

Stop #5: 2012 Turf Disease Trials: Anthracnose and Dollar Spot

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Anthracnose

Thirty-five fungicide treatments were evaluated for their ability to control anthracnose preventatively on an annual bluegrass "tee". Inoculation was achieved through repeated core aeration and dragging to spread the existing inoculum. The plot was originally established in 2007 from seed with 'Peterson's Creeping' annual bluegrass. Beginning in May 2012, nitrogen was withheld from the turf followed by initiation of fungicide treatments on 20 June 2012 before disease symptoms were present.

Results:

- ✓ Overall, anthracnose disease pressure was moderate to heavy throughout the study area. Disease pressure separated well into treatment blocks (replications).
- ✓ Several fungicides or fungicide programs significantly reduced disease severity compared to the untreated control. Those that resulted in less than 5% disease cover throughout the entire study are shown below:

Treatment 2	
Reserve 3.6 fl oz/1000 ft2	A
Reserve 3.6 fl oz/1000 ft2	C
Daconil Ultrex 3.2 oz/1000 ft2	E
Insignia 0.9 fl oz/1000 ft2	E
Reserve 3.6 fl oz/1000 ft2	G
Daconil Ultrex 3.2 oz/1000 ft2	I
Insignia 0.9 fl oz/1000 ft2	I
Reserve 3.6 fl oz/1000 ft2	K
Reserve 3.6 fl oz/1000 ft2	M

Treatment 4	
Reserve 3.6 fl oz/1000 ft2	A
Reserve 3.6 fl oz/1000 ft2	C
Daconil Ultrex 3.2 oz/1000 ft2	E
Insignia 0.9 fl oz/1000 ft2	E
Reserve 3.6 fl oz/1000 ft2	G
Daconil Ultrex 3.2 oz/1000 ft2	I
Insignia 0.9 fl oz/1000 ft2	I
Signature 4.0 oz/1000 ft2	K
Daconil Ultrex 3.2 oz/1000 ft2	K
Reserve 3.6 fl oz/1000 ft2	M

Treatment 14	
Briskway 0.62 fl oz/1000 ft2	AEIM
Daconil Action 3.5 fl oz/1000 ft2	CGK

Treatment 20	
Briskway 0.62 fl oz/1000 ft2	ACEGIKM
Daconil Action 3.5 fl oz/1000 ft2	ACEGIKM

Treatment 26	
A13703G 0.62 fl oz/1000 ft2	ACEGIKM
Appear 6.0 fl oz/1000 ft2	ACEGIKM

Treatment 9	
Lexicon 0.472 fl oz/1000 ft2	A
Signature 4.0 oz/1000 ft2	C
Encartis 4.0 fl oz/1000 ft2	C
Insignia 0.7 fl oz/1000 ft2	E
Segway 0.9 fl oz/1000 ft2	G
26GT 4.0 fl oz/1000 ft2	G
Fore Rainshield 8.0 oz/1000 ft2	G
Signature 4.0 oz/1000 ft2	I
Insignia 0.7 fl oz/1000 ft2	I
Segway 0.9 fl oz/1000 ft2	K
26GT 4.0 fl oz/1000 ft2	K
Daconil WeatherStik 4 fl oz/1000 ft2	K
Lexicon 0.472 fl oz/1000 ft2	M

Treatment 29	
A13703G 0.62 fl oz/1000 ft2	ACEGIKM
Daconil Action 3.5 fl oz/1000 ft2	ACEGIKM

Treatment 30	
Disarm 480 SC 0.36 fl oz/1000 ft2	ACEGIKM

Treatment 31	
Disarm C 6.0 fl oz/1000 ft2	ACEGIKM

Most treatments were applied on a two-week schedule. Each letter (A,B,C, etc.) represents one week.

Notes: