



Exteris™
Stressgard®

Frequently Asked Questions

1st
IN TEN
YEARS

for the turf
industry

NEW
A.I CHEMICAL
GROUP





Exteris[™] Stressgard[®]



What is Exteris Stressgard and what does it control?

A. Exteris Stressgard is the first combination SDHI (succinate dehydrogenase inhibitor) fungicide to be launched into the UK turf market. It's uniquely formulated for the treatment of Microdochium patch and Dollar spot, with the added benefit of promoting plant health as a result of the Stressgard Formulation Technology, in a single solution.



What is an SDHI fungicide?

A. One of the active ingredients - Fluopyram - in Exteris Stressgard is an SDHI fungicide. This is a completely new chemical group. The addition of this new group to the turf fungicide market gives more rotation options for turf managers to control disease and is vital for reducing the risk of resistance, when used as part of an integrated disease management programme.



What's so good about Exteris Stressgard?

A. There are two main factors that make Exteris Stressgard a game changer in turf disease management. It contains an SDHI - which is the first new chemistry in the turf market for almost a decade. The real difference with this fungicide lies in the formulation. It contains two combined active ingredients, the SDHI – fluopyram (new chemistry) and the other is trifloxystrobin - part of the strobilurin group - which is a robust, tried and tested, proven control.

The combination of these two active ingredients with Stressgard Formulation Technology improves the spectrum of disease control.



What is the mode of action?

A. Exteris Stressgard is a systemic fungicide, this means it's absorbed into the plant tissue and offers some after-infection protection.

However, the benefits of this product are enhanced because there are two active ingredients, with two different modes of action. The SDHI active, fluopyram, is an acropetal penetrant that forms a protective barrier on the leaf and permeates into it, moving upwards in the plant's xylem (water channel) to the tip of the leaf. The active ingredient, trifloxystrobin, is mesosystemic (local penetrant) which also forms a protective barrier on the leaf surface and penetrates the leaf where it's deposited, so that targeted control can be achieved. The combination of these two specific modes of action mean that control is highly effective and long lasting.



What is Stressgard Formulation Technology?

A. Stressgard Formulation Technology refers to the way the product is formulated. It enhances plant health, so that the turfgrass can fend off disease better. A key benefit is that it's proven to increase the chlorophyll content, which promotes photosynthesis, and this is important at times of the year when disease pressure is high and daylight hours are reduced. Other key benefits of Stressgard Formulation Technology are:

- Improved turf health and playability
- Improved colour
- Drought stress reduction
- UV stress management
- Leaf-cote technology enhanced adhesion and spread of the droplet on the leaf



Where can I apply Exteris Stressgard?

A. Exteris Stressgard can be applied to all sports turf.

Q. How does Exteris Stressgard fit into my disease control programme?

A. As a brand-new fungicide group and therefore mode of action, Exteris Stressgard is a key **rotational partner** in any integrated disease management programme.

Q. What time of the year should I be treating with Exteris Stressgard?

A. Exteris Stressgard can be applied at any time of the year, but the optimum time to apply the product is preventatively, when disease risk is high. This is through the autumn months, when the grass is actively growing, moisture levels are high and light levels are low.

Q. What do I need to know before applying Exteris Stressgard?

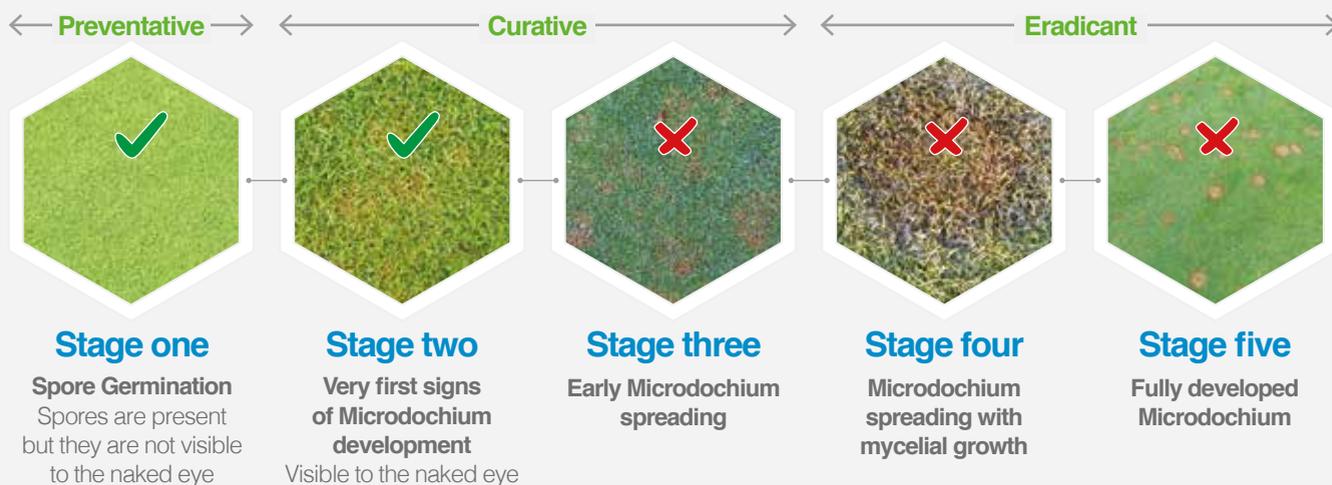
A. The table below provides key application details for Exteris Stressgard.

Active ingredients	Dose rate	Water volume	Diseases treated	Application interval	Applications per year
Fluopyram 12.5g/L Trifloxystrobin 12.5g/L	10L/ha	200 - 600 L/ha	Microdochium Patch Dollar Spot	14 - 28 days	2

Q. Should I use Exteris Stressgard as a curative or preventative treatment?

A. Exteris Stressgard has both preventative and early curative activity against Microdochium patch and preventative and curative activity against Dollar spot. The best, most consistent control is always achieved when treatments are applied on a preventative basis.

Exteris Stressgard stages of application for Microdochium patch



Photographs courtesy of STRI.

Q. Can I tank mix Exteris Stressgard with other products safely?

A. Yes. Exteris Stressgard is a suspension formulation that is compatible in most tank mixes (always test compatibility if unsure).

Q. Do I need to apply a pH buffer with this product?

A. For most situations no, as Exteris Stressgard has a pH buffer already built in. However, if you have a water supply with a pH below 5 or above 8 please contact the Bayer Turf Solutions team for further guidance.



What water rate should I use?

A. Exteris Stressgard can be applied using a variable water rate of 200 – 600 litres per hectare. The optimum rate will depend on the course's individual situation, but in general approximately 400 litres per hectare is suitable for most uses.

Taller grass tends to have a thicker canopy, so a higher water rate will be needed to penetrate this. It will also depend on the disease being targeted, for example Microdochium patch only affects the leaf tissue, so the fungicide will not need to reach the soil, meaning a lower water volume can be used.

Benefits of reduced water volumes include:

- Fewer tank fills at lower rates
- Quicker application times
- Lower weight of application equipment reducing compaction



What recommendations can you give me for tank filling?

A. Occasionally foaming can occur when tank filling, and is normally due to environmental factors, specific to the spray tank. To overcome this an anti-foaming agent can be added if desired, or the product can be added into the tank when it is three quarters full, rather than half, topped up with water and then agitated for longer. This will ensure uniform mixing of the fungicide.



Can you recommend any key application techniques/considerations?

A. All sprayers now have to be tested by law, so greenkeepers and groundsmen must make sure that the correct tests have been carried out by an NSTS approved test centre, as this will ensure that the spray equipment is not faulty.

Bayer recommends using air induction nozzles when applying Exteris Stressgard, as they have been proven to produce uniform droplet size and consistent coverage on the leaf.



How long until Exteris Stressgard is rainfast?

A. Trials have shown it can be rainfast in 30 minutes, but certainly within one hour.



What does “rainfast” mean?

A. Rainfast means that a product cannot be washed away from the leaf by rain, this does not necessarily mean that the droplets have dried, and Exteris Stressgard can be rainfast while still wet.



Where can I purchase it from?

A. Headland Amenity and Rigby Taylor are exclusive distributors of Exteris Stressgard. All the sales staff have been fully trained on the product by Bayer and have an extensive knowledge of the technology, so are well placed to answer any technical questions.

Turf Solutions

Backed by **Bayer**

Contact the Turf Solutions team with your questions at turfsolutions@bayer.com or on 00800 1214 9451.

Distributed by:



Tel: 0800 424919

Web: www.rigbytaylor.com



headland
AMENITY PRODUCTS

Tel: 01223 491090

Web: www.headlandamenity.com