

Soy_{fx}™

For Use On: Soybeans

Soy_{fx}™ is a specific/unique combination of identified and tested microbials that elicit a positive crop response. Soy_{fx}™ unlocks the plant's ability to produce growth regulators and metabolites that enhance production through biosynthetic pathway efficiencies.

KEY BENEFITS

- Flexible Use Options
- Increased Branching, Pods & Nods
- Efficacy After Hail Event
- Plant Stress Mitigation & Reduced Ethylene Production



How Does Soy_{fx} Increase Branching?

Microbes contained within Soy_{fx} manipulate the plant into activating the lower axillary buds into developing branches.

Increased Pods

- Additional branching and less aborted flowers/pods helps support higher pod counts.
- We sampled 145 Soy_{fx} treated plants compared to 145 non-treated plants from the same field
- 28% increase in pod count with the Soy_{fx} treated plants

Increased Nodulation

- Facilitative anaerobic bacteria support the production of nodules in upper inch of soil
- Independent research documented a 23% increase in nodulation with Soy_{fx}
- Nodules fix Nitrogen into a form usable by plants

Efficacy after Hail Event

- Microbes within Soy_{fx} trigger regrowth at point of breakage rather than relying on lower axillary buds
- Soy_{fx} allows for a quicker, more aggressive recovery from a hailstorm resulting in lower yield loss

Application Rates

- **Seed:** 2 ounces per CWT. Can be applied alone or in combination with other seed treatments.
- **In Furrow:** 16 fl. oz. per acre and minimum of 5 gpa total volume.
- **Foliar:** 16 fl. oz. per acre with 10 to 20 gallons water. May be tank mixed with other products. Early vegetative application (V2-V4) would be ideal.
- **Guaranteed Analysis**
- **Non-plant Food:**
 Bacillus megaterium 1x10⁵ CFU/ml
 Bacillus pumilus 1x10² CFU/ml
- Microorganisms exempt from CFR requirements 40 CFR 725
- **Packaging:** 4x1 gallon jugs (seed applied), 2x2.5 gallon jugs (in furrow and foliar), 275 gallon bulk shuttles (in furrow and foliar)

Soy_{fx} treated soybean plants



Untreated soybean plants



Photos taken approximately 1 1/2 months after hailstorm.

Branches, Pods, & Nods

**11%
MORE
BRANCHES**

with Soy_{fx}

**28%
MORE
PODS PER PLANT**

with Soy_{fx}

**23%
MORE
NODULATION**

with Soy_{fx}