



### Impact of dollar spot fungicides on turf quality

Triazole (or DMI) fungicides are known to have a possible adverse effect on turfgrass quality if they are applied to bentgrass in warm weather. This trial was set up to compare turf quality effects of current fungicides with new ones in development.

All fungicides were applied to bentgrass at the University of Sydney's turf research facility in western Sydney four times on a 2 week interval during January and February on the dates shown below.

First application        3/1/2013  
Second application    16/1/2013  
Third application       31/1/2013  
Fourth application     14/2/2013

The fungicides used are shown below. Dedicate, TBZ240 and Propiconazole all contain triazole active ingredients. Interface and C656948 do not contain triazoles.

No.	Fungicide	Active Ingredient	Rate
1	Untreated Control	-	-
2	Interface	Iprodione + Trifloxystrobin	12.5L/ha
3	<a href="#">Dedicate</a>	Tebuconazole + Trifloxystrobin	3L/ha
4	Propiconazole	Propiconazole	10L/ha
5	TBZ240	TBZ240	2.5L/ha
6	C656948	C656948	0.5L/ha

At the field day 50 people we asked to rate the quality of the turfgrass plots without knowing which product was in which plot. The rating scheme was based on a scale of 1 to 9. A score of 9 is regarded as perfect turf and 7 is acceptable.

The average scores and photographs from the 50 assessments are shown on the following page.

Interface Fungicide received the highest score. This is probably as a result of a combination of factors. Interface does not contain a triazole active ingredient and therefore is ideally suited to be used during the hot summer months. In addition Interface contains StressGard formulation technology which is designed to help turf manage periods of stress like those experienced by bentgrass in Sydney during the summer months. Interface is expected to be registered in early 2014.

Bayer has two new turf fungicides in development. TBZ240 is a triazole fungicide with StressGard formulation technology. C656948 is a fungicide with a new mode of action and is expected to be an important new addition to the Bayer turf fungicide range.

