



OBJECTIVE

To assess soil and plant tissue levels of a treatment of Duo Maxx fertilizer additive on a dry fertilizer blend of 25-0-12 (4.57% S) featuring 21% N from controlled release polymer coated urea compared to the blend without Duo Maxx fertilizer additive.

SITE LOCATION

Opelika, AL

RESEARCHER

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STUDY INFORMATION

This study was conducted on sports turf (Tifway 419 Bermudagrass) with uniform management practices including consistent levels of mowing, irrigation, fertilization and IPM practices. The addition of the Duo 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 6.23 vs pH of grower standard with Duo Maxx at 6.13 with CEC's being 8 and 6, respectively.

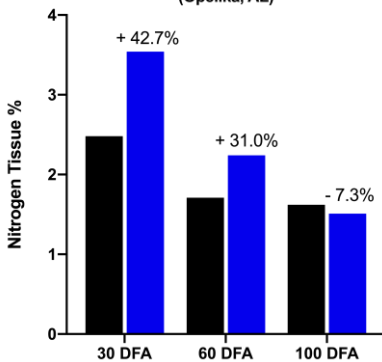
KEY FINDINGS

Increased Tissue Nitrogen Concentration at 30 (+42.7%) & 60 Days (+31.0%) Following Fertilizer Application

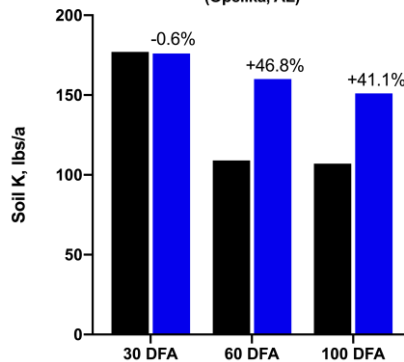
Increased Soil Potassium Concentration at 60 (+46.8%) & 100 Days (+41.1%) Following Fertilizer Application

Increased Soil Sulfur Concentration at 30 (+77.8%) & 60 Days (+29.0%) Following Fertilizer Application

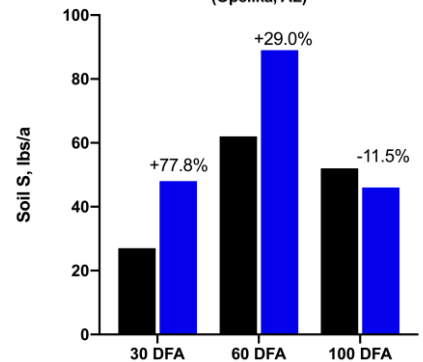
Treatment Impact on Bermudagrass, Tissue Nitrogen Concentration (Opelika, AL)



Treatment Impact on Bermudagrass, Soil K Concentration (Opelika, AL)



Treatment Impact on Bermudagrass, Soil S Concentration (Opelika, AL)



APPLICATION

■ Polymer Coated Blend ■ Polymer Coated Blend + Duo Maxx

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

Treatment	Application Rate
Grower Standard Blend	25-0-12 (21% Controlled Release N from Polymer Coated Urea)
Grower Standard Blend + Duo Maxx	25-0-12 (21% Controlled Release N from Polymer Coated Urea) + 3 Qt/Ton