



# Regiment 550EC

## Fungicide

*A highly concentrated Propiconazole formulation*

*with reduced solvent loading*

Dollar Spot



### Product Overview

Regiment 550EC is a broad spectrum fungicide containing 550g/L of the active ingredient Propiconazole. It is specifically registered for the control of Spring Dead Spot and Dollar Spot in a range of turf management situations.

Regiment 550EC is also registered for the control of stem rust and Blind Seed Disease in Perennial Ryegrass situations as well as Rust in Boronia grown in ornamental situations.

Regiment 550EC is a low solvent loading formulation.

Regiment 550EC is manufactured in Australia.

### Key Features

- > Highly concentrated form of propiconazole, limiting packaging waste.
- > Low solvent loading in product, limiting cuticle impact on turf and ornamental plants.
- > Reduced odour over some other Propiconazole EC formulations.
- > Systemic movement providing up to 28 days residual control.
- > Economical for large area usage.
- > Provides both curative and preventative activity.
- > Available in 10L drums for ease of handling.
- > Formulated & manufactured in Australia.

### Mode of Action

#### GROUP 3 FUNGICIDE

Propiconazole, the active ingredient in Regiment 550EC is a systemic fungicide that once absorbed by roots and leaves moves upwards within the plant. Regiment 550EC possesses curative, protective and eradicant activity when controlling turfgrass fungi. Regiment 550EC is a Group 3 fungicide. It works in controlling turf pathogens by disrupting the fungi's membrane function.

It is classified as a DMI inhibitor as it stops the demethylation step in the biosynthesis of ergosterol, a vital component of cell walls in many fungi.

Spring Dead Spot





# Regiment 550EC

Fungicide

Formulated in Australia



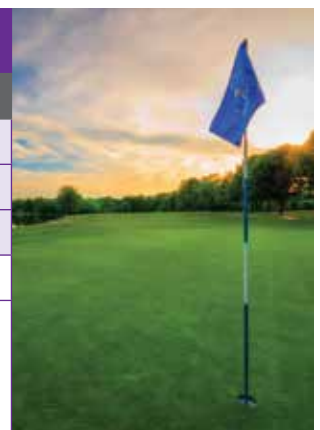
## Regiment 550EC Fungicide – Use Rates

PATHOGEN	APPLICATION RATE	WATER RATE	KEY COMMENTS
Couch Turf in bowling greens, parks and sporting areas	Spring Dead Spot ( <i>Leptosphaeria</i> spp.)	28 mL/100m <sup>2</sup> in up to 150 L water	Apply as a soil drench and water in immediately, ensuring thorough mixing with the soil. Spray in January to March, after renovation and recovery of active growth. Make a second application one month later where infection is severe.  DO NOT renovate treated greens until active growth has recommenced in Spring. DO NOT spray in the Spring/Summer period prior to renovation.  Regiment 550EC may cause bleaching of grass after application in late Summer/Autumn and also produce a greening effect in the following Spring. Couch may be slow to recommence active growth in the Spring, particularly in cooler regions. These effects should be allowed to grow out before treating again.  DO NOT apply more than twice per year.
Bent grass in bowling greens, parks and sporting areas Bent, Queensland Blue Couch grasses in bowling greens, golf greens, parks and sporting areas	Dollar Spot ( <i>Sclerotinia homeocarpa</i> )	14-28 mL/100m <sup>2</sup> in 5 to 20L water	Spray when conditions are warm and humid from September to March. Make a second application 14-28 days later if conditions continue to favour disease development.  Use rates toward the lower end of the range as a preventive program and against light to moderate infection. Use rates towards the higher end of the range and shorter intervals as a preventive or curative treatment when conditions are highly favourable for the disease.
Perennial Ryegrass	Stem Rust ( <i>Puccinia graminis</i> ), Blind Seed Disease ( <i>Gleotinia granigena</i> )	230 mL per hectare	Apply at ear emergence and again at anthesis.
Boronia	Rust ( <i>Puccinia boroniae</i> )	230 to 460 mL per hectare	Apply 2 to 5 applications at 10 to 14 days intervals during the main disease period.  Use the lower rate when application is made protectively before disease occurs.  Use the higher rate when the disease is first observed and when the minimum number of applications are applied.

Product	Solvent Loading	Turf Rate (per ha)	Solvent Output per Hectare (grams)	
			Low Rate	High Rate
Regiment 550	371g/L*	1.4 - 2.8L/ha	519	1038
Prop 500	426g/L*	1.5 - 3.0L/ha	639	1278
Banner Fairway 250	630g/L*	3.0 - 6.0L/ha	1890	3780

\*Information taken from APVMA website – [www.apvma.gov.au](http://www.apvma.gov.au) and product label.

Regiment 550EC puts out 72% less solvent than Banner Fairway and 19% less solvent than Prop 500 per hectare, when used at label rates. The hydrocarbon solvent in the Emulsifiable Concentrate (EC) formulations can interact with the plant's cuticle and may cause damage when applications are made in higher temperatures.



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