

Optimize[®] ST liquid

LCO Promoter Technology for

soybean

ATTENTION:

This Specimen label is provided for general information only.

MINIMUM GUARANTEED ANALYSIS

ACTIVE: 5 billion (5×10^9) viable cfu/g *Bradyrhizobium japonicum*
2 x 10⁻⁷% lipo-chitooligosaccharides

INERT: aqueous carrier

NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

How it Works

Optimize[®] ST products combine LCO technology with quality inoculants. The LCO molecule enhances the soil microbial environment to support the plant's nutritional availability, supporting the growth and yield potential of the crop, while the bacterial inoculant grows on plant roots and forms root nodules which convert, or fix, nitrogen from the air into forms the plant can use.

How to Apply Shake Well Before Using

Treats: 9,072 kg (20,000 lb, 400 units or 56,000,000* seeds)

*Based on 140,000 seeds per unit.

Application Rate

82.8 ml/45.4 kg (2.8 fl oz/100 lb)

For Best Results

Open package only when ready to use.

On-Seed Stability

- 220 days on-seed when applied alone.
- Fungicide compatibility: use only with approved fungicides.

Seed Treatment Recommendations

We do not recommend the use of additional water, polymers, or dyes beyond what is required with the seed treatment.

For a list of compatible seed treatments, contact Novozymes BioAg Limited at 1-888-744-5662.

Directions for Use

- Prepare only as much Optimize ST liquid LCO Technology for soybean as will be used that day.
- Ensure that the treater has been properly calibrated.
- Pour contents of the Liquid Bladder into mix tank.
- Pour in the contents of the Liquid Additive.
- Start mix tank agitation.

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Applicators and Other Handlers

The active ingredients in Optimize ST liquid LCO Technology for soybean are *Bradyrhizobium japonicum* viable cells and lipo-chitooligosaccharides. Eye or skin contact, inhalation, or ingestion should be avoided. Wear standard protective clothing and equipment including gloves and safety glasses. Ensure adequate ventilation. Where exposure through inhalation may occur, use respiratory protective equipment. This product contains microorganisms that may have the potential to provoke sensitizing reactions; use appropriate personal protective equipment (PPE) to reduce exposure. Sensitized individuals should wear a NIOSH-approved respirator. In case of contact with skin or eyes, immediately flush exposed areas with plenty of water. Get medical attention if irritation occurs.

Storage and Disposal

- Store in a cool place, between 4°C (39°F) and 20°C (68°F).
- Do not allow to freeze.
- Minimize temperature fluctuations.
- Store away from sunlight and direct heat sources.
- Use before the expiration date.

Unused Optimize ST liquid LCO Technology and Optimize ST liquid LCO Technology inoculated seed should be disposed of in accordance with applicable civil statutes.

Limited Warranty

The seller warrants that this product contains a minimum number of *Bradyrhizobium japonicum* viable cells and minimum concentration of lipo-chitooligosaccharides as specified on this label. The seller makes no other warranty expressed or implied as to product viability since product storage, use, and growing conditions are beyond the seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts on that condition.