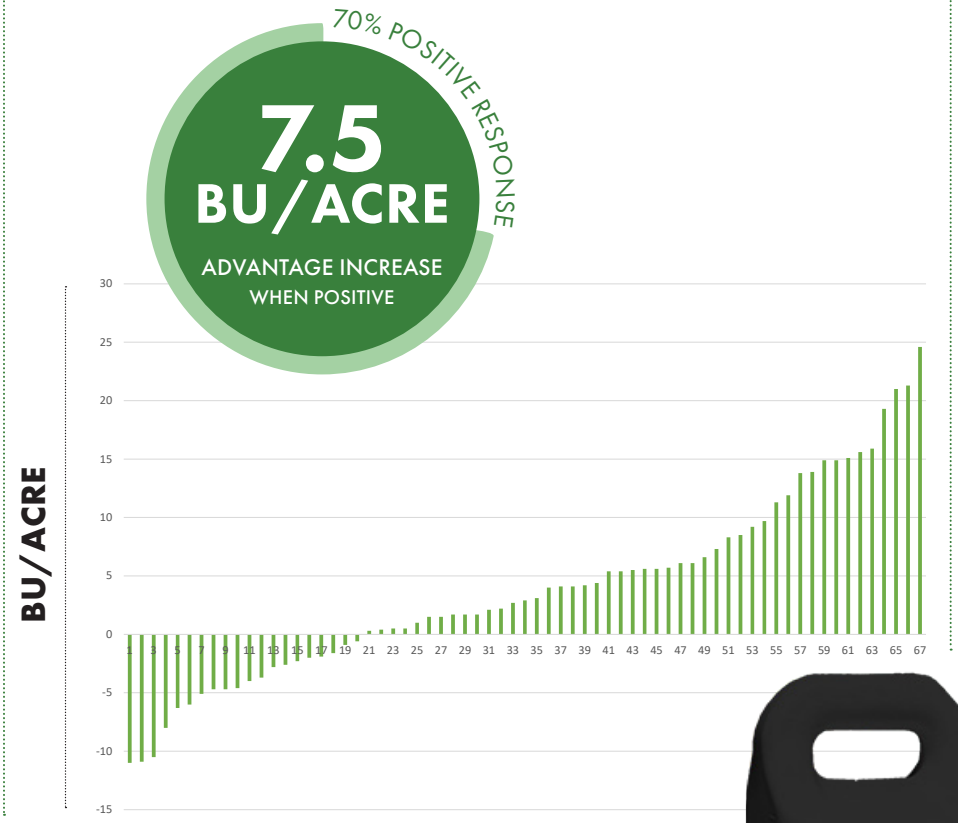
ION_{fx}™ is a mix of genetically identified and patented bacteria, along with archaea and fungi. While many microbes live naturally in a plant, this mix of microorganisms has been selected to support, enhance, or supplement plant functions. ION_{fx} unlocks a plant's ability to produce growth regulators and metabolites.

ION_{fx}™

MULTI YEAR DATA

CORN



FOR USE ON

Grain Corn, Silage Corn, Sorghum, Cotton, Canola, Flax

KEY BENEFITS

- Heat & drought stress mitigation
- Plant growth regulator response
- Increased ear size and improved ear fill
- Residue management

APPLICATION RATES

Seed
2 ounces per CWT seeds via seed treater. Can be co-applied with other products.

In-furrow
16 fl. oz. per acre with a minimum of 5 GPA rate.

Foliar: 16 fl. oz. per acre with 10 to 20 gallons water. For corn or sorghum apply between V3-V7.

Guaranteed Analysis

Non-plant Food
Pseudomonas fluorescense ..... 1.0 x 105 CFU/ml

Microorganisms exempt from CFR requirements ..... 40 CFR 725

Packaging

Seed Coat
4x1 gal

In-furrow or Foliar
2x2.5 gal
275 gal

To learn more, visit yieldmastersolutions.com

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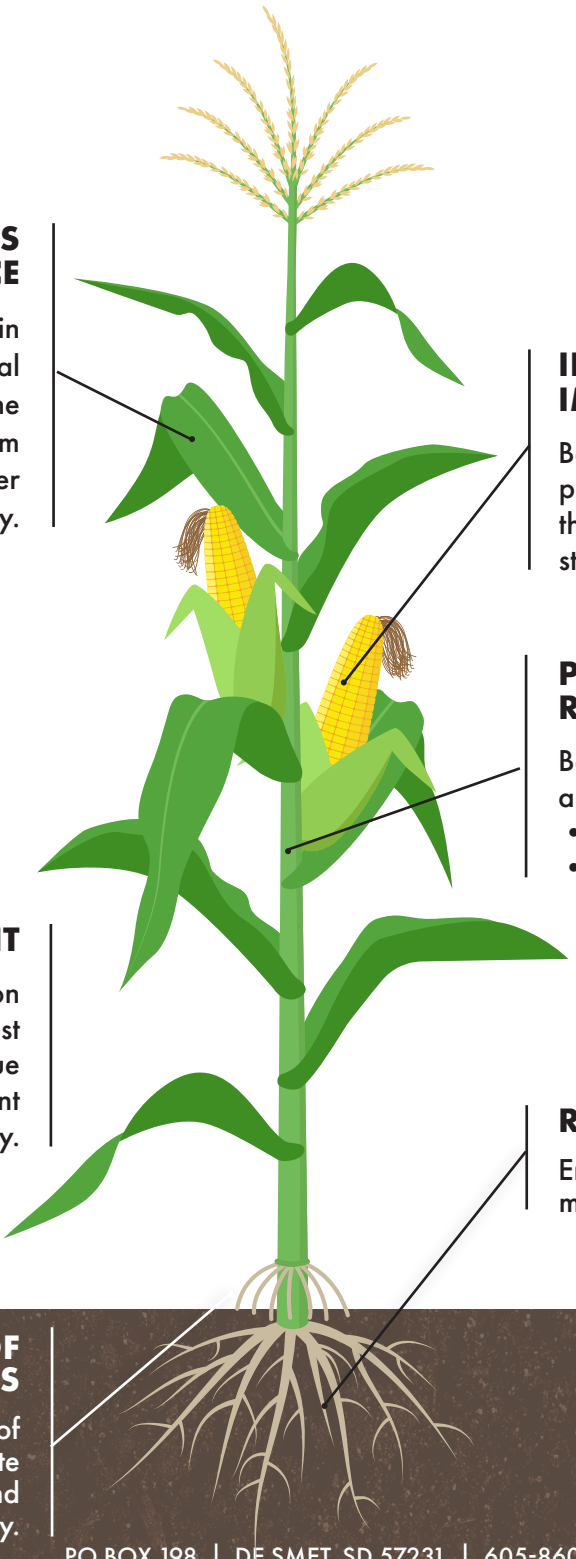
IMPACT on the PLANT

ION$_{fx}$™



HEAT & DROUGHT STRESS TOLERANCE

ION$_{fx}$ bacteria modulate the pH within the plant which helps keep the internal temperature cooler throughout the course of the day. This mechanism allows the plant to operate longer throughout the day.

INCREASED EAR SIZE & IMPROVED EAR FILL

Bacteria within ION$_{fx}$ will promote plant growth regulators that allow the plant to set a larger ear at the V5 stage.

PLANT GROWTH REGULATOR RESPONSE

Bacteria found in ION$_{fx}$ stimulate and create:

- Cell division
- Thicker stalks
- Larger leaves
- Larger ear set

RESIDUE MANAGEMENT

ION$_{fx}$ bacteria accelerate digestion and softening of plant tissue post harvest for improved residue management and potential nutrient availability.

ROOT DEVELOPMENT

Enhanced root system allowing for more efficient nutrient & water uptake.

DEVELOPMENT OF SECONDARY BRACE ROOTS

ION$_{fx}$ encourages the development of secondary brace roots. This attribute provides increased access to water and soil nutrition and improves standability.

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