



Defender



- * Ideal as part of an integrated disease management programme
- * Gives broad spectrum fungal disease control including Fusarium Patch and Red Thread
- * Displays both preventative and curative activity due to its mesostemic mode of action
- * Fungal control still effective under cold conditions (not frost)
- * Excellent rainfast properties provide maximum effectiveness

Application rates

Equipment	Defender	Water Volume	Area
Vehicle Mounted Hydraulic Sprayer	700g	400-500 litres	1 ha
Knapsack Sprayer	35g	20-25 litres	500m ²

Recommended nozzles e.g. BFS, Hypro, Hardi (guide only)

Equipment	Spray quality	BFS Nozzle		
		Type	Colour	Code
Power Sprayer	Coarse	*WR Flat fan	White	WRFF 08
	Coarse	Air bubble jet	White	ABJ 08
Knapsack (single jet)	Coarse	*WR Flat fan	Red	WRFF 04
	Coarse	Air bubble jet	Red	ABJ 04

See detailed Air Bubble Jet application chart page 50

* WR=Wide Range – These 110° nozzles allow spraying pressures down to 1 bar

Equipment	Spray quality	Hypro Nozzle		
		Type	Colour	Code
Power Sprayer	Coarse	Flat fan	White	F110-08
Knapsack (single jet)	Medium/Coarse	Flood jet	White	DT 4.0

Equipment	Spray quality	Hardi Nozzle		
		Type	Colour	Code
Power Sprayer	Coarse	Flat fan	White	F110-08
Knapsack (single jet)	Coarse	Flat fan	Red	AN 2.4

Contains: 500g/kg (50% w/w) trifloxystrobin

MAPP No: 14065

Pack size: 700g

Pack coverage: 10,000 sq.m (1ha)

RT order code: 0633131/700

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

HOW MASCOT DEFENDER WORKS

Mascot Defender is a strobilurin based fungicide that displays both protective and some curative activity against Fusarium Patch and Red Thread and can be used in a variety of amenity turf situations. It has good rainfast properties and once dry on the leaf subsequent rainfall will not diminish its activity.

Trifloxystrobin belongs to a family of fungicides called the strobilurins and has a mesostemic mode of action, offering multiple benefits in terms of its distribution around the plant:

Protects new growth: Though not transported within the xylem of the plant it still has local penetrant movement.

Long lasting control: It is strongly attracted to lipids and so binds more easily to the cuticle and waxy layer of the plant leaf, so providing good rainfast properties.

Excellent coverage: Can move by both vapour activity and surface moisture, so is re-distributed around the application point and also away from it.

Translaminar properties: Can move across the leaf blade giving disease control on the opposite side of the leaf from where it has been applied.

Trifloxystrobin acts by inhibiting mitochondrial respiration, blocking electron transfer in the electron transport chain and consequently the pathogen is unable to produce the energy required to function.

The best form of defence is attack!



HOW TO APPLY MASCOT DEFENDER

Mascot Defender, a water-dispersible granule, is designed to control Fusarium Patch (*Microdochium nivale*) and Red Thread (*Laetisaria fuciformis*) on established turf, including golf courses, institutional, commercial and residential lawns, sportsfields, parks, municipal grounds and cemeteries. It displays both protective and some curative activity.

Apply Mascot Defender as a preventative treatment at the first sign of disease. If grass is being mown it should be applied after cutting, and further mowing should not take place until at least 48 hours after treatment. Do not apply to frozen turf or during drought conditions.

Do not apply more than two applications of Mascot Defender per year. Do not apply sequential applications of the fungicide. Alternate with a fungicide having a different mode of action. Read product label before use.

Apply as a medium/coarse spray as recommended by the BCPC system.

Always check manufacturer tables for current recommended nozzle choices before applying the product.