

# HiStick<sup>®</sup> N/T

Group 44 Fungicide

## For Use on Beans (Dry/Snap)

**A unique seed applied sterile co-inoculant, consisting of a high-quality rhizobial inoculant with a biological fungicide**

**Active Ingredients:**

*Bacillus subtilis* strain MBI 600\* ..... 0.001%

**Other Ingredients:** ..... 99.999%

**Total:** ..... 100.000%

\*Contains a minimum of  $2.0 \times 10^9$  viable rhizobial cells per gram acting as a rhizobial inoculant and  $2.0 \times 10^8$  colony forming units per gram *Bacillus subtilis* acting as a biofungicide.

EPA Reg. No. 71840-2

EPA Est. No. 71840-CAN-01

### KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty.**

**You may contact BASF Corporation for emergency medical treatment information at 1-800-832-HELP (4357).**

**Net Contents: 14 Ounces (397 Grams)**

81077673 NVA 2014-05-498-0571  
Product of Canada.

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

<b>FIRST AID</b>	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).</p>	

## Precautionary Statements

### Hazards to Humans and Domestic Animals

**CAUTION.** Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

### Personal Protective Equipment (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

As a general precaution when exposed to concentration of living microbial products such as this, mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY REQUIREMENTS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside.

### Directions For Use

**It is a violation of federal law to use this product in a manner inconsistent with its labeling. DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **4 hours**.

**Exception:** If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soils, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food, or feed by storage or disposal.

### Pesticide Storage

- Store below 77°F (24°C) away from direct sunlight, and under no circumstances allow temperatures to exceed 86°F (28°C) for long periods of time.
- **DO NOT** use inoculant that has passed its expiration date or that has not been stored properly.
- Keep inoculant and inoculated seed in a cool place out of direct sunlight and plant as soon as possible.
- If not planted within 24 hours, seed must be re-inoculated.
- This product is for use **ONLY** with crop(s) named on the front panel.

### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### Container Handling

**Nonrefillable Container. DO NOT** reuse or refill this container. Completely empty package into application equipment. Then offer for recycling if available or dispose of package in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Dispose of box in the same manner. Do not reuse package or box.

## Product Information

**HiStick® N/T** is a ready-to-use seed treatment. **HiStick N/T** has been formulated to provide high numbers of effective nitrogen fixing bacteria and a unique isolate of the bacterium *Bacillus subtilis* (strain MBI 600) which suppresses fungal root disease organisms such as *Fusarium* and *Rhizoctonia*.

**HiStick N/T** is hermetically sealed. After opening pack, squeeze gently to disperse contents. This inoculant is crop specific. Please refer to the front panel for crop use and application rate. Higher than advised application rates will not adversely affect the crop.

## Application Instructions

**HiStick N/T** can be applied using the following method:

**DRY INOCULATION:** Pour the correct amount of inoculant onto thin layers (approx. every 3-6 inches) of seed in drill hopper and mix thoroughly by hand using a stirring device to evenly coat seed. For bulk seed handling systems, the product can be metered directly onto augered seed.

## **DRY & SNAP BEANS (NAVY, KIDNEY, PINTO, GREAT NORTHERN, CRANBERRY, PINK, AND BLACK TURTLE, SNAP & STRING BEANS (PHASEOLUS VULGARIS):**

**For suppression of root diseases caused by *Rhizoctonia* and *Fusarium*, and for improved rhizobial nodulation.** Use at a rate of 7 oz per 100 lbs of *Phaseolus* seed. Can be used with or without water (if water is used, it must be dechlorinated). Open pack, squeeze to disperse contents, and pour the inoculant directly onto the seed in the planter box and mix gently.

### **Seed Treatment Compatibility**

**HiStick® N/T** inoculant is compatible with seed treatment products such as **Custom Seed Gloss™**, **Color Coat™**, or **Custom Color™** and registered pesticide seed treatment products based on **Apron Maxx®**, carboxin, metalaxyl, captan, thiram, thiabendazole, streptomycin, **Vitavax® M** (when dry).

### **Seed Labeling**

Seeds treated with this product that are then packaged or bagged for future use must follow labeling on the outside of the seed package or bag:

"This seed is treated with rhizobial inoculant at the manufacturer's recommended rate. Do not use treated seed for food, feed, or oil purposes.

On soybeans, do not graze or feed livestock on forage and hay in treated areas."

Add appropriate information for any other chemical treatments.

### **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.

*Apron Maxx* is a registered trademark of Syngenta Crop Protection.

*Custom Seed Gloss*, *Color Coat*, and *Custom Coat* are trademarks of BASF.

*HiStick* is a registered trademark of BASF.

*Vitavax* is a registered trademark Chemtura USA Corporation.

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Based on: HiStick® N/T Rev. 8 March 19, 2014

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