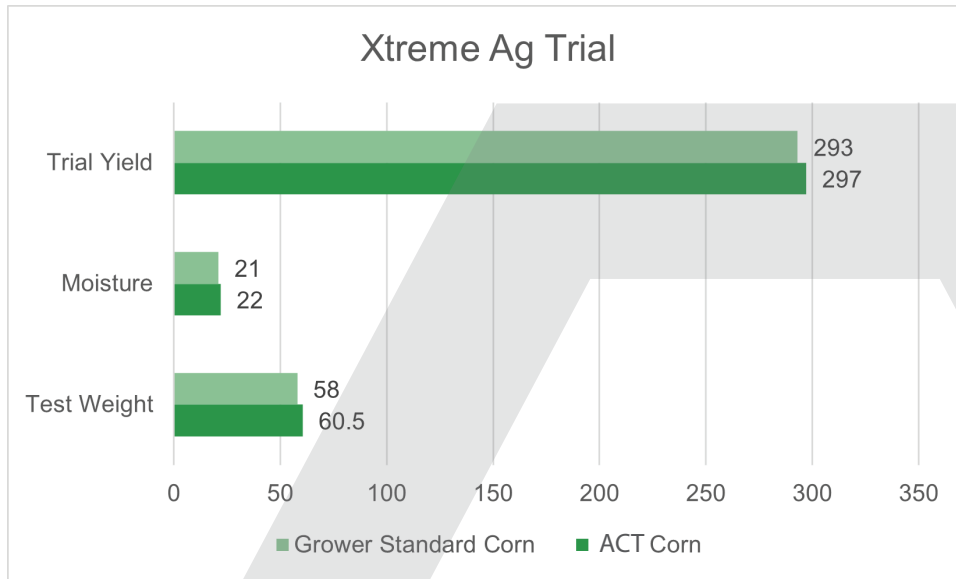


# ACTIVATED CARBON TECHNOLOGIES



ACTIVATED CARBON is extracted from leonardite by a chemical and mechanical process which results in an Activated Carbon System:

- 1. Humic Acid - Humic acids function as important ion exchange and metal complexing (chelating) systems. The active ingredient in breaking bonds within the soil.
- 2. Fulvic Acid - Fulvic acids are smaller and more reactive than humic acid molecules, they can readily enter plant roots, stems, and leaves. They act as penetrants in the soil and plant.
- 3. Humin - Humin is resistant to degradation. They are the structural component in Activated Carbon. It can absorb and be adsorbed. Increase CEC, biologicals, water holding, salt buffering, soil tilth (reduce compaction), etc.
- 4. Biological - Anaerobic and Aerobic bacteria and fungi in Activated Carbon. Nutrient mineralization, stubble and residue breakdown, accelerate the recycling of soil nutrients in crop production.



ACTIVATED CARBON TECHNOLOGIES

## Large Scale Trials Corn

ACT Application



Yield (Dry) | 216.45 bu/ac

Synthetic Application



Yield (Dry) | 208.72 bu/ac



Activated Carbon Technologies offers customized approaches to achieve and exceed your production goals. Additionally the resilient, residual and compounding effects are delivered through improving STRUCTURE, CHEMISTRY AND BIOLOGY.

ACTIVATED  Carbon

ACTIVATED  Macros

ACTIVATED  Micros