



## Football focus for Medallion TL Leaf Spot control

### In Brief

Medallion TL is the exciting new fast acting Contact<sup>+</sup> turf fungicide from Syngenta. Containing fludioxonil, Medallion TL has approval for use against Leaf Spot in stadiums and training pitch turf, along with Fusarium Patch

The Contact<sup>+</sup> activity of Medallion TL controls disease pathogens on the leaf, in the thatch and at the soil surface

Extensive user-trials in football and rugby stadia have highlighted the performance of Medallion TL against Leaf Spot to maintain better turf surfaces



### Core Recommendations



#### Application rate

3.0 l/ha  
Maximum four applications per year

#### Key use timing

Medallion TL has no restriction on the period of use

#### Where to use

All managed turf and amenity grassland, including stadia pitches, practice grounds, all areas of the golf course and other sports turf

#### Water volume

Label water volume is 125–500 l/ha

#### Application technique

All types of spray equipment  
– tractor mounted/trailed; walk-behind; knapsack

#### LERAP

B

#### Packaging

3 litre S-pac (foil free, easy pour, quick clean design)

### Medallion TL user trial experience

#### Manchester City FC

City of Manchester Stadium Head Groundsman, Lee Jackson, reported excellent performance with Medallion TL during a period of particularly high disease pressure and bad weather, with over six weeks control and no sign of Leaf Spot disease.

*“Particularly bad weather after the Medallion application meant we had to use the heating system and lighting rigs, which can trigger Leaf Spot attacks. However, during this time we did not see any disease for six weeks before further preventative treatment.”*

#### Coventry City FC

Ricoh Arena Head Groundsman, John Ledwidge, highlighted that Medallion TL treatment at the first signs of Leaf Spot very quickly cleared up the existing infection, and no signs of disease returning over four weeks later.

*“We found Medallion TL was very clean and easy to use, with no signs of spray on the leaf after treatment. We had a fantastic, very effective result in treating Leaf Spot.”*

#### Celtic FC

Celtic Park Head Groundsman, John Hayes, pinpointed the very fast control of Leaf Spot infection and the long-lasting protection of Medallion TL as being especially valuable.

*“We had quite bad Leaf Spot disease across most of the playing surface. Medallion TL controlled the disease very quickly and continued to protect the surface from disease for a number of weeks after application. Disease continued to develop and damage turf on the control areas behind the goal posts that were not treated.”*

# Leaf Spot disease focus

Leaf Spot infection results in unsightly yellowing of turf. Where infection persists melting out occurs, with weakened patches of turf susceptible to damage and wear during play.

High humidity and restricted air-flow makes stadium turf especially vulnerable to Leaf Spot attack, with the combination of irrigation, under-soil heating and the use of lighting rigs creating high risk conditions throughout the year.



A complex range of disease pathogens are responsible for Leaf Spot, including *Dreschlera* spp.

## High Risk situations

- Mild-warm temperatures – around 20°C – initiate disease. As the temperature increases, blighting and melting out occurs
- Wet leaves and high humidity
- Excess nutrition
- Cutting heights lower than recommended for the grass species
- Excessive thatch

## Leaf Spot ITM

- Removal of excess thatch and raising mowing height can reduce occurrence of Leaf Spot infection as part of an Integrated Turf Management programme
- Manage irrigation scheduling to minimise prolonged periods of wet leaves
- Manage fertiliser inputs to encourage moderate, strong turf growth
- Employ regular aeration to relieve compaction and maintain drainage rates

## Leaf Spot treatment timing

To maintain optimal turf quality Medallion TL should be applied during periods of high disease risk and before the plant becomes infected.

Ideally apply at a water volume of 250–300 l/ha using the Syngenta Turf Foliar Nozzle.

## Key Tips

The Contact® activity of Medallion TL controls disease pathogens on the leaf, in the thatch and at the soil surface

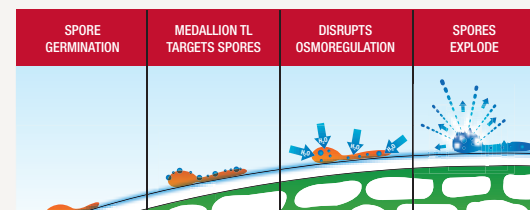
Tackling disease pathogens in the thatch reduces spore numbers, lowers disease pressure and minimises the risk of spore spread with irrigation – enhancing the duration of protection delivered

Medallion TL was bio-inspired by a naturally occurring antifungal compound of soil bacteria. It will control selected turf disease pathogens, but leave soil microbes with different membrane protein structures unaffected

Laboratory trials data has shown that Medallion TL rapidly bonds onto the leaf wax layer – making it rainfast within one hour and creating a protective shield on the leaf surface

## Fast explosive activity

Medallion TL has an exciting new mode of action for turf that triggers treated disease spores to rapidly absorb water, to the point where they quite literally explode.



This happens so quickly there is no time for the spores to infect the leaf, thus preventing damage and reducing subsequent threat of infection – to maintain turf health and surface quality.

To see how the explosive activity of Medallion TL works watch the video on GreenCast:

[www.greencast.co.uk](http://www.greencast.co.uk)

 **Medallion<sup>®</sup> TL**  
Fungicide

 **syngenta<sup>®</sup>**

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