



For the Control of Pythium in Turf



Mayfair Fungicide

Technical Brief

- Active Ingredient:** 240 g/L metalaxyl-M
- Mode of Action Group** 4 – Phenylamide
- Formulation:** Micro Emulsion (ME)
- Mode of Action:** Systemic with curative and protective action. Disrupts fungal nucleic acid synthesis - RNA polymerase 1. It provides control of fungi from within the plant, Inhibiting fungal growth and reproduction, and protects new growth produced after application.
- Behaviour in Plants:** Metalaxyl-M is a systemic fungicide which is rapidly taken up by the green plant parts (within 30 minutes), and transported upwards (acropetally) in the plant's vascular system to leaf tips.

Benefits

- Mayfair Fungicide stops disease growth and prevents the development of disease within the plant. With its systemic activity, it is:
 - Absorbed into the leaves and stems where it cannot be washed off by rain
 - Absorbed by the roots and translocated throughout the plant
 - Rapid movement into the plant - Can be inside the plant as quickly as 30 minutes
 - Readily taken up by all green plant parts as well as roots - Can be taken up by the plant regardless of how damaged the root system is due to Pythium attack
- Mayfair Fungicide has contact activity. Product remains on the surface of the soil and is absorbed into soil particles and organic matter where it controls pathogens.
- Mayfair Fungicide provides outstanding control when applied preventively as conditions become favourable for Pythium development. Its efficacy and long residual of up to 21 days makes Mayfair Fungicide an excellent choice as part of an agronomic disease management program.
 - The benefits of preventive applications of Mayfair Fungicide include:
 - Enhanced turf quality: Preventive control preserves and enhances turf quality. Once turf has been infected with Pythium, the infected tiller usually dies and needs to be replaced with another plant.
 - Economical: Preventive applications are typically more efficient, since curative applications of fungicides require higher rates at shorter intervals to gain control of the disease.
 - Excellent disease control: With both systemic and contact activity, Mayfair Fungicide is able to stop disease from further germination. It offers root protection as its solubility penetrates the soil for great root density.
 - Micro-emulsion, turf specific formulation - Minimal odour, mixes completely with water, good tank mix flexibility
 - Registered to control all forms of Pythium diseases in turf - Controls Pythium Leaf Blight, Pythium Root Rot and Seedling Damping Off
 - Excellent turf safety. Mayfair Fungicide can be used on all major turf species.
 - Safe for use on young seedlings - Can be safely used for Seedling Damping Off situations.

How to get the most out of your application

- Begin applications before symptoms occur when conditions first favour disease and continue applications while conditions remain favourable for disease development using registered Pythium fungicides.
- Mayfair Fungicide should be used preventively for the control of Pythium diseases. Be vigilant for ideal Pythium conditions such as warm nights (over 20°C) and hot days (over 30°C) combined with high humidity.

Disease Management

Situation	Disease	Rate	Critical Comments
Turf	Pythium Leaf Blight, Pythium Root Rot, Seedling Damping Off (Pythium spp)	1.7 to 3.5 L/ ha or 17 to 35 mL per 100 m2	Apply Mayfair Fungicide in a preventative fungicide program containing fungicides from different chemical groups. Begin applications before symptoms occur when conditions first favour disease and continue applications while conditions remain favourable for disease development using products registered for Pythium fungicides. Apply no more than 2 consecutive Mayfair Fungicide applications at 14 to 21-day intervals for Pythium. Refer to Application section for detailed information.

Note: The above table represents only a modified extract from the full registered label. Always read the full product label before use.

Application

Ensure even application in order to achieve even disease control. Avoid overlapping sprays.

Leaf and Crown Diseases: Application volume for leaf and crown infecting diseases (Pythium Leaf Blight) should be adequate to ensure thorough and even coverage of the turf leaves and penetration to the crowns. Ideal application volume should be 350 to 500 L/ha. Example: For best results use medium [e.g. XR Teejet® (11004 or 11005)] to coarse [e.g. Turbo Teejet® or AIXR Teejet® (11004 or 11005)] nozzles, at 5 km/h and 3 bar-pressure. In higher cut turf (≥15 mm) a significant spray shielding effect can occur, impacting negatively on spray penetration and even coverage at low application volumes.

Root Diseases: Application volumes for root infecting diseases (Pythium Root Rot and Seedling Damping Off) should be as high as possible (approximately 1000 L/ha) to ensure placement close to the soil surface. When lower application volumes are used, washing in should commence as soon as possible after application. Example: For best results use extremely coarse droplets [e.g. Turbo Floodjet® (TF5) or TurfJet® (TTJ10)] and total application volume of approximately 1000 L/ha. Preferably spray onto wet or dewy grass. Irrigate with 6 to 10 mm of water commencing within 1 hour of application.

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Packaging

Pack size: 5 L



Mayfair Fungicide