Excelis Maxx on Homogenous Fertilizer

Turfgrass

Objective

To assess soil and plant tissue levels of a treatment of Excelis Maxx fertilizer additive on a dry ammoniated/ homogenous fertilizer (21-7-14, 5.1%S) compared to the dry fertilizer without Excelis Maxx fertilizer additive.

Site Location

Mount Pleasant, SC

Researcher

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Timac Agro USA

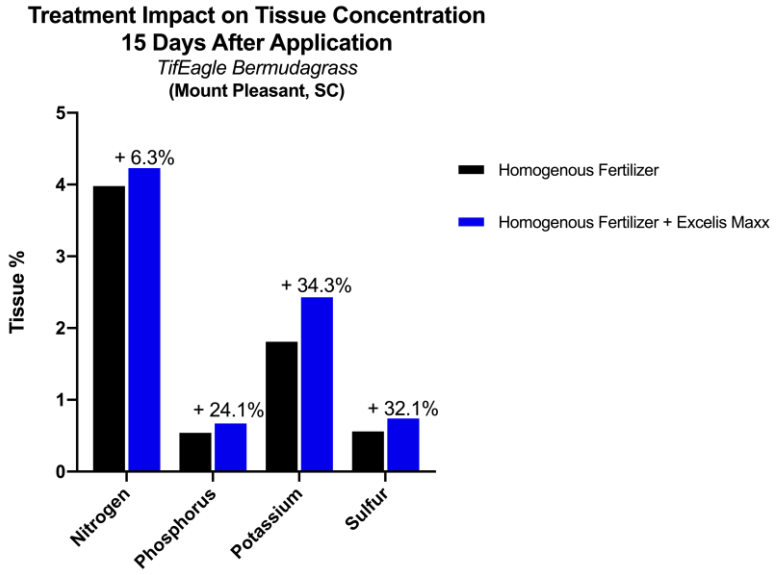
Study Information

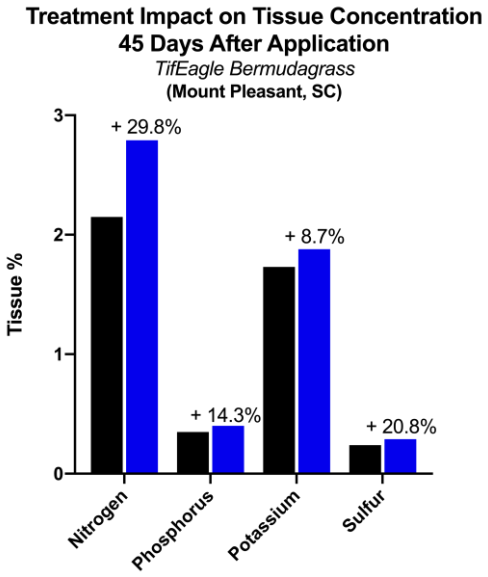
This study was conducted on sports turf (TifEagle Bermudagrass) with uniform management practices including consistent levels of mowing, irrigation, fertilization and IPM practices. The addition of the Excelis Maxx fertilizer additive was completed prior to application in a small batch fertilizer blender to mirror labeled rate of material per ton of dry granular fertilizer. Soils were uniform with pH of grower standard blend at 7.2/6.4 vs pH of grower standard with Excelis Maxx at 7.0/6.3 with CEC's being 5.2/4.3 and 4.0/4.3, respectively.

Key Findings

Increased Tissue Concentration of Nitrogen **(6.3%),** Phosphorus **(24.1%),** Potassium **(34.3%)** & Sulfur **(32.1%)** at 15 Days After Fertilizer Application

Increased Tissue Concentration of Nitrogen **(29.8%),** Phosphorus **(14.3%),** Potassium **(8.7%)** & Sulfur **(20.8%)** at 45 Days After Fertilizer Application





Application

Trial ID: DT-20-SE-TUR-EM

Treatment	Application Rate
Homogenous Granular Fertilizer	21-7-14 with 5.1% S
Homogenous Granular Fertilizer + Excelis Maxx	21-7-14 with 5.1% S+ 1 Qt/Ton