



NOT A PLANT FOOD PRODUCT

GUARANTEED ANALYSIS

ACTIVE INGREDIENT

ACTIVE: 2 billion (2 x 10⁹) *Bradyrhizobium* sp. *Arachis* viable cells per gram
 1 x 10⁻⁷% Lipo-chitoooligosaccharide
 0.133% Isoflavonoids

INERT: aqueous-based carrier >99%

KEEP OUT OF REACH OF CHILDREN

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

The product does not require a hazard warning label in accordance with GHS criteria.

NET CONTENTS: 4 x 1.1 gallon

SN 101816/0117G

NET WEIGHT: 37 lbs.

MANUFACTURED FOR

HELENA CHEMICAL COMPANY
 225 SCHILLING BOULEVARD, SUITE 300
 COLLIERVILLE, TN 38017
 901-761-0050

PRECAUTIONARY STATEMENTS

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE-LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.

Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Not for human or animal consumption.

Personal Protective Equipment (PPE): Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks when using this product. Take off any contaminated clothing and wash before reuse.

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> Call a POISON CENTER or doctor immediately. Rinse mouth. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor.
IF INHALED:	<ul style="list-style-type: none"> Move person to fresh air and keep at rest in a position comfortable for breathing if they feel unwell. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a POISON CENTER or doctor for treatment advice.
IF ON SKIN OR HAIR:	<ul style="list-style-type: none"> Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency

medical treatment information.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in original container only. Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Keep locked up and out of the reach of children.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading and add rinse water to spray tank. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrecycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

PRODUCT INFORMATION

First Up Peanut Inoculant improves nodulation and growth of the crop with an innovative formulation consisting of an elite strain of inoculant, LCO Promoter Technology and Isoflavonoids (ISO). This triple-action product aids the plant in nodule establishment.

Unused **First Up Peanut Inoculant** should be disposed of in accordance with applicable civil statutes.

APPLICATION RATE

1 oz./1,000 feet of row

DIRECTIONS FOR APPLICATION

- Clean the liquid system with a cleaning solution.** **First Up Peanut Inoculant** is a biological product, which may be sensitive to chemical residues.
- Convert the sprayer to in-furrow application.** Remove spray tips and replace with appropriate flow regulator "orifice discs." Proper orifice disc number may be determined from sprayer manual. The objective is to obtain a solid stream of liquid into the furrow. Place sprayer assembly behind the seed planting assembly so that the solid stream of product will flow into the furrow and onto the seed. **First Up Peanut Inoculant** should be on the seed in the furrow, not to the side, nor above, nor below the seed.
- Mixing instructions.** Fill clean spray tank half full with clean, non-chlorinated water. Pull the **First Up Peanut Inoculant** bladder from the carton, shake well, remove the cap and inner seal, and empty into the cleaned spray tank. For rapid dispensing, hold the **First Up Peanut Inoculant** bladder over the spray tank and cut the corner of the bag. Add one bottle of additive to the application tank with every bladder used. Add remainder of clean, non-chlorinated water to spray tank to the appropriate solution level and maintain agitation of the solution throughout use. Use the diluted product within 24 hours. Do not allow the diluted tank mix to exceed 100°F.
- Application rate/unit coverage.** The **First Up Peanut Inoculant** concentrate is applied in-furrow at a rate of 1 oz./1,000 feet of row. The quantity of **First Up Peanut Inoculant** applied per acre varies depending upon the row width. The measurement chart below provides the recommended rate of **First Up Peanut Inoculant** per acre and also indicated the number of acres treated with each **First Up Peanut Inoculant** unit. **First Up Peanut Inoculant** concentrate must be diluted with clean, cool, non-chlorinated water and applied with a liquid system. The application of the diluted liquid should be approximately 3 to 20 gallons/acre based on equipment used and soil moisture. Calibrate sprayer to deliver correct amount.
- Adverse conditions.** Hot/dry soil: minimize the harmful effects of hot/dry soil on the product applying water as soon as possible (irrigated land). Pivot irrigation – begin the irrigation on the peanuts that were planted first.
 Flooded/waterlogged soil: **First Up Peanut Inoculant** may not perform as well in flooded or waterlogged soil.

U.S. Customary Measurements

ROW WIDTH (inches)	RECOMMENDED RATE FIRST UP PEANUT INOCULANT (ounces/acre)	1.1 GALLON UNIT TREATS (acres)
30"	17	9
36"	15	10
38"	14	11
40"	13	12

1.1 gallon = 142 ounces

CAUTION

- Store in cool, dry place and out of direct sunlight.
- Use before expiration date and only on peanuts.
- Open package only when ready for use.
- Shake well before use.

Disclaimer: Always refer to the label on the product before using Helena or any other product.

- Do not mix with unapproved products.
- For a list of compatible seed treatments, contact your Helena Chemical Company representative.

**CONDITIONS OF SALE—LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The seller warrants that this product contains a minimum number of *Bradyrhizobium* sp. *Arachis*, lipo-chitooligosaccharide viable cells and isoflavonoids as specified on this label. The seller makes no other warranty expressed or implied as to product viability or performance since 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.

The directions on this label are believed to be reliable and must be followed carefully. Failure to follow label directions may cause injury to crops, animals, man or the environment. Helena Chemical Company (the "Company") warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind; express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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