

71840-2

02/06/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

FEB 06 2012

Gordon Sargent  
Regulatory & Compliance Manager  
Becker Underwood, Inc.  
801 Dayton Avenue, PO Box 667  
Ames, IA 50010

RE: Product Name: HiStick® N/T  
EPA Reg No: 71840-2  
Application for Notification dated December 20, 2011 and revised January 20,  
2012 to update Container Disposal and to add minor label revisions as per  
PR Notices 2007-4 and 98-10.

Dear Mr. Sargent:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticides Registration Notice (PRN) 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the letter submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Questions concerning this action should be directed to Mary Paden at (703) 308-0411 or email at [paden.mary@epa.gov](mailto:paden.mary@epa.gov).

Sincerely,

*Sheryl K. Reilly*

Sheryl K. Reilly, Ph.D., Chief  
Microbial Pesticides Branch  
Biopesticides and Pollution Prevention  
Division (7511P)


CONCURRENCES

SYMBOL	▶ 7511P						
SURNAME	▶ Paden						
DATE	▶ 06 FEB 12						



Please read instructions on reverse before completing form. 2-28-95

Form Approved. OMB No. 2070-0060. Approval expires

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
	<i>Revised copy to add certification.</i>		

Application for Pesticide - Section I

1. Company/Product Number Becker Underwood/71840-2	2. EPA Product Manager S. Reilly/BPPD	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Becker Underwood/ HiStick® N/T	PM# 92	
5. Name and Address of Application (Include ZIP Code) Becker Underwood, Inc. 801 Dayton Avenue, PO Box 667 Ames, IA 50010 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: <b>Notification Accepted</b> EPA Reg. No. _____ Product Name _____ Date: <i>02/04/2012</i> Reviewer: <i>mg</i>	

Section II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-04 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146. amd 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146. and 156.156. this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section III

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>* Certification must be submitted</b>	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. 17 lb 8 oz No. per Container 20	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt _____ No. per container _____	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 14 oz plastic bag	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Gordon Sargent	Title Regulatory & Compliance Manager	Telephone No. (Include Area Code) 515 232 5907
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received <b>(Stamped)</b>
2. Signature <i>Gordon Sargent</i>	3. Title Regulatory & Compliance Manager	
4. Typed Name Gordon Sargent	5. Date January 30, 2012	



TO: Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S4900, One Potomac Yard  
2777 Crystal Drive  
Arlington, VA 22202

FROM: Gordon Sargent  
Regulatory and Compliance Manager

DATE: Original: December 20, 2011  
Revision 1: January 30, 2012 (added Certification Statement)

SUBJECT: PR Notice 2007-4: Labeling Revisions Required by the Final Rule "Pesticide Management and Disposal; Standards for Pesticide Containers and Containment"  
Product Name: HiStick® N/T  
EPA File Symbol: 71840-2

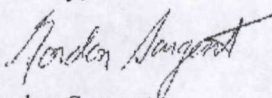
Revisions were made to the HiStick® N/T product label in order to comply with requirements in the above referenced PR Notice.

Included are one markup and four final copies of the draft label, revision number 5.

If any additional information is needed, please feel free to contact me by using the phone number or email address listed below.

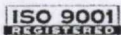
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Sincerely,



Gordon Sargent  
Regulatory and Compliance Manager  
Email: [Gordon.Sargent@beckerunderwood.com](mailto:Gordon.Sargent@beckerunderwood.com)  
Phone: 515 232 5907

Attachments : EPA Form 8570-1  
Draft Labels: one markup, four final





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Notification Accepted

Date:

Reviewer:

# HiStick® N/T

A unique seed applied sterile co-inoculant, consisting of a high quality Rhizobial inoculant with a biological fungicide for use on soybean, alfalfa, beans (dry/snap), and peanuts.

**ACTIVE INGREDIENT:**

*Bacillus subtilis*, MBI 600\* (not less than  $2 \times 10^8$  viable spores per gram).....0.001%

**OTHER INGREDIENTS** ..... 99.999%

**TOTAL:** .....100.000%

\* Contains a minimum of  $2 \times 10^9$  viable rhizobial cells/gram acting as a rhizobial inoculant and  $2 \times 10^8$  cfu/gram *Bacillus subtilis* acting as a biofungicide.

Notification Accepted

Date: 02/06/2012

Reviewer: M.J. Roden

KEEP OUT OF REACH OF CHILDREN

## CAUTION

See Additional Precautionary Statements on Side (Back) Panel

EPA Reg. No.: 71840-2

EPA Est. No.: 71840-CAN-001

Another quality biological product from:

Becker Underwood, Inc.

801 Dayton Avenue, P.O. Box 667

Ames, IA 50010

Tel. (515) 232-5907 (800) 232-5907

[www.beckerunderwood.com](http://www.beckerunderwood.com)

Net Contents: \_\_\_\_\_ Batch code: \_\_\_\_\_

### FIRST AID

If on skin or clothing

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.



## 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: A long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and protective eyewear. As a general precaution when exposed to concentration of living microbial products such as this, all mixers/loaders and applicators must wear a dust/mist filtering respirators meeting NIOSH standard of at least N-95, R-95, or P-95. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables are provided, 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.

#### STORAGE AND DISPOSAL

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

#### 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 and 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 area 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, wear: coveralls, waterproof gloves, shoes plus socks and protective eyewear.

**PRODUCT INFORMATION**

HiStick N/T is a ready-to-use seed treatment. HiStick N/T has been formulated to provide high numbers of an 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*, and *Aspergillus*. The MBI 600 bacteria colonize along the developing root system, promoting more effective nodulation by its nitrogen fixing partner, resulting in a more uniform stand with greater yield potential.

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.

HiStick N/T can be applied using any of the following methods:

**SLURRY INOCULATION** (soybean): Add HiStick N/T at a rate of 2.8 oz per 5.4 fl oz (160 mL) of clean, dechlorinated water and stir well in a clean container to form a lump-free slurry. Not allowing slurry to settle-out, pour inoculant onto seed and mix thoroughly to ensure all seed is evenly coated. Allow seed to dry in a shaded area before placing in seed hopper.

**DAMP INOCULATION** (soybean): Apply just enough dechlorinated water to slightly dampen the seed (1.5 fl oz for 50 lbs seed [approx. 2 mL/kg of seed]). Mix the dampened seed thoroughly with the inoculant so that the seeds are evenly coated.



**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.

**SEED TREATMENT COMPATIBILITY**

[soybeans] HiStick N/T inoculant is compatible with seed treatment such as Custom Seed Gloss™, Color Coat™, or Custom Color™ and pesticide treatment based on Apron- Maxx®, Apron XL, and Maxium 4FS, carboxin, metalaxyl, captan, thiram, thiabendazole, streptomycin, Vitavax® M (when dry). See our web page or contact your dealer/ manufacturer for current details.

[dry & snap beans] HiStick N/T inoculant is compatible with seed treatment such as Custom Seed Gloss™, Color Coat™, or Custom Color™ and pesticide treatment based on Apron- Maxx®, carboxin, metalaxyl, captan, thiram, thiabendazole, streptomycin, Vitavax® M (when dry). See our web page or contact your dealer/ manufacturer for current details.

[peanuts] HiStick N/T inoculant is compatible with most dry seed treatment products. See our web page or contact your dealer/ manufacturer for current details.

**APPLICATION**

**SOYBEANS:** For suppression of root diseases caused by *Rhizoctonia* and *Fusarium*, and for improved rhizobial nodulation.

**On Old Rotated Soybean Land:**

- On pesticide treated seed or untreated seed, use at the rate of 2.8 oz per 100 lbs of seed.

**On New Soybean Land:**

- On seed that has not been pesticide treated (or that has been treated with Syngenta products such as Apron Maxx RTA, Apron XL, or Maxim 4FS), use at a rate of 5.6 oz per 100 lbs of seed.
- With other pesticide treated seed, use at a rate of 11.2 oz per 100 lbs of 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.

**PEANUTS:** For suppression of root diseases caused by *Rhizoctonia*, *Fusarium* and *Aspergillus* and for improved rhizobial nodulation.

Use at a rate of 7 oz per 100 lbs of peanut seed. Some growers have increased yields by using higher application rates – higher rate does not adversely affect the crop. A double rate application is advisable under adverse planting conditions (hot/dry soils) and on land not previously planted to this legume.

Open pack, squeeze to disperse contents, and pour the inoculant directly onto the seed in the plants box and mix gently.



**SEED LABELING**

“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.

**WARRANTY DISCLAIMER**

Becker Underwood, Inc. warrants that this product conforms to the specifications set out on this label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Becker Underwood, Inc. and the sellers of this product MAKE NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE CONDITION, QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OF THIS PRODUCT.

**Inherent Risks of Use:** It is impossible to eliminate all risks associated with the use of this product. Lack of performance, injury, or other unintended consequences may result because of such factors as: use of the product contrary to strict label instructions and established safe practice, abnormal climatic conditions (such as excessive rainfall, drought, and Acts of God), unfavorable soil conditions, use in combination with other products, the manner of application, storage conditions, or other factors, all of which are beyond control of Becker Underwood, Inc., and the seller. All such risks shall be assumed by the buyer.

**Limitation of Remedies:** To the extent permitted by applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Becker Underwood, Inc.’s election, one of the following: (1) replacement of the amount of product used; or (2) refund of the purchase price paid for the product; PROVIDED THAT Becker Underwood, Inc.’s provision of (1) or (2) is conditioned of its first being promptly notified of such loss or damage in writing. To the extent permitted by applicable law, Becker Underwood, Inc. and the sellers of this product SHALL NOT BE LIABLE to the buyer or any other party claiming by, through, or under the buyer for any other losses or damages resulting or relating to this product, including but not limited to any DIRECT, INDIRECT, SPECIAL, PUNITIVE, ECONOMIC, INCIDENTAL, OR CONSEQUENTIAL DAMAGES or loss of profits, whether in contract, tort, or otherwise. Becker Underwood, Inc. neither assumes, nor authorizes any person to assume for it, any other liability in connection with the sale, storage, use, or handling of this product other than as expressly set forth herein.

**ACKNOWLEDGEMENT:** IN PURCHASING THIS PRODUCT, THE BUYER AND ALL PARTIES CLAIMING BY, THROUGH OR UNDER THE BUYER, ACKNOWLEDGE THAT AND AGREE TO THE TERMS AND CONDITIONS SET FORTH ON THIS LABEL AND FURTHER ACKNOWLEDGE THAT THEY FORM PART OF THE CONTRACT OF SALE BETWEEN THE SELLER AND BUYER OF THIS PRODUCT.



HiStick® N/T, Custom Seed Gloss, Color Coat, and Custom Coat are trademarks of Becker Underwood, Inc.

ApronMaxx, is a registered trademark of Syngenta Crop Protection.

Vitavax is a trademark of Uniroyal Chemical Company.