



Shrapnel 600SL

Fungicide

*Fast Curative Control &
Reliable Prevention of
Pythium Diseases*

Product Overview

Shrapnel 600SL Fungicide contains 600g/L of the active ingredient Propamocarb Monohydrochloride and is registered for the control of Pythium in a range of turf and ornamental plant applications.

In turfgrass situations, Shrapnel 600SL can provide a fast, efficient curative fungicide for Pythium infection. It can also provide a useful rotational option for preventative control.

In ornamentals, Shrapnel 600SL is a useful preventative and curative fungicide for control of Pythium diseases in containerised plantings, bulk soil treatments or for use in plant establishment activities (seeding, cuttings or seedling operations).

Shrapnel 600SL is formulated in Australia, from imported materials.

Key Features

- > Fast, efficient curative control of Pythium. Absorbed by all plant parts – leaves, roots and stem tissues, making movement into the plant rapid.
- > Soluble liquid formulation – completely water soluble, making the product compatible with most insecticides and fungicides.
- > Unique mode of action – Group 28. Multiple site activity, providing limited potential for resistance to occur. No resistance reported in 20 years of product use.
- > Impacts upon Pythium development at most parts of its lifecycle – Mycelial formation, spore production and germination.
- > Effective residual performance. Provides up to 28 days residual control.
- > Excellent turf and ornamental safety. Registered for use on over 90 ornamental plant species. Safe for use on young seedlings.
- > Convenient 5L pack size, reducing packaging waste.

Mode of Action

GROUP 28 FUNGICIDE

Propamocarb is absorbed by the roots & leaves, and transported upwards in the plant. Once inside the plant, Shrapnel 600SL controls the Pythium fungi by disrupting the formation of fungal cell walls by interfering with synthesis of phospholipids and fatty acids. Propamocarb affects the 3 major stages of Pythium fungal growth and development: mycelial formation, spore production and germination. In comparison to many other Pythium fungicides, Propamocarb (due to its ability to be absorbed by most plant parts and its inherent water solubility characteristics) moves through the plant quickly, providing excellent curative and eradicator control of Pythium.

Pythium spores



Shrapnel 600SL Fungicide – Use Rates & Label Recommendations

SITUATION	DISEASE CONTROLLED	RATE	CRITICAL COMMENTS
Recreational Turf	Pythium, Damping Off	45-65mL/100m ² or 4.5-6.5L/ha	Apply in sufficient water to obtain coverage. Use the lower rate as a preventative treatment. Use the higher rate as a curative or as a preventative treatment during times of high infection pressure. Irrigate immediately following application to position in the rootzone for root targeted applications. Repeat at 3-4 week intervals.
Bulk Soil Treatments		250 to 300mL in 10 to 20L water per cubic metre of soil	Apply to bulk soil for use with pot plants.
Potted plants		1.5mL in 1L water (15mL in 10L water)	Dip young plants prior to potting out. Apply 100mL of mixed solution per 100 to 110mm pot; 150mL per 120 to 130mm pot and repeat at intervals of 3 weeks thereafter. A total number of 3 to 4 applications during the growing season should be sufficient.
Seed growing			Apply 2L of mixed solution per square metre by suitable means e.g. watering can, immediately after sowing and covering.
Pricking-off seedlings into boxes and pots			Apply 2L of mixed solution per square metre by suitable means e.g. watering can and leave until soil mixture surface is dry enough to prick-off.
Treatment of cuttings			Dip cuttings in mixed solution prior to planting. Apply 2L of mixed solution per square metre of soil immediately after setting of cuttings and at intervals of 3 weeks thereafter. A total of 3 to 4 applications during the growing season should be sufficient.

Maximising performance

- > The product is compatible with most insecticides and fungicides. It is not compatible with foliar nutrients. Some of the salts in fertilisers can affect the efficacy of Propamocarb.
- > Shrapnel 600SL can be tank mixed with other fungicides to broaden the disease control spectrum. Some common tank mixes are as follows;
 - Shrapnel 600SL + Voltar 250GT (increases spectrum of curative control to include Brown Patch, Fusarium, Helminthosporium and Dollar Spot.
 - Shrapnel 600SL + Squadron Weatherace increases spectrum of protectant activity to pathogens such as Brown Patch, Dollar Spot.
- > For turf applications, use the higher rate as a curative or as a preventative treatment during times of high infection pressure (Summer months).
- > Shrapnel 600SL is corrosive to metals and spray residues should be washed out of the spray vat and the spray system with clean water immediately after use.
- > Shrapnel 600SL has displayed a wide range of safety to ornamental flowers, indoor plants and shrubs. However, if the compound is used repeatedly at short intervals or if it is employed at increased concentration rates, slight necrotic tipping of the cotyledons or of advanced leaves which have stopped growing, may occur.
- > For soil or rootzone targeted fungicide applications, apply in a heavier water volume (>800L/ha) and irrigate with a minimum of 3mm immediately following application.
- > The product is stable in water at a pH of 5-9.
- > The average soil half life of Propamocarb is around 30 days. For preventative soil applications, ensure there is a significant overlap in high pressure situations to ensure adequate disease protection.
- > Do not graze treated areas or feed lawn (turf) clippings from treated areas to animals, including poultry.



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