

# Optimize® Gold

liquid LCO promoter technology for

alfalfa

## ATTENTION:

This Specimen label is provided for general information only.

### CONTAINS NONPLANT FOOD INGREDIENT(S)

ACTIVE: 1 million (1 x 10<sup>6</sup>) viable cfu/ml *Sinorhizobium meliloti*  
1 x 10<sup>-7</sup>% lipo-chitooligosaccharides

INERT: Aqueous carrier > 99%

**Read the entire label before using this product. Use only according to label directions.**

### How it Works

Optimize® products combine LCO technology with quality inoculants. The active ingredients in Optimize® Liquid Alfalfa are the *bacterium Sinorhizobium meliloti* and lipo-chitooligosaccharide (LCO). *Sinorhizobium meliloti* forms root nodules which convert, or fix, nitrogen in the air into forms the plant can use. The LCO molecule enhances the soil microbial environment to support the plant's nutritional availability, supporting the growth and yield potential of the crop.

### Application Rate

19.6 fl oz/100 lb (580 ml/45.4 kg)

### Directions for Use

- Product is ready for use and requires no dilution.
- Use contents within 24 hours of opening package.
- Should be used with Nitragin® Gold inoculants for alfalfa.
- If used with seed treatments, apply recommended rate to Optimize Gold Inoculant and agitate.

### Seed treatment recommendations

Application with other seed treatments is possible, but may reduce the planting window. For up-to-date pesticide compatibility information, please call Novozymes BioAg at 1-877-744-5662.

### Applicators and Other Handlers

The active ingredients in Optimize® Liquid Alfalfa are *Sinorhizobium meliloti* and lipo-chitooligosaccharide. Eye or skin contact, inhalation, or ingestion should be avoided. Wear standard protective clothing and equipment including gloves, 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 an 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 Gold and seed to which Optimize Gold has been applied should be disposed of in accordance with applicable Federal, state/provincial, and local requirements, and should not be used for food, feed, or oil purposes. Keep out of reach of children.

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>.

### Limited Warranty

The Seller warrants that this product contains a minimum number of *Sinorhizobium meliloti* 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 or performance 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 the product on that condition. If this product does not perform as warranted above, and to the extent consistent with applicable law, customer's sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of Novozymes BioAg.

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