2012/2013 California Fusarium Patch Trial

Synopsis

Field study aimed at evaluating the performance of CIVITAS + Harmonizer for control of Fusarium patch on a *Poa annua* fairway. Applications were made every 7 or 14 days throughout the trial. CIVITAS + Harmonizer provided control of *Microdochium nivale* comparable to that of industry standards.

Evaluation of CIVITAS for Control of Fusarium Patch on an Annual Bluegrass Golf Course Fairway

Treatment[1]	Rate/1000 sq ft	Fusarium patch Damage Index[2] (% control)			
		29 – Jan[3]	5 – Feb	12 – Feb	19 – Feb
Non-treated	-	101.5 a (0.0%)	102.5 a (0.0%)	13.5 a (0.0%)	45.5 a (0.0%)
CIVITAS + CIVITAS Harmonizer	8 oz + 0.5 oz (14 d interval)	3.0 b (97.0%)	2.5 b (97.6%)	0.0 b (100%)	0.3 b (99.5%)
CIVITAS + CIVITAS Harmonizer	8 oz + 0.5 oz (7 d interval)	0.0 b (100%)	0.0 b (100%)	0.0 b (100%)	0.0 b (100%)
LSD		23.97	16.70	7.93	24.3

[1]Initial application applied Dec. 4th, 2012 with final application on

[2]Fusarium Patch damage index (0-1000 scale): visual evaluation of percent disease cover (0-100) multiplied times disease severity (rated on a 0-10 scale).

[3]Means within columns followed by a letter in common are not significantly different at p=0.05.

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Effect of CIVITAS on Quality of an Annual Bluegrass Golf Course Fairway

Treatment[1]	Rate/1000 sq ft	Turf Quality[2]			
		29 – Jan[3]	5 – Feb	12 – Feb	19 – Feb
Non-treated	-	4.5 b	5.3 a	5.3 ab	5.3 bc
CIVITAS + CIVITAS Harmonizer	8 oz + 0.5 oz (14 d interval)	6.3 a	6.0 a	6.3 a	7.3 a
CIVITAS + CIVITAS Harmonizer	8 oz + 0.5 oz (7 d interval)	6.0 a	6.0 a	6.0 a	6.8 ab
LSD		0.95	0.87	0.89	1.08

[1]Initial application applied Dec. 4th, 2012 with final application on

[2]Turf quality rated on a 0 – 10 scale with 0 representing dead turf, 6 being minimally acceptable and 10 representing ideal turf.

[3]Means within columns followed by a letter in common are not significantly different at p=0.05.