

Fungicide package

# FP5

Curative and protective  
Systemic and local penetrant action

A unique combination consisting of the dual curative and protective action of **Maxtima**<sup>®</sup> and **Insignia**<sup>®</sup> fungicides, together with **Attraxor**<sup>®</sup> plant growth regulator and **Green Lawnger**<sup>®</sup> TR pigment for all year-round disease management, growth regulation and presentation. Independently and extensively trialled this combination demonstrated significantly improved disease control, turf quality and colour. A tank mix for a reduction of applications and the optimisation of turf quality.

## Microdochium patch

Microdochium patch is the most common and widespread disease in managed amenity turf in the UK, it can be exceptionally damaging.

It is essential that immediate steps are taken to prevent and control an outbreak.

## Dollar spot

Dollar spot is caused by the fungus *Sclerotinia homoeocarpa*, which is becoming an increasing problem in intensively managed turf surfaces. Fescues are particularly susceptible, although it may also be seen in swards dominated by annual meadow-grass.

Turf which is low in nitrogen is not only more susceptible to infection but also takes much longer to recover from dollar spot injury.

## Red thread

A very common turf disease, particularly during the summer months but it can also be widespread at other times. Ryegrass and fescue are particularly susceptible, but it may also be found on other grass species. The disease is associated with low fertility, especially a lack of nitrogen.

## STRI trials

In trials the combination of Maxtima<sup>®</sup> and Insignia<sup>®</sup>, tank mixed with Attraxor<sup>®</sup> and Green Lawnger<sup>®</sup> TR demonstrated improved efficacy and longevity compared to using the two fungicides in isolation.



## Key benefits

- Effective in low temperatures
- Excellent rainfastness
- Enhances presentation
- Fungicide + PGR

## FP5 key information

### Disease controlled

Microdochium patch  
Dollar spot  
Red thread

### Activity

Curative and preventative

### Quantity and products

2 x 1 litre Maxtima<sup>®</sup>  
6 x 250g Insignia<sup>®</sup>  
1 x 1.5kg Attraxor<sup>®</sup>  
2 x 1 litre Green Lawnger<sup>®</sup> TR

### Application rates/ha

1 litre Maxtima<sup>®</sup>  
750g Insignia<sup>®</sup>  
500g Attraxor<sup>®</sup>  
1 litre Green Lawnger<sup>®</sup> TR

### Water volume

300 l/ha

### Timings

J F M A M J  
J A S O N D  
Main application period

### Coverage

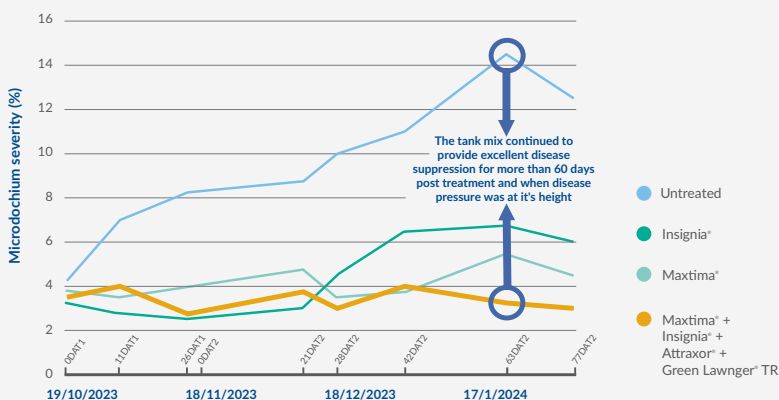
2 hectares

## Tank mixing procedure

Half fill the spray tank under constant agitation, add the required quantity of Maxtima<sup>®</sup>, Insignia<sup>®</sup>, Attraxor<sup>®</sup> and Green Lawnger<sup>®</sup> TR.

Top up the tank with the remaining quantity of water

## Microdochium patch



FP5 fungicide package improved efficacy and longevity compared with fungicides alone.



## Tank-mixing overview

Mixing two or more fungicides and applying them in a single application can have multiple benefits for turf management:

### Disease resistance

By mixing fungicides containing active substances from different mode of action groups the potential for disease resistance to develop is reduced as the target pathogens are attacked on multiple fronts.

### Target pathogens

Different products can be used to target different diseases according to the active substances they contain. By mixing products containing different active substances it is possible to increase the number of diseases that are targeted by a single application.

### Turf quality

Tank mixes can improve turf quality because the diseases present are more effectively targeted. Products such as biostimulants, plant growth regulators, and fertilisers can also be incorporated within the tank mix to further improve the quality of the turf and reduce the time taken for it to recover from disease attack.

### Workload

By combining multiple operations into one spray application workload is reduced.

Before mixing two or more plant protection products it is important to check:

- The products are compatible
- The use of the mix will be within the conditions specified on each label
- There is not a specific label restriction for that particular mix

Always follow the recommendations in the Code of Practice for Using Plant Protection Products and if it is not a manufacturer or distributor recommended mix always use a jar test before tank mixing. A jar test enables you to check for physical compatibility, such as separation, precipitation, or residues, before mixing larger volumes of product.

All fungicide packages recommended by Agrovista Amenity have been tested to ensure physical and chemical compatibility.

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## FP5 consists of:

### Maxtima®

Maxtima® provides turf-safe broad-spectrum disease control powered by an innovative new active ingredient, mefentrifluconazole.

Mefentrifluconazole is a demethylase inhibiting (DMI) fungicide which delivers exceptional performance due to its ability to bind more powerfully to the target site, resulting in long-lasting performance and an improved activity against a wide range of pathogens.

### Insignia®

Insignia® is a local penetrant fungicide containing the active substance, pyraclostrobin. Insignia® provides an effective protective action against a range of turf diseases.

Its translaminar movement across the leaf blade means that the leaf is protected on both surfaces and inside the leaf. Pyraclostrobin targets more stages of a fungal pathogen's life cycle than other quinone inhibitor (QoI) fungicides such as azoxystrobin. It provides effective protection against spore germination and penetration, mycelium growth and against sporulation.

### Attraxor®

Attraxor® provides effective growth regulation of all species of turf grass, making it suitable for improving playing surface quality and reducing workloads through lowering clipping yields.

Attraxor® works by inhibiting the gibberellic acid pathway leading to a reduction in turf height and in clipping yield. The active substance, prohexadione-calcium is activated as soon as it comes into contact with water. This means that activation happens in the spray tank and therefore growth regulation occurs rapidly following the application of the product.

### Green Lawnger® TR

Green Lawnger® TR can be used as a pigment-based colourant and as a visual spraying aid. It is particularly useful for improving the appearance of turf surfaces during the autumn and winter months.

The dark colour of Green Lawnger® TR increases the absorption of solar radiation, leading to elevated surface temperatures. This helps to support early season turf growth and accelerate ice and snow thawing.

Use plant protection products safely.  
Always read the label and product information before use.