



We create chemistry

SPECIMEN

[Cartons]

# HiStick® L

## Liquid Rhizobium Inoculant

In-furrow treatment for Peanuts

### CONTAINS NONPLANT FOOD INGREDIENTS

#### Guaranteed Analysis

#### Soil Amending Ingredient:

##### Active Ingredient:

Microorganism .....	<1.00%
<i>Bradyrhizobium arachidis</i> .....	2x10 <sup>9</sup> cfu/mL*

Total Other (Inert) Ingredients: .....	99.00%
--	--------

Total: .....	100.00%
--------------	---------

\*colony forming units/milliliter

### FOR PROFESSIONAL USE ONLY

Keep Out of Reach of Children

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

(FL002177)

Expiration Date: (on top flap)

**Net Contents:**

**Net Weight:**

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 # / TSNR**

Proprietary compound / TSNR 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>

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.

**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

*HiStick and Subtilex are registered trademarks of BASF.*

© 2022 BASF Corporation  
All rights reserved.

20220114.NVA 2022-04-0500-0010  
Supersedes: HISTICK L SPEC 09/2018

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

  
We create chemistry

# HiStick® L / Subtilex® NG

## Application Instructions



1. Remove caps from both Liquid bladder and enclosed bottle of **Subtilex NG**.



2. Pierce bladder seals of liquid and **Subtilex NG** and empty complete contents of **Subtilex NG** bottle into bladder.



3. Replace bladder cap, and shake contents for 10 to 15 seconds. The product is ready to apply either on-seed (4a) or in-furrow (4b).



- 4a. **On-Seed Application:** Soybeans product only. Attach flow valve and hose, (including gasket), and invert Bladder above treatment area. Adjust regulator valve as required to match seed flow, (see calibration table on box label). Shake bag prior to dispensing and also following valve closure during application. This will re-suspend any settled-out components. (Refer to label for more information.)



- 4b. **In-Furrow Application:** Soybean or peanut products. Shake bag immediately prior to dispensing bladder contents into in-furrow mix-tank. Agitate diluted tank mix contents to ensure no settling-out of product. (Refer to label for more information.)

# Instrucciones De Aplicación

1. Quítele las tapas a la bolsa con el líquido y a la botella de **Subtilex NG**.
2. Rompa el sello de la bolsa con el líquido y vacíe el contenido del frasco de **Subtilex NG** en la bolsa.
3. Cierre la bolsa de plástico con la tapa y agítela por 10 ó 15 segundos. El producto esta listo para aplicarse en la semilla (4a) ó en el surco (4b).
- 4a. **Aplicación a la semilla: Solo productos de soya.** Conéctele la válvula y la manguera (incluyendo el empaque) y voltee la bolsa sobre el area de tratamiento. Ajuste la válvula reguladora hasta igualar el flujo de la semilla. (Ve tabla de calibración en la etiqueta de la caja. Agite la bolsa antes de aplicar y tambien despues de cerrar la valvula durante la aplicación. Esto dispersará los ingredientes que se hayan asentado. (Ver la etiqueta para mayor información).
- 4b. **Aplicación al surco: productos de soya ó cacahuete.** Agíte la bolsa inmediatamente antes de echar el contenido de la bolsa al tanque mezclador. Agíte el contenido diluido del tanque para asegurarse que el producto no se haya asentado. (Ver la etiqueta para mayor información).