

2015 Rutgers Dollar Spot and Turf Quality Trial

Synopsis

Field trial aimed at evaluating CIVITAS TURF DEFENSE Pre-M1xed as part of an IPM program for control of dollar spot and turf quality improvements. Applications were made at ~14 day intervals throughout trial. CIVITAS Pre-M1xed program provided extended dollar spot control relative to programs without CIVITAS Pre-M1xed.

Trial conducted on creeping bentgrass maintained at fairway height

2015 Rutgers Dollar Spot and Turf Quality Trial Treatment Programs

Program #	Product	Rate/1000 sq. ft.	Application Date
1	CIVITAS ONE	8.5 fl oz	May 22
	Boscalid	0.13 oz wt	May 22
	CIVITAS ONE	8.5 fl oz	June 5
	Chlorothalonil	1.8 oz wt	June 5
	CIVITAS ONE	8.5 fl oz	June 19
	Fluxapyroxad	0.16 fl oz	June 19
	CIVITAS ONE	8.5 fl oz	July 3
	Pyraclostrobin	0.4 fl oz	July 3
	CIVITAS ONE	8.5 fl oz	July 17
	Thiophanate methyl + Iprodione	2.0 fl oz	July 17
	CIVITAS ONE	17 fl oz	July 31
	Boscalid	0.13 oz wt	July 31

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Program #	Product	Rate/1000 sq. ft.	Application Date
2	Boscalid	0.13 oz wt	May 22
	Chlorothalonil	1.8 oz wt	June 5
	Fluxapyroxad	0.16 fl oz	June 19
	Pyraclostrobin	0.4 fl oz	July 3
	Thiophanate methyl + Iprodione	2.0 fl oz	July 17
	Boscalid	0.13 oz wt	July 31
3	Boscalid	0.13 oz wt	May 22
	Boscalid	0.13 oz wt	June 5
	Boscalid	0.13 oz wt	June 19
	Boscalid	0.13 oz wt	July 3
	Boscalid	0.13 oz wt	July 17
	Boscalid	0.13 oz wt	July 31
	Boscalid	0.13 oz wt	August 14
4	Non-treated	-	-

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Treatment ¹	Dollar Spot Infection Centers ²			
	July 2 ³	July 22	August 11	August 31
Program 1 (CIVITAS Pre-M1xed)	0.3 c	4.5 c	0.0 c	10.3 c
Program 2 (no Pre-M1xed)	2.3 bc	16.3 b	3.8 bc	53.3 b
Program 3 (Boscalid only)	2.0 bc	8.5 bc	0.0 c	0.0 c
Non-treated	71.0 a	161.8 a	158.3 a	302.5 a

¹Treatments were applied in a carrier volume of 2 gallons/1000 sq ft.

²Mean number of dollar spot infection centers per plot.

³Means within columns followed by a letter in common are not significantly different according to Waller-Duncan k-ratio t-test (k=100).

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Treatment ¹	Visual Turf Quality ²		
	June 23 ³	July 21	August 18
Program 1 (CIVITAS Pre-M1xed)	7.9 ab	8.1 a	8.5 a
Program 2 (no Pre-M1xed)	7.4 b	5.8 b	5.6 b
Program 3 (Boscalid only)	8.6 a	7.4 a	8.9 a
Non-treated	4.5 c	3.2 c	3.0 c

¹Treatments were applied in a carrier volume of 2 gallons/1000 sq ft.

²Turf quality assessed using NTEP rating system, where 9 = ideal/high quality turf, 1 = dead/brown turf, and 6 = acceptable turf quality.

³Means within columns followed by a letter in common are not significantly different according to Waller-Duncan k-ratio t-test (k=100).