



Citadel[®]

Effective Systemic Disease Control

Product Overview

CITADEL[®] is a broad spectrum fungicide containing 250 g/L of the active ingredient Triadimenol. It is specifically registered for the control of Dollar Spot, Black Helminthosporium, Take All Patch and Winter Fusarium in all recreational turf situations.

Mode of Action

GROUP **3** FUNGICIDE

Triadimenol, the active ingredient in CITADEL[®] is a systemic fungicide that once absorbed by roots and leaves moves upwards within the plant. CITADEL[®] fungicide possesses curative, protective and eradicator action when controlling turfgrass fungi.

Triadimenol 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.

How to get the best results from CITADEL[®]

To maximise coverage, it is recommended that CITADEL[®] be applied in a minimum of 400 L of water per hectare with a medium sized droplet to obtain an even coverage over the turf surface. For root borne diseases such as Take All Patch, irrigation may be required to place the active ingredient into the rootzone. For generally foliar / crown diseases such as Dollar Spot, Helminthosporium and Winter Fusarium it is recommended to apply on a monthly program in periods of turf growth starting immediately as the disease appears. Use the higher label rate for curative control and the lower rate for preventative control.

For Take All Patch (*Gaeumannomyces* spp.) disease control, best results are obtained by preventative applications following soil fumigation. Apply thoroughly, using high volume equipment, 6–8 weeks after seeding. Repeat applications (at 8 weekly intervals in the first two years) for continued and reliable protection.

Use Rates

Turf: 3–6 L/ha (30–60 mL/100 m²).

DO NOT apply CITADEL[®] earlier than 5 weeks after seeding.



Application Recommendations

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the host plant being sprayed. Set up and operate the sprayer to achieve even coverage throughout the plant's canopy. Apply sufficient water to cover the plant's leaf to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. The required dilute spray volume will change and the sprayer set up and operation may also need to be changed in ornamental situations, as the crop grows and matures.

Compatibility

CITADEL® is compatible with Agridex*, Antracol*, sodium molybdate, white oil, misting oil, water miscible oil. As formulations of other manufacturers' products are beyond the control of Adama Australia Pty. Ltd. all mixtures should be tested prior to mixing commercial quantities. As changes in climatic conditions can alter the sensitivity of plants to mixtures of sprays, Adama cannot be responsible for the behaviour of such mixtures.

Features and Benefits

Features	Benefits
Systemic movement in the plant providing up to a month's control	Excellent Residual performance that protects the plant from the inside out. Less affected by rainfall or irrigation than contact type fungicides
Very effective Dollar Spot Control	Reliability you can trust
Possesses both Curative and Preventative Activity	Fits well into a programmed approach for disease control
Economical for large area use.	Ideal for treating sports fields, fairways, larger turf areas.



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