

## NATURE'S FORMULA FOR FLOURISHING FIELDS: SP-1 CLASSIC

### Product Description

SP-1 CLASSIC is an OMRI certified, **complete liquid biofertilizer** comprised of a diverse community of microbes, plant-based humus extracts and algae that work together to improve soil structure, make more nutrients available and ultimately increase yield.

Plant-based humus extracts create an ecosystem for water, nutrients and microbes, building a symbiotic environment that is conducive to the exchange of essential nutrients, ultimately attaching them to the roots for uptake.

- **BENEFICIAL BACTERIA:** PGPRs – Free-living bacteria that colonize the rhizosphere, breaking down organic matter, fixing nitrogen, solubilizing phosphorus and cycling nutrients that become more available for the plant.
- **ALGAE:** Green manure which quickly breaks down and releases nitrogen into soil becoming a food source for the microbes and the plant.
- **PLANT EXTRACT:** Diverse blend which impacts microbial diversity and stabilizes overall formulation.

### Key Benefits

- Improves soil structure
- Improves vigor and stand uniformity
- Enhances water and nutrient use efficiency
- Improves plant drought and stress resiliency

### Key Features

- Easy-to-use liquid formulation seamlessly integrates into broad-acre application practices, including broadcast, in-furrow, drip and fertigation
- Increases microbial populations which break down organic matter, captures nitrogen, solubilize phosphorus and cycle nutrients – ultimately making nutrients more available to the plant
- Creates an environment for efficient water use and increases stress tolerance
- Contains algae as a food source for the microbes until roots develop
- Produced in the USA – Princeton, IL Production

### Application Timings/Rates

- 1.5 to 3 gallons per acre

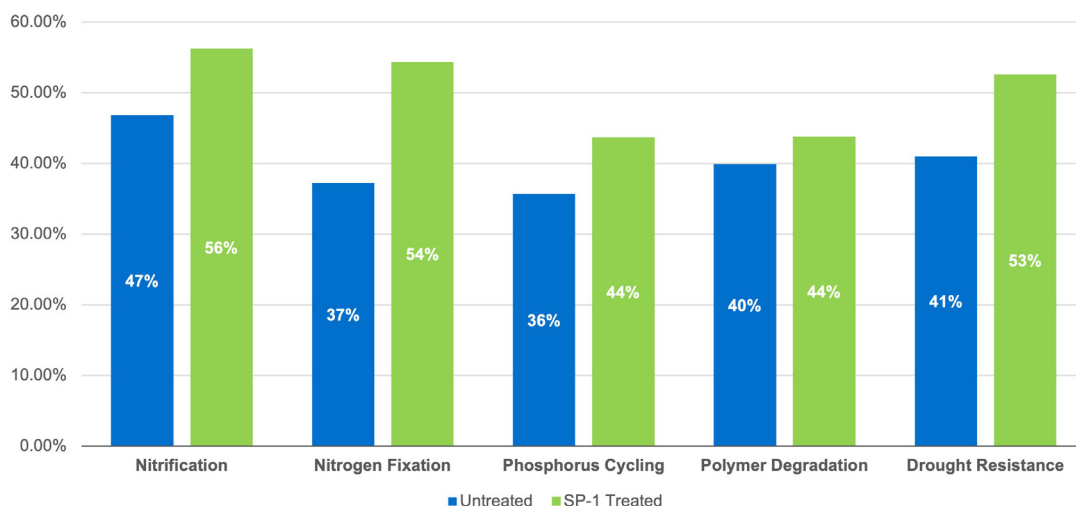
Learn more at [AMVAC.com/GreenSolutions](https://AMVAC.com/GreenSolutions)

## SP-1 CLASSIC® PERFORMANCE

SP-1 Classic has been proven across years of field trials and has consistently lessened soil compaction and improved root development, water use efficiency and nutrient uptake enabling uniform crop establishment while minimizing stress and maximizing yield potential.

### Nutrient Use Efficiency: MOA Soil Applied

#### Metagenomic Evaluation of SP-1 Classic® Treated Soil Compared to Untreated



#### Primary Benefit

Nutrient Use Efficiency

#### Secondary Benefit

Stress Tolerance

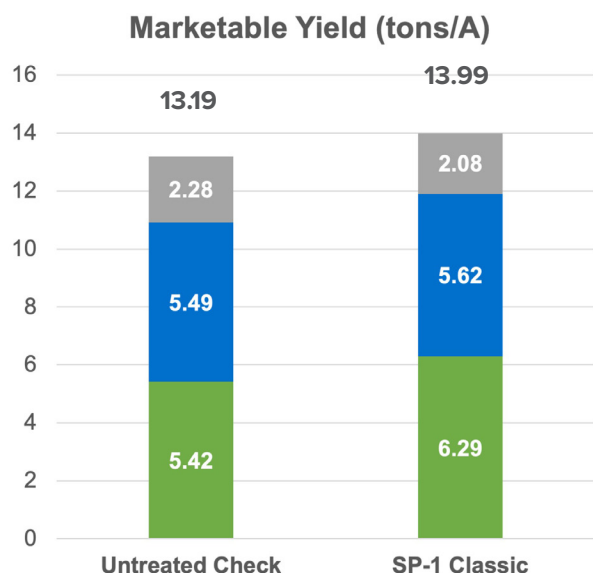
#### Rhizophagy in Action

SP-1 increased the microbial community associated with plant roots for several important nutrient cycling characteristics making more nutrients available for uptake.

*Soil composite sampled from grower field. Then corn is planted into field soil in a greenhouse and metagenomic analysis of soil associated with plant roots was made and reported here.*

### SP-1 Classic® on Blueberries – Eltopia, WA

The use of SP-1 in blueberry production results in higher yields during the first and second harvests, ultimately increasing total yield.



LSD ( $\alpha=0.1$ ) or NSD; LSD ( $\alpha=0.1$ ). Letters that are the same are not statistically different within an individual trial, location or data set.