

2015 University of Massachusetts Drought Response Trial

Synopsis

Controlled environment trial aimed at evaluating the performance of creeping bentgrass pre-treated with CIVITAS TURF DEFENSE Pre-M1xed and subjected to dry down conditions (no water). Two applications of CIVITAS TURF DEFENSE Pre-M1xed were made at 14 day intervals prior to initiation of dry down, followed by a 3rd application 3 days after initiation of dry down. Turf treated with CIVITAS TURF DEFENSE Pre-M1xed was able to withstand a greater period with no water relative to a non-treated control.

Treatment ¹	Rate/1000 sq ft	Turf Quality (1 – 9) ² (Days Post Dry Down) ³				
		0 d ⁴	6 d	7 d	8 d	10 d
Control (water only)	-	8.0 a	6.7 c	6.2 b	5.3 c	1.3 b
CIVITAS TURF DEFENSE Pre-M1xed	8.5 oz	8.0 a	7.3 b	8.0 a	7.1 ab	6.7 a
CIVITAS TURF DEFENSE Pre-M1xed	17 oz	8.0 a	8.5 a	8.5 a	7.5 a	5.7 a

¹Treatments were applied in a carrier volume of 2 gallons/1000 sq ft. Control received water only. CIVITAS was applied 2x prior to initiation of dry down, with a 3rd application 3 days post initiation of dry down.

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

³Represents the number of days water has been withheld from the turf.

⁴Numbers within columns followed by a letter in common are not significantly different.

Creeping Bentgrass Drought Response – 8 Days Post Initiation of Dry Down

CIVITAS TURF DEFENSE Pre-M1xed
17 oz/1000 sq ft

CIVITAS TURF DEFENSE Pre-M1xed
8.5 oz/1000 sq ft

Control

