

PUMA[®] 250

EC FUNGICIDE



TECHNICAL
BULLETIN

NUMBER

66

What is PUMA[®] 250 EC Fungicide?

PUMA is a fast acting, broad spectrum, highly efficient systemic fungicide which is trusted when controlling Dollar Spot, and other key diseases in turf situations.

PUMA 250 EC Fungicide Mode of Action

PUMA is a fast acting systemic fungicide that is quickly absorbed by plants and is translocated to sites of infection. PUMA possesses curative, protective and eradication action when controlling turf grass pathogens.

PUMA 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 turf pathogens.

Resistance Management

PUMA is a Group 3 Fungicide. The resistance management strategy recommendations for fungicides are to not apply more than two consecutive sprays of fungicides from the same activity group. Turf fungicides within the same mode of action group such as PUMA are as follows: Propiconazole, Tebuconazole, and Prochloraz.

PUMA Application Recommendations

PUMA is applied at 30 mL per 100 m² for preventative control of Dollar Spot, and 60 mL per 100 m² for curative control of Dollar Spot and for all other diseases.

For curative control of Dollar Spot apply high rate under conditions of heavy disease pressure and repeat as necessary.

For the preventative treatment on all diseases apply as a monthly spray.

Depending upon the target pathogen, it is recommended that PUMA be applied in a minimum of 300 L of water per hectare with a medium sized droplet to obtain an even coverage over turf surfaces.

PUMA Environmental Fate & Decomposition

PUMA has a low to moderate persistence in soils. The average half-life in soil is 26 days.

PUMA is very stable in water and does not readily undergo hydrolysis unlike some other fungicide active ingredients. As a result, there is little requirement for tank water treatments prior to using PUMA.

Where to use PUMA

PUMA has been specifically formulated for the safe use on turf grass situations.

PUMA is safe to use in sports turf, recreational turf, amenity or domestic grass situations making it a very versatile fungicide solution.

Key Features

- Broad spectrum of activity
- Particularly effective on Dollar Spot
- Turf specific formulation
- Protects the entire plant
- Excellent turf safety characteristics
- Curative and preventative activity
- Long residual protection on all diseases
- Low hazard to the user and public
- Rapid curative control of turf diseases
- Easy to mix and apply
- Systemic activity provides up to 30 days residual activity
- Less affected by rainfall or irrigation due to systemic properties
- 1 L will treat approximately 1,660 m² at the 60 mL rate

STRENGTH

PRODUCT SPECIFICATIONS

Active constituent:	Triadimenol 250 g/L
Formulation type:	Emulsifiable Concentrate (EC)
Pack Sizes:	1 L 5 L
Use rate:	30-60 mL /100 m ²
Chemical group:	DMI inhibitor
Schedule:	POISON
Claims:	Dollar spot, Black Helminthosporium, Winter Fusarium

GROUP 3 FUNGICIDE

PUMA is a broad spectrum fungicide specifically developed for the control of Dollar Spot, Black Helminthosporium and Winter Fusarium in all recreational turf situations.

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