



services

equipment

machinery

drying

# BioSA

## Seed Applied Biological Organism

Seedworx™ BioSA was developed for soybean and other legume crops

### Target Use

- Has functionality on a large variety of crops
- Unique formulation that has excellent durability & shelf life
- Premium performance return and friendly environmental profile
- Compatible across large volume of other seed applied treatments

### Composition

- *Bacillus amyloliquefaciens*
- *Bacillus subtilis*

### Features

- Multiple biological strains
- Increased root growth
- Boost to naturally occurring microbials
- Microbials colonize on living plant tissue
- Low use rate
- New technology adoption

### Benefits

- Provide dual threat response to product performance
- Allows more surface area for greater nutrient uptake
- Amplifies the traditional plant growth process
- Environmentally friendly
- Produce plant hormones that promote root growth and aid in stress mitigation
- Allows for easy application to seed treatment package
- Brand value





# BioSA

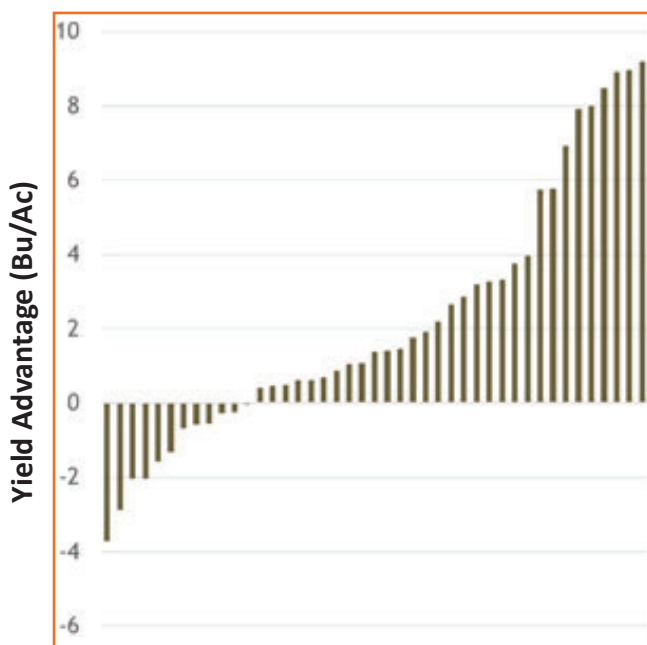
## Physical Properties

Viscosity:	Thick pourable liquid
Form:	Liquid viscous concentrate
Shelf life on seed:	24 months
Shelf life in original container:	18 months

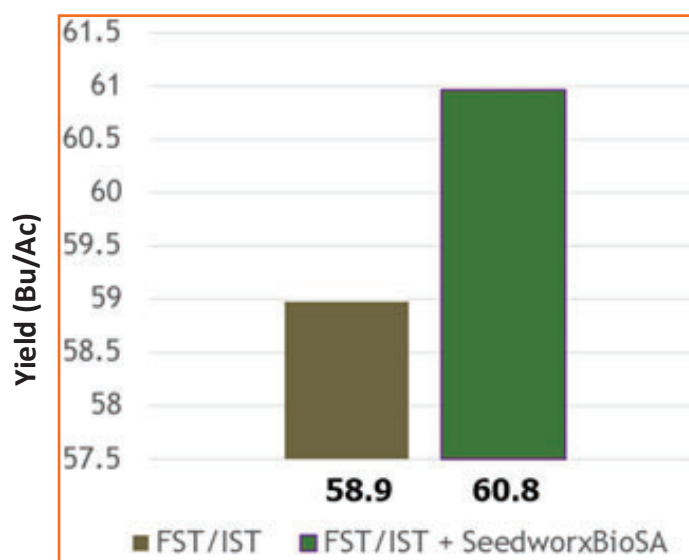
## Soybean Field Evaluation Results

FST/IST vs. FST/IST + Seedworx™ BioSA (3 year data average)

**73% Consistency**



**+1.9 Bu/Ac**



Year: 2015, 2016, 2017

Number of Reps : 133

Locations: Total – 45 (Ohio, Indiana, Illinois, Iowa, Kentucky, Missouri, Nebraska)

Cooperators: All Independent

## Best Practices

Recommended storage in a clean, dry area at ambient temperature (5°C - 30°C range). Material should be stored in original containers and kept closed when not in use. Shelf life of the product kept under these conditions in original container is considered 18 months. Shelf life on seed is considered 24 months. Seedworx™ BioSA is compatible with most FST/IST's. Recommended not to exceed 8 hours in-slurry with FST/IST's. Sequential application may be recommended for some treatment packages.

## Application Guide

This table is purely for guidance only and any mixes should be tested before any large-scale application. Once a mix has been prepared it should be used on the same day. Storage of mixtures is not recommended.