



SBb 2.5 and SPE-120 Seed inoculants

Industrial Hemp

SBb 2.5 and SPE-120 contain the natural symbiotic fungus *Beauveria bassiana* that lives throughout the plant. The fungus is isolated from plants and grows with your hemp!

It can have beneficial effects on Yield, Quality, Resistance to Fungal Diseases, Resilience to Flooding and Drought, and Toxin Levels.

Industrial Hemp Trial Oregon September 12 2020



Treated



Untreated

“I can see a size and color difference between treated and not treated. The treated row looks healthier, bigger flowers, better color.” Edgar Winters.

What it does:

- **Primes the plant’s defense system**
- **Physically blocks infections by pathogens**
- **Promotes plant growth**
- **Reported many times by farmers to defend against insect pests**

The product is applied as an inoculant to hemp seeds before planting. The *Beauveria* forms an integrated network with the hemp cells, other beneficial organisms, and the environment. This natural symbiotic partnership elevates the plants natural ability to resist pathogens and seasonal stressors.

Field Trial at Winterfox Farms, Oregon, Summer 2020

In Summer 2020 an industrial hemp field trial was performed at Winterfox Farms, Oregon, where our SBb 2.5 Beauveria product was tested for it's effects on growth and yields using an autoflowering CBD variety.

Variety: Autoflowering industrial hemp

Planting date: August 2020

Harvest date: October 2020

Treatments: SBb 2.5 (\$18/acre) or control.

Product application: Liquid SBb 2.5 was watered in upon transplanting of the seedlings to the soil.

The results were impressive:

A biomass increase – treated plants were bigger

A yield increase – treated plants had larger flowers

Treated plants were darker green

Treated plants were healthier



- The 2018 Farm Bill legalized industrial hemp federally.
- There are huge opportunities in the CBD, fiber, oil, bioplastics, and other industries.
- SPE-120 treatment increased root growth and biomass