2014 Texas A&M Traffic Tolerance Trial

Synopsis

Field trial aimed at evaluating the performance of bermudagrass treated with CIVITAS TURF DEFENSE Pre-M1xed and subjected to various levels of simulated traffic. Applications were made at 14 day intervals throughout trial. CIVITAS TURF DEFENSE Pre-M1xed treated turf had higher turf quality and maintained significantly higher percent green cover relative to the non-treated control. This effect was consistent throughout the trial, regardless of traffic regime.

Traffic Tolerance Study

• Applications were made to an established stand of Tifsport bermudagrass grown atop an 8” sand cap and maintained at 0.6” HOC

• Split Plot Design with:
  – Main plots (every 14 d in 2 gallons water/1000 sq ft):
    • Non-treated (water only)
    • CIVITAS ONE 17 oz
    • CIVITAS ONE 8.5 oz
  – Sub-plots:
    • Traffic applied weekly throughout duration of study (6/20/14 to 12/18/14)

• Fertility
  – Plots received a total of 3 lbs of N annually from ammonium sulfate, split between 3 x 1 lb applications in May, June and July

Traffic Tolerance Study – Visual Turf Quality
Traffic Tolerance Study - % Green Cover

Traffic Tolerance Study

Final application Nov. 7, image taken in late November.