# **Anthracnose** risks rising

Rising temperatures could trigger damaging Anthracnose attacks on turf quality again this summer. A number of the stress factors that increase the frequency and severity of Anthracnose outbreaks - including heat, drought and nutrient deficiency - have become more pronounced in recent seasons.

Anthracnose (Colletotrichum graminicola) is the second most common disease on turf and widespread across the UK. The problem has been getting progressively worse in recent years.

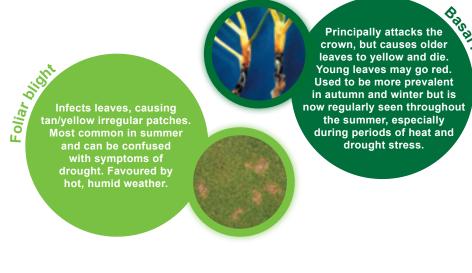
### **Anthracnose issues:**

Possible reasons for increased

- Higher average summer temperatures favour aggressive attacks
- Deficient nutrient levels
- increase susceptibility Lower cutting heights
- add stress on plants Greater player demands quickly
- highlight surface quality loss

Anthracnose can occur as Basal rot in cool, wet weather through late autumn and winter, but in summer it's the Foliar blight infection that gives rise to irregular patches of tan-yellow infection which affect surface playing quality, and can result in extensive die-back with bare patches. One of the main issues for identification and control is

that the summer symptoms of disease can be confused with drought stress on plants. By the time watering has been tried and the turf is still dying, it's too late for control. In fact, surface watering affected turf will raise humidity that can make the situation worse. ------

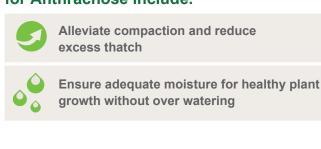




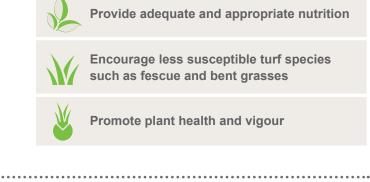
### Stress related disease

Key to preventing Anthracnose attack is to minimise stress on the plant. The underlying populations of disease pathogen, which are present in most thatch layers and at the base of turf plants, can quickly flare up when turf is stressed.

#### **Integrated Turf Management options** for Anthracnose include:



Pre-stress conditioning



Pre-stress conditioning aims to build up reserves within plants that enable them to better withstand stressful periods which can be a precursor of Anthracnose attack. Trials have shown beneficial effects of pre-stress conditioning with Primo Maxx include increasing the root mass, building up plant reserves and promoting turf health and quality.

Greenkeepers also report the enhanced turf density of Primo Maxx treated turf enables them to raise cutting height, by 0.5 to 1mm, whilst still maintaining green speed, improved smoothness and better consistency through the day. This clearly meets the demands of today's players for surface quality, and alleviates stress on the plants that would reduce susceptibility to Anthracnose.

### Water management

Anthracnose will develop faster in humid conditions, with possibly the worst scenario being a wet thatch layer in hot weather; aeration to remove thatch and improve air flow is important. Additionally, using the new Qualibra wetter and water management technology will help to move water away from the surface, to maintain a firm playing surface, and hold the soil moisture deeper and more evenly through the soil profile.

Holding water deeper and evenly facilitates more efficient irrigation scheduling using less frequent deep watering, which can reduce Anthracnose risk. Roots also grow more effectively in the deep areas of water retention, to reduce stress and promote turf health.

### Nutrient supply Nutrient deficiency is undoubtedly one of the primary precursors on Anthracnose attack. The reduction

Maintaining appropriate balanced nutrient inputs throughout the season is imperative for turf health. New Everris trials have also shown that a fast-uptake liquid fertiliser can give very effective reductions in the incidence of summer Foliar blight Anthracnose. Applying a fungicide during periods conducive to Anthracnose development can help minimise outbreaks and effects on turf quality. Effectively reducing the pathogen population lowers

of fertiliser use in recent seasons may be one of the reasons the disease has become more prevalent.

All Syngenta fungicides are approved for use on managed amenity turf and amenity grassland. Select the most appropriate activity to prevailing weather and turf growth conditions.

Untreated

Greenmaster Liquid

the risk and can enable plants to remain healthy through a stressful period.

18

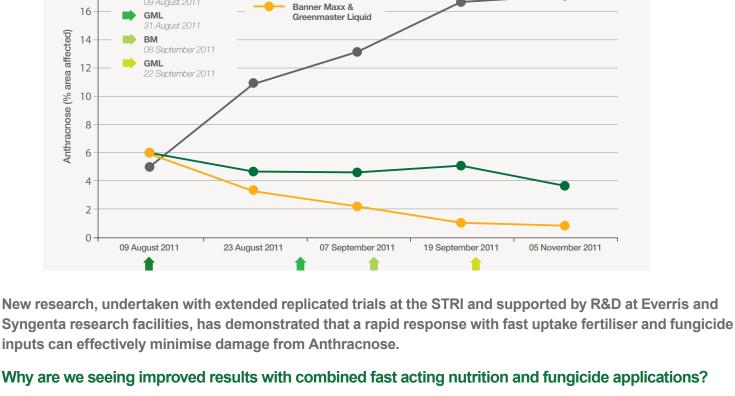
Greenmaster Liquid

Banner Maxx (BM)

(GML) and

09 August 201

Combined action



 A healthy plant with correct nutritional status The formulation technologies of Greenmaster Liquid promotes better uptake of active ingredient and Banner Maxx help both products to

quickly before damage occurs in the turf sward

Mid-July – early August

healthier turf

Providing instant relief of nutritional stress promotes

When disease is active, fast acting products work

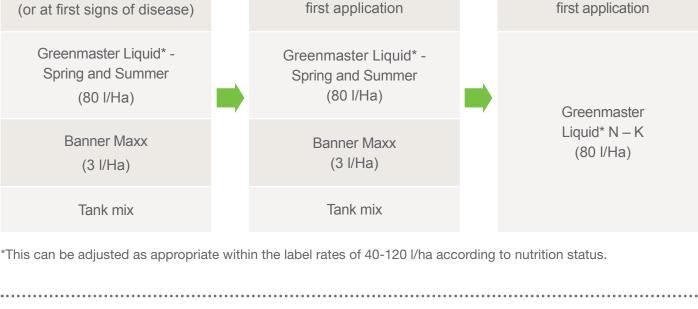
21 – 28 days after

Recommendations timeline

• The two products together improve turf health, including chlorophyll content, turf colour and,

work quickly and more efficiently

ultimately, turf quality



For more information click here to download the latest Turf Science in Action report: An integrated approach to Anthracnose control

35 - 42 days after

 Use weather trends and forecasts to identify potential risk periods Adopt ITM practices to reduce risk



- Alleviate stressful conditions quickly Integrate well-timed fungicide applications starting when conditions are favourable for disease infection, at the very beginning of disease
- symptom expression.

For a free local five-day forecast of impending Anthracnose risk, that can give time to take mitigating action, visit the website: www.greencast.co.uk or www.greencast.ie - which includes further advice and information for Integrated Turf Management disease control.

## syngenta.

Tel: 01223 883400 Fax: 01223 882195 Email: customer.services@syngenta.com Web: www.greencast.co.uk Banner Maxx® and Qualibra® are Registered Trademarks of a Syngenta Group Company. Banner Maxx contains propiconazole. All other brand names used are trademarks of other manufacturers in which proprietary rights may exist. Always read the label and product information before use. For more information including warning phrases and symbols refer to www.greencast.co.uk © Syngenta AG April 2017. GQ07085.

Syngenta Crop Protection UK Ltd. Registered in England No. 849037. CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE.

Distributed in the UK and Ireland by ICL Tel: 01473 201100 Email: prof.sales@icl-group.com Web: www.icl-sf.com

You have received this communication from Syngenta UK Turf and Landscape (which is a trading name of Syngenta Crop Protection UK Limited) because you are in the UK and either (a) you have signed up to receive