CLIPPINGS FROM TREATED AREAS TO ANIMALS INCLUDING POULTRY.