

Iowa Corn Trial

Washington, IA
July 10, 2020

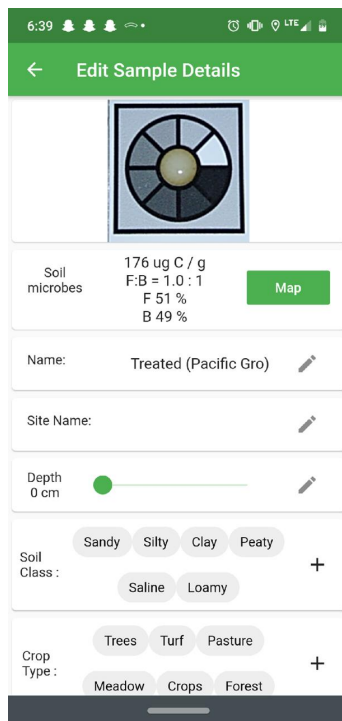


Currently, we are observing a trial in Iowa where we applied 2 gal Pacific Gro + 1 gal Sea Crop pop-up while planting and 2 gal Pacific Gro foliar + 1 gal Sea Crop applied at V-3, V-6. The corn is in the pre-tassel stage and is enduring temperatures around 92 degrees.

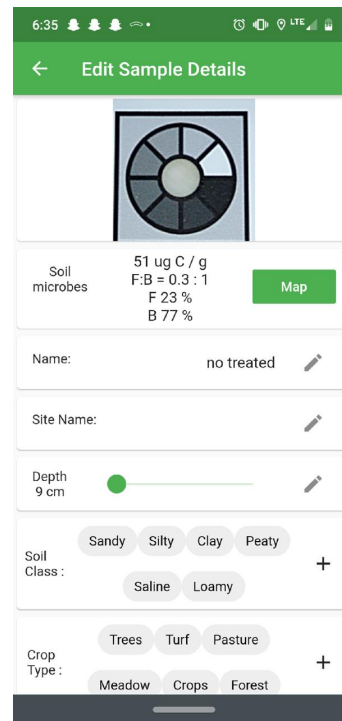
Looking at corn that was not treated with Pacific Gro, the lower leaves show nitrogen deficiency and stress (yellow), some leaf disease, and leaves that are starting to roll - which is all limiting yields.

The corn that was treated with Pacific Gro has green lower leaves, no nitrogen deficiency, healthy leaves, no diseases, a cooler canopy and flat leaves that capture sunlight more efficiently.

Nutrient cycling microbes are important to transform nutrients into different forms of amino acids which are used by the plant and microbes for different functions. Pacific Gro delivers a diverse diet to the soil microbes (especially the fungi) to improve the nutrient cycling microbes. That results in high populations and diversity. The amino acid form of N in Pacific Gro is plant available and does not require the plant to use energy to metabolize Nitrogen.



Soil microbial balance - Treated with Pacific Gro



Soil microbial balance - Treated conventionally



Corn stalks: Treated with Pacific Gro



Corn stalks: Treated conventionally