



### OBJECTIVE

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

### SITE LOCATION

Mount Pleasant, SC

### RESEARCHER

Blake Brown, CCA  
Timac Agro USA

### STUDY INFORMATION

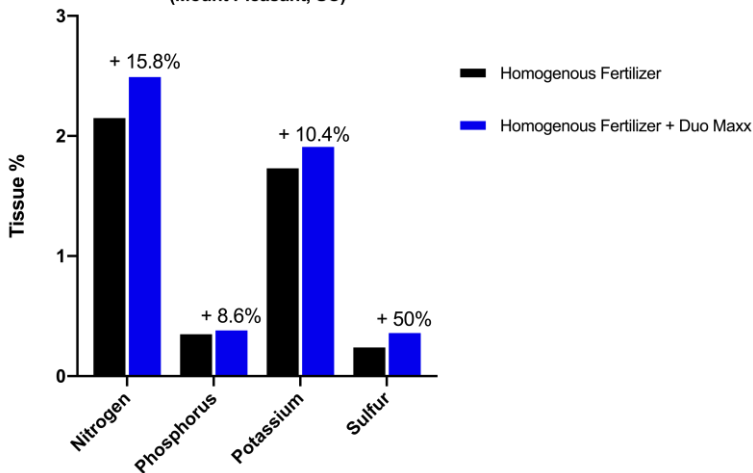
This study was conducted on sports turf (TifEagle Bermudagrass) with uniform management practices including consistent levels of mowing, irrigation, fertilization and IPM practices. The addition of the Duo Maxx fertilizer additive was completed prior to application in a small batch fertilizer blender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

### KEY FINDINGS

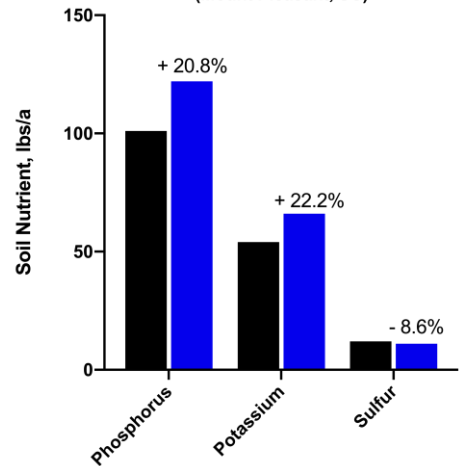
Increased Tissue Concentration of Nitrogen (**15.8%**), Phosphorus (**8.6%**), Potassium (**10.4%**) & Sulfur (**50%**) at 45 Days After Fertilizer Application

Increased Soil Nutrient Content of Phosphorus (**20.8%**) & Potassium (**22.2%**) at 45 Days After Fertilizer Application

**Treatment Impact on Tissue Concentration**  
45 Days After Application  
TifEagle Bermudagrass  
(Mount Pleasant, SC)



**Treatment Impact on Soil Nutrient Content**  
45 Days After Application  
TifEagle Bermudagrass  
(Mount Pleasant, SC)



### APPLICATION

Trial ID: DT-20-SE-TUR-DM-2

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