

2015 University of Maryland 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 programs provided extended dollar spot control relative to programs without CIVITAS Pre-M1xed.

- Trial conducted on creeping bentgrass maintained at greens height

2015 Dollar Spot and Turf Quality Trial Treatment Programs

Program #	Product	Rate/1000 sq. ft.	Date
1	CIVITAS ONE	17 fl oz	May 6
	Boscalid	0.13 oz wt	May 6
	CIVITAS ONE	17 fl oz	May 22
	CIVITAS ONE	17 fl oz	June 3
	Chlorothalonil	1.8 oz wt	June 3
	Pyraclostrobin	0.4 fl oz	June 3
	CIVITAS ONE	17 fl oz	June 16
	CIVITAS ONE	17 fl oz	June 29
	Boscalid	0.13 oz wt	June 29
	CIVITAS ONE	17 fl oz	July 16
	CIVITAS ONE	17 fl oz	July 28
	Iprodione	3 fl oz	July 28
	CIVITAS ONE	17 fl oz	August 11

2015 Dollar Spot and Turf Quality Trial Treatment Programs

Program #	Product	Rate/1000 sq. ft.	Date
2	CIVITAS ONE	8.5 fl oz	May 6
	Boscalid	0.13 oz wt	May 6
	CIVITAS ONE	8.5 fl oz	May 22
	CIVITAS ONE	8.5 fl oz	June 3
	Chlorothalonil	1.8 oz wt	June 3
	Pyraclostrobin	0.4 fl oz	June 3
	CIVITAS ONE	8.5 fl oz	June 16
	CIVITAS ONE	8.5 fl oz	June 29
	Boscalid	0.13 oz wt	June 29
	CIVITAS ONE	8.5 fl oz	July 16
	CIVITAS ONE	8.5 fl oz	July 28
	Iprodione	3 fl oz	July 28
	CIVITAS ONE	8.5 fl oz	August 11

2015 Dollar Spot and Turf Quality Trial Treatment Programs

Program #	Product	Rate/1000 sq. ft.	Date
3	Boscalid	0.13 oz wt	May 6
	Metconazole	0.37 oz wt	May 22
	Chlorothalonil	1.8 oz wt	June 3
	Pyraclostrobin	0.4 fl oz	June 3
	Iprodione + trifloxystrobin	3 fl oz	June 16
	Boscalid	0.13 oz wt	June 29
	Fluazinam	0.5 fl oz	July 16
	Chlorothalonil	1.8 oz wt	July 28
	Vinclozolin	1 oz wt	August 11
4	Non-treated	-	-

2015 Dollar Spot and Turf Quality Trial

Treatment ¹	Dollar Spot Infection Centers ²			
	June 23 ³	July 21	August 19	September 2
Program 1 (Pre-Mixed high rate)	0.00 b	0.40 bc	0.00 b	5.9 c
Program 2 (Pre-Mixed low rate)	0.00 b	0.00 c	0.00 b	5.0 cd
Program 3 (no Pre-Mixed)	0.00 b	1.60 b	2.00 b	23.7 b
Non-treated	65.8 a	240.9 a	285.1 a	299.5 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 ($p=0.05$, Tukey's HSD)

2015 Dollar Spot and Turf Quality Trial

Treatment ¹	Visual Turf Quality ²			
	June 23 ³	July 21	August 19	September 2
Program 1 (Pre-M1xed high rate)	5.88 a	6.63 abc	6.88 a	6.63 ab
Program 2 (Pre-M1xed low rate)	5.88 a	6.75 ab	7.00 a	6.63 ab
Program 3 (no Pre-M1xed)	6.00 a	6.50 bc	6.75 a	6.38 b
Non-treated	4.50 b	3.88 d	2.50 b	2.50 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 (p=0.05, Tukey's HSD)

University of Maryland – Dollar Spot

