



REPLACES UP TO 50% OF STARTER FERTILIZER



TANK MIX
FRIENDLY WITH
CROP PROTECTION
PRODUCTS



FLEXIBLE
APPLICATIONS IN-FURROW,
BROADCAST,
FOLIAR



ENHANCES
NUTRIENT UPTAKE
& AVAILABILITY



IMPROVES PLANT ROOT VIGOR

The Breakdown

Proprietary Plant-Based Humus Extract

Improves the soil ecosystem affecting water, nutrients and microbes, building a symbiotic environment that is conducive to the exchange of essential nutrients for uptake.

Plant Growth Promoting Rhizobacteria (PGPR)

Free-living bacteria that colonize the rhizosphere, breaking down organic matter, capturing nitrogen, solubilizing phosphorus and cycling nutrients to become more available for the plant.

Algae

Green manure which quickly breaks down and releases organic carbon into soil becoming a food source microbes as well as the plant.

Fermented Plant Extract

Diverse blend which impact microbial diversity and stabilize overall formulations





Product Description

The complete biofertilizer comprised of a diverse community of microbes, plant-based humus extracts and algae, that work together to make existing nutrients available allowing growers to replace up to 50% of their starter fertilizer.

Features

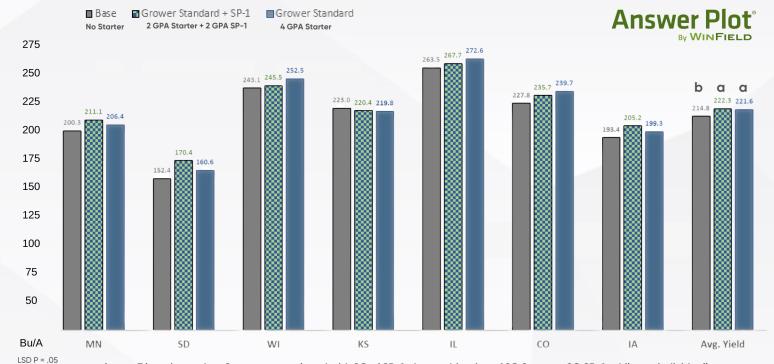
- Replace up to 50% of starter fertilizer when used infurrow when planting.
- Easy-to-use liquid formulation seamlessly integrates into broad acre application practices, including broadcast, in-furrow, 2X2, drip, foliar and fertigation.
- Enhances microbial populations which break down organic matter, capture nitrogen, solubilizes phosphorus, & cycles nutrients - ultimately making nutrients more available to the plant.





Making Your Fertilizer Dollar Work - Replacement Trials

When TerraTrove SP-1 Classic is applied with starter fertilizer, growers have reliably replaced up to 50% of their starter fertilizer needs when planting, without sacrificing performance and in many cases improving crop yield and on-farm profitability. When combined with starter the products perform Better Together.



- Across 7 locations, when Starter was replaced with 2G of SP-1, the combination of 2G Starter + 2G SP-1, while not individually
 statistically significant, 4 of those locations out yielded the growers standard practice of 4 GPA of starter.
- Average Yield for SP-1 Classic at 2 GPA + 2 GPA of Starter was 222.3 Bu/A va. 221.6 Bu/A for the grower standard of 4 GPA of starter.
- · When analyzed across all locations, SP-1 and the Grower Standard where statistically different from the Base Treatment.

3rd Party SP-1 Classic - Starter Replacement Trials

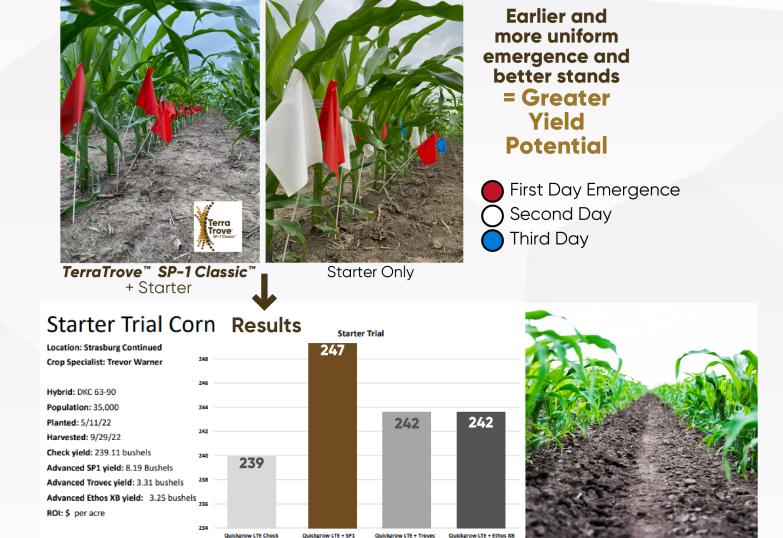
Objective: Large scale on farm replicated testing in-furrow applications replacing 2 gallons of starter with SP-1 compared to grower standard in-furrow application. 294.9 297.1 300 246.6 246.8 242.3 242.1 230.9 233.9 250 224.9 225 216.7 218 200 150 50 \cap Site 2 Site 3 Site 4 Site 5 Site 6 Site 1 ■ Full Rate Starter ■ Starter 1/2 Rate + SP-1 2GPA STATISTICALLY SIGNIFICANT P=0.1*, P=0.2**



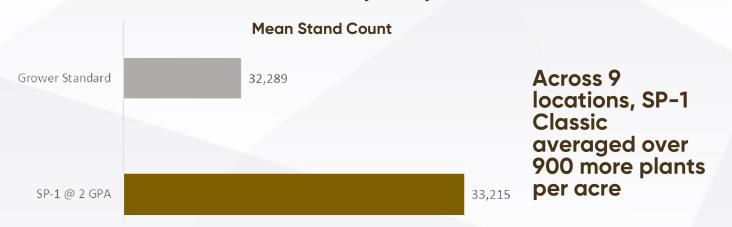
- 4 modes of action that provide season long benefits.
- The most complete mix of biological additives in the market.
- Releases/Makes available Macro's, Secondary & Micro-Nutrients ensuring you get the most value from your fertilizer



SP-1 Classic Drives Vigor & Uniform Crop Establishment



Cross Trial Summary Analysis of Plant Stand

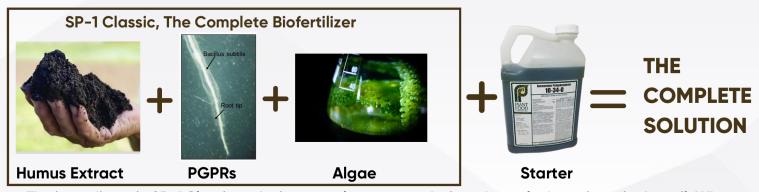




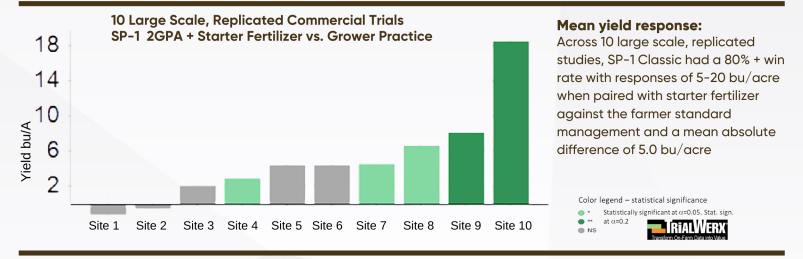


SP-1 Classic - Better Together

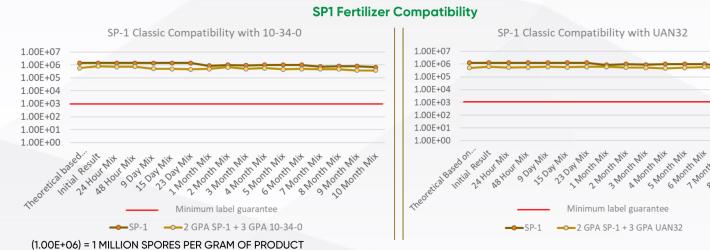
SP-1 Seamlessly Fits into your Operation & Pairs well with Fertilizers



• The ingredients in SP-1 Classic make it a complete system designed to unlock nutrients in the soil. When paired with starter fertilizer the benefits of SP-1 grow exponentially.



SP-1 CLASSIC IS COMPATIBLE WITH COMMON STARTERS AND FERTILIZERS. IF YOU CAN MIX FERTILIZER WITH WATER, YOU CAN MIX WITH SP-1.



- After 10 months there was no change in the viability of the biology when mixed with fertilizer
- SP-1 as a standalone unmixed product is stable for up to 2 years





SP-1 Classic Foliar Applications

While SP-1 is not a PGR, the ingredients within SP-1 work together to produce Phytohormones such as Auxins, Gibberellins & Cytokinins that are known to:

- STIMULATES PLANT GROWTH
- LESSENS ABIOTIC STRESSES
- SUPPORTS REPRODUCTIVE PROCESSES

Foliar Application at V5 with Ground Rig +22 bushel response

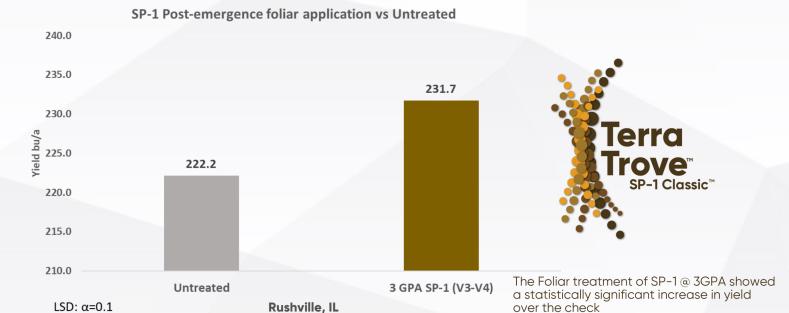


Applied through
Pivot at V5
+4 bushel response











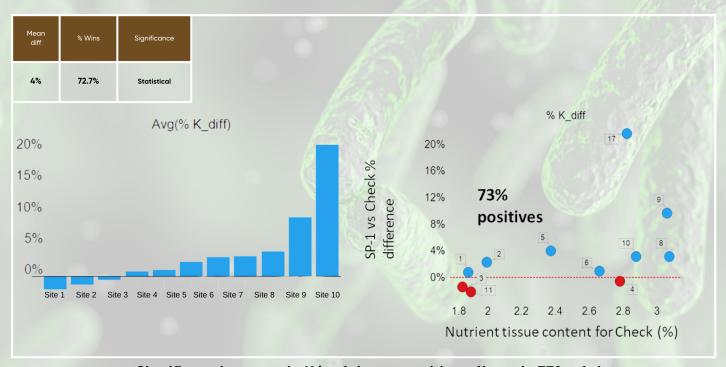


SP-1 Classic Microbiology Functionality

SP-1 Classic utilizes multiple microorganisms to support plant nutrition. This table outlines what percentage of organisms contribute to specific nutrient cycling.

Nutrient	% Functionality
N Release	75%
P Solubilitzation	36%
K Solubilization	36%
Fe	95%
Zinc	56%
Mn	94%
S	99%
Ca	64%
Mg	64%

LEAF TISSUE ANALYSIS



Significant increase in K leaf tissue, positive effects in 73% of sites.

SP-1 Classic Highlights





Easy-to-use liquid formulation that can be easily integrated into broadcast applications. Including broadcast, in-furrow, drip and fertiligation



Enhance microbial populations which breakdown organic matter, captures nitrogen, solubilizes phosphorus and cycles nutrients

