

Optimize® Gold Inoculant



alfalfa

ATTENTION:

This specimen label is provided for general information only.

- This biological product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state/provincial and local laws and regulations regarding the use of biologicals.
- Before using any biological, be sure the intended use is approved in your state/province or locality.
- Your state/province or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the biological you are using.

MINIMUM GUARANTEED ANALYSIS

ACTIVE: 1 million (1×10^6) viable cfu/ml *Sinorhizobium meliloti*
 1×10^{-7} % lipo-chitooligosaccharides

INERT: Aqueous carrier >99%

NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

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® Gold Inoculant 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.

For retail application only.

Application Rate

19.6 fl oz/100 lb
580 ml/45.4 kg

Unit Treats

3,000 lb
1,361 kg seed

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 Monsanto Company at 1-877-775-8787.

Applicators and Other Handlers

The active ingredients in Optimize Gold Inoculant 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.



Manufactured For
and Guaranteed By:
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, Missouri 63167 USA

For Medical, Transportation,
Spill or Other Emergencies
Call Collect 24 Hours a Day
1-314-694-4000

For Product Use Information
Call: 1-877-775-8787

Optimize® Gold Inoculant



Storage and Disposal

- Store in a cool place, between 39°F (4°C) and 68°F (20°C).
- 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 Monsanto Company.

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Patents that cover Optimize can be found at www.monsantotechnology.com

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