

2015 University of Tennessee Traffic Tolerance Trial

Synopsis

Field trial aimed at evaluating the performance of bermudagrass treated with CIVITAS TURF DEFENSE Pre-M1xed and subjected to low and high levels of simulated traffic. Applications were made at 14 day intervals throughout trial. CIVITAS TURF DEFENSE Pre-M1xed treated turf had significantly higher turf quality under low and high trafficked conditions. Under high traffic conditions, all plots sustained significant damage leading to reduced quality.

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Treatment ¹	Rate/1000 sq ft	Visual Turf Quality (1 – 9) ²		
		6 Games ³	8 Games	10 Games
Urea only	0.25 lb	7 bc	5.5 b	5.5 c
CIVITAS Pre-M1xed + urea	17 oz + 0.25 lb	7.5 ab	7 a	6 b
Urea only	1.0 lb	6.83 c	5.83 b	5.5 c
CIVITAS Pre-M1xed + urea	17 oz + 1.0 lb	7.67 a	6.83 a	6.5 a

¹CIVITAS Pre-M1xed applications were applied in 2 gallons of water/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.

³Represents number of simulated football games prior to rating.

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Treatment ¹	Rate/1000 sq ft	Visual Green Cover (0 – 100%) ²		
		6 Games ³	8 Games	10 Games
Urea only	0.25 lb	92 b	85.67 b	79.33 c
CIVITAS Pre-M1xed + urea	17 oz + 0.25 lb	93.67 a	91.33 a	87.67 ab
Urea only	1.0 lb	91.33 b	87.33 b	79.67 c
CIVITAS Pre-M1xed + urea	17 oz + 1.0 lb	93.67 a	90.67 a	89.67 a

¹CIVITAS Pre-M1xed applications were applied in 2 gallons of water/1000 sq ft.

²Visual % green cover assessed using scale of 0 – 100, where 0 = bare soil and 100 = complete canopy cover.

³Represents number of simulated football games prior to rating.

