

SBb 2.5 Seed Inoculant

Symbiont *Beauveria bassiana*

Biological Seed Inoculant






SBb 2.5 utilizes a natural, beneficial fungus, *Beauveria bassiana*, that forms a symbiotic relationship with plants. JABB strains are isolated from plants, for plants. Once plants are inoculated with **SBb 2.5**, a symbiotic relationship begins immediately as the plant grows, extending colonies throughout the plant's roots, stems, and leaves.

SBb 2.5 is applied at planting with no target disease or insect specified. There is no singular mode of action, rather a response to plant activity favoring its host. Upon germination, **SBb 2.5** is activated and trans-locates via the xylem and phloem

forming an integrated network that works with plant cells, other beneficial organisms, and the environment. This symbiotic partnership elevates the plant's natural ability to resist pathogens and seasonal stressors, which reduces the necessity of single chemical solutions that can harm other beneficial living residents.

Direct contact with seed is preferred to assure plant entry at germination. Applied on, under, or atop of seed allows **SBb 2.5** competitive preference to initial plant roots where *Beauveria bassiana* becomes a premier symbiotic endophyte within the plant.

As an endophyte:

-  Offers competitive exclusion from soil-borne pathogens
-  Resistance to pests and pathogens
-  Improves germination and root development
-  Improves plant defenses
-  Improves photosynthesis efficiency
-  Resists mycotoxin production, resulting in cleaner and safer grains
Sub-threshold levels found in 2016-2021 harvests
-  Increased yield

Corn - average 10 bu/acre
Soybeans - average 6 bu/acre
Wheat - average 7 bu/acre

Liquid

SBb 2.5 - Inoculant

For production of corn, soybeans, wheat, forages, tuber, vegetable crops, and ornamentals.

Promotes plant and soil health among other beneficial microbes.

Active ingredient:
1% *Beauveria bassiana*
(min of 1x10⁸ cfu/ml).

Ingredients: soybean oil and adjuvant, 99%.

NOTE: Store below 90° F and avoid overexposure to sunlight.

Powdered Seed Lubricant

SBb 2.5 - WITH SEED LUBRICANT

SBb 2.5 contains a beneficial microbial that forms an essential symbiotic relationship enhancing plants and soil when established early in plant growth.

Active ingredient:
1% *Beauveria bassiana*,
min of 1x10⁸ cfu/g.

1 acre treatment of SBb 2.5:
2 oz. of 80/20 seed lubricant
(mineral talc and graphite).

NOTE: Store in a facility that is below 90° F.

Application Rates

For best results, apply in direct contact with seed.

SBb 2.5 Liquid Inoculant: Apply 1 oz/acre.

SBb 2.5 with seed lubricant:
Apply 2 oz/acre of 80/20 seed lubricant
(mineral talc and graphite).

For organic crop production please review SPE-120.