

**Label**

Product Code: XB-I-107

# XiteBio® OptiPlus™

## Multi-Action Liquid Inoculant For Soybean Promotes Soybean Yield and Nodulation

### For In-Furrow Application

#### GUARANTEED MINIMUM ANALYSIS:

**2 Billion (2 X 10<sup>9</sup>) viable *Bradyrhizobium japonicum* per gram**  
**100 Million (1 X 10<sup>8</sup>) viable *Bacillus firmus* per gram**

- ◇ SHAKE WELL BEFORE USE
- ◇ OPEN PACKAGE ONLY WHEN READY TO USE
- ◇ USE BEFORE EXPIRATION DATE
- ◇ STORE IN COOL PLACE BETWEEN 4°C to 25°C, AWAY FROM DIRECT SUNLIGHT AND WIND
- ◇ DO NOT ALLOW TO FREEZE
- ◇ CONTAMINANT FREE

#### **Application Rates (Single Inoculation In-Furrow Application):**

Row Spacing (inches)	Row Spacing (cm)	Component A rate (mL/ac)	Component B rate (mL/ac)	Area treated/case (ac)
30	76	175	139	72
15 - 22	38-56	263	213	47
7 - 15	18-38	350	278	36

**Note:** Rates may vary for dual inoculation or if seeding on virgin ground with no previous history of soybeans. Please contact your local XiteBio representative @ 204-257-0775 for more information.

**NET WEIGHT: 22.6 kg**

**NET CONTENT: 22.6 Liters**

**Lot number:** \_\_\_\_\_ / \_\_\_\_\_

**Use before:** \_\_\_\_\_

#### **NOT A PLANT FOOD PRODUCT**

REGISTRATION NUMBER: 2013069A / 2017037A FERTILIZERS ACT

#### **DIRECTIONS FOR SINGLE INOCULATION IN-FURROW APPLICATION:**

Shake bladders well before using to ensure an even suspension. Settling of bacteria during storage is normal. Ensure liquid delivery system has been properly calibrated and flushed clean of contaminants. Remove spray tips and replace with appropriate flow regulator orifice disc, and direct the solid stream behind the seed planting assembly in the furrow.

**Mixing Procedures:** Clean the applicator tank and fill with 50% of the desired volume of clean water or compatible liquid solution. Add the entire contents from each bladder of XiteBio® OptiPlus™ liquid inoculant to the solution and continue to fill the remainder of the tank. The addition of the remaining water or liquid solution will mix the product adequately. Agitation may be required to maintain a suspension. Do not allow the XiteBio® OptiPlus™ bladders or tank mix to be exposed to direct sunlight or to temperatures below 4°C or above 25°C. When mixing with only water, solution should be applied within 24 hours. For all other products contact XiteBio Technologies Inc. at (204-257-0775) for application window.

# XiteBio<sup>®</sup> OptiPlus<sup>™</sup>

**Application Procedures:** Apply in a solid stream with an appropriate flow regulator orifice disc directly behind the seed into the furrow prior to covering with soil. Do not apply banded to the side, below, above the seed, or directly to the soil surface. Ensure that direct contact is made with the seed. Apply with enough liquid solution to achieve a consistent delivery rate with a minimum of 28-190 liters of solution per hectare. Some chemicals including fungicides, insecticides & fertilizers may be harmful to the inoculant. Contact XiteBio representative for more information (204-257-0775). When dual inoculating or applying XiteBio<sup>®</sup> OptiPlus<sup>™</sup> in conjunction with an on-seed inoculant contact XiteBio representative for more information (204-257-0775).

**Post Application Procedures:** Practice general personal hygiene after using this product. After handling any chemical or biological product, wash arms, hands and face with soap and water before eating, drinking or smoking. Clean application equipment with detergent and water after use. The expiry date is valid only for unopened bladders that are stored appropriately.

**Additional Storage & Handling Information:** Store inoculant in a cool, dry place out of direct wind and sunlight. Store between 4°C to 25°C. Avoid freeze/thaw of product. Follow normal hygiene and housekeeping standards for agricultural products.

#### First Aid:

- ▶ Eyes: Flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.
- ▶ Skin: Wash exposed skin with soap and water. Remove contaminated clothing and launder before reuse.
- ▶ Inhalation: Remove person to fresh air. Get medical attention if irritation persists.
- ▶ Ingestion: Unless advised otherwise, dilute by drinking plenty of water. Seek medical attention if discomfort develops.

#### Accidental Release:

- ▶ Large Spill/Leak: Contain spill and recover for disposal.
- ▶ Small Spills: Spilled liquid may cause slippery residue on hard floors. Flush spill area with water to wash away any slippery residue.
- ▶ This product is not regulated as a hazardous waste. Disposal of unused product and waste effluents should be in accordance with federal, provincial/state, and local waste disposal regulations.

#### LIMITED WARRANTY:

The seller warrants that this product conforms to its label's minimum guarantee of *Bradyrhizobium* and *Bacillus* and is suitable for its intended use if stored and used strictly as per the label directions under normal conditions of use. The seller makes no other warranty, expressed or implied, as to product viability or performance since storage, use, and growing conditions are beyond 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.

XiteBio Technologies Inc. (XiteBio<sup>®</sup>) warrants that this product contains the minimum number of viable cells as specified on the product label at the time of first sale directly to a reseller or directly to an end-user of the product (grower). In this context, a reseller is any person or entity other than a grower that purchases the product. The grower's and/or reseller's exclusive remedy and the limit of the liability of XiteBio<sup>®</sup> for any and all losses, injury, or damages resulting from a breach of this limited warranty (including without limitation claims based on contract, negligence, product liability, strict liability other tort or otherwise), shall be no greater than either, at the election of XiteBio<sup>®</sup>, the price paid by the grower/reseller for the quantity of the product purchased directly from XiteBio<sup>®</sup> or the replacement of such quantity of product. Except as expressly set forth herein, XiteBio<sup>®</sup> shall not be responsible for any liabilities, damages, expenses, costs, or other losses, including, without limitation, loss of profits suffered in connection with the use of the product or suffered directly or indirectly, however occasioned, by the grower, reseller, or any third party. In no event shall XiteBio<sup>®</sup> be liable for any incidental, consequential, special, or punitive damages to the grower, reseller, or any third party. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, in which case the above limitation or exclusion may not apply.

All growers and/or resellers of the product are deemed to have accepted the terms of this Limited Warranty and limitation of liability upon opening the container containing the product, requesting the product to be applied, or use of any equipment or material to which the product has been applied; whichever is earliest. The terms of this Limited Warranty may not be varied by any oral or written agreement.