

HiStick® L

Liquid Rhizobium Inoculant

In-furrow treatment for Peanuts

CONTAINS NONPLANT FOOD INGREDIENTS

Soil Amendment Guaranteed Analysis

Bradyrhizobium sp. (Arachis) 2 x 10⁹ colony forming units per mL

FOR PROFESSIONAL USE ONLY

Keep Out of Reach of Children

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

Expiration Date: (on top flap)

Net Contents:

Guaranteed by:
BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

Directions For Use

This product has been especially designed for in-furrow use only. Before using the product, read all the following instructions carefully.

- A. **Clean.** Ensure that the liquid application machinery is fully flushed of chemical residues before adding the inoculant and biological fungicide mixture to spray tanks.
- B. **Configure.** Configure the sprayer for in-furrow application. Select and install an appropriate flow regulator (orifice) disc in order to achieve a consistent, uninterrupted stream of liquid into the furrow. Carefully adjust the positioning and flow of the liquid inoculant and **Subtilex® NG** mixture so that it falls directly onto the seed surface prior to covering in the furrow. Product efficacy may be limited if the inoculant and **Subtilex NG** is either applied above, or to the side of a seed in the furrow.
- C. **Mix.** Prior to use - following the instructions on the enclosed pictograph - add the **Subtilex NG** to the **HiStick® L** bladder. Shake the product well in order to re-suspend any settled out components. Do not open the unit until required. Pour the complete contents into the cleaned spray tank. Adjust the volume of the spray tank to the required level using cool, clean, dechlorinated water (refer to **In-Furrow Application Table** below). Ensure that the inoculant and **Subtilex NG** are thoroughly mixed prior to use. To avoid any settling out of the product, ensure that the spray tank volume is continually agitated. The diluted inoculant must be used within 24 hours. Do not allow diluted tank mix to exceed 80°F.
- D. **Select rate.** The application rate per acre will vary according to row width. For guidance regarding specific application details and treatable areas, please refer to the In-Furrow Application Table below.

In-Furrow Application Table

The supplied liquid inoculant and **Subtilex NG** must be diluted with cool, clean dechlorinated water and applied as indicated on the directions below. Use the table to estimate application volumes for individual row widths.

The concentrated liquid should be diluted with clean, dechlorinated water and applied at 5 to 10 gallons per acre for low volume sprayers, or 10 to 20 gallons per acre for larger sprayers. For a known row width, ensure that the equipment is calibrated to deliver the correct application volume of 1.0 fluid ounce of liquid concentrate per 1,000 linear row feet.

Unless otherwise directed, do not mix inoculant (concentrated or diluted) with fertilizers or pesticides. If soils are especially dry at planting, any risk of damage to the inoculant can be minimized through light irrigation at planting. Increasing inoculation rate will not adversely affect the crop.

Row Width (Inches)	Recommended Application Rate (Ounces Per Acre)	1.1 Gallon Unit Treats (Acres)
24"	22	6.5
30"	17	8.4
32"	16	8.9
36"	15	9.5
38"	14	10.1
40"	13	10.9
42"	12	11.8

Seed Treatment Compatibility: This in-furrow applied inoculant is compatible with most seed treatments. Fertilizer or pesticides should not be co-mixed with the inoculant prior to application unless directed. Please contact your dealer/manufacturer for current details. Please observe planting window recommendations for optimal responses.

Storage and Disposal

Storage: Segregate from foods and animal feeds. Inoculants are live organisms. **Store inoculant between 40°-77°F (4°-25°C), away from direct sunlight. Do not allow products to freeze.** Ensure that inoculant is stored correctly in the field prior to use. **Once opened, use within 24 hours.** Keep diluted inoculant mixture in a cool place out of direct sunlight and use as soon as possible. Any diluted inoculant not used within 24 hours should be discarded. **DO NOT** use inoculant that is past its expiration date or that has not been correctly stored. **Waste Disposal of Substance:** Must be disposed of or incinerated in accordance with local regulations. **Container Disposal:** Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Accidental Release Measures: Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). For large amounts: Dike spillage, Pump off product. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

State Right To Know Description and CAS # / TSN

Proprietary compound / TSN 161090809-5100

**EMERGENCY CONTACT: CHEMTREC 1-800-424-9300
BASF Corporation 1-800-832-HELP (4357)**

This product is not recommended as a fertilizer substitute. Information regarding the contents and levels of metals in this product is available on the Internet at:

<http://www.aapfco.org/metals.html>.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF

Limitations of Use: Any purchaser or user agrees to handle and/or use this product in strict conformity with all limitations of use, including the prohibition of analyzing for content, disassembling, extracting, purifying, or otherwise obtaining any material, for any use whatsoever, from the product in any form. This prohibition specifically includes the growing or culturing of any material for further use of such material (or any progeny thereof) for ANY use

whatsoever. User agrees that this product will only be used as instructed on the product label and only for the crop and purpose stated therein.

HiStick and Subtilex are registered trademarks of BASF.

© 2015 BASF Corporation
All rights reserved.

Guaranteed by:
BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709


We create chemistry