

Subtilex[®] NG

Biological Fungicide

For use as an in-furrow treatment

Active Ingredients:

Bacillus subtilis strain MBI 600..... 9.9%

Other Ingredients: 90.1%

Total: 100.0%

*Contains a minimum of 5.5×10^{10} viable spores per gram.

EPA Reg. No. 71840-8

EPA Est. No.

**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:

BASF Corporation
26 Davis Drive, Research Triangle Park, NC 27709

FIRST AID

If in eyes

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice

HOTLINE 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 BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

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 RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

For terrestrial uses: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment wash water or rinsate.

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 agriculture 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), notification to workers, 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 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, soil, or water, is:

- Coveralls
- Chemical resistant gloves (made of any waterproof material)
- Shoes plus socks

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry place until used. **DO NOT** store this product near food, feed, seed, fertilizers, or other pesticides.

Pesticide Disposal

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal program (often such programs are run by state or local governments or by industry).

Container Handling

Nonrefillable Container. **DO NOT** reuse or refill this container. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. **DO NOT** burn, unless allowed by state and local ordinances.

Product Information

Subtalex® NG contains bacteria that colonize developing root and shoot systems of plants, suppressing by competition disease organisms such as *Botrytis*, *Fusarium*, *Rhizoctonia*, and *Pythium* as well as those organisms causing powdery mildew and anthracnose. Protection against root and soil borne pathogens is extended throughout the growing season as bacteria grow with the roots. As a result of this biological protection, vigorous root and shoot systems are established by treated plants, resulting in more uniform stands and greater yields.

In addition, **Subtalex NG** has been shown to increase the amount of nodulation by nitrogen-fixing bacteria when used on many legumes. This improvement in nodulation is a result of a healthier root system allowing more sites for nodules to form from inoculated or naturally occurring soil borne nitrogen-fixing bacteria.

Subtalex NG is for use in-furrow, in soil or growing media, and for foliar applications to field- and

greenhouse-grown crops. Apply **Subtalex NG** using conventional application equipment as well as irrigation systems commonly used for chemigation.

Application Instructions

FOR USE AS AN IN-FURROW TREATMENT

Apply **Subtalex NG** as a water-based suspension alone, or with other in-furrow products (fungicides, insecticides, nematicides, fertilizers, etc.) via standard agricultural application machinery. Additionally, *Rhizobium* inoculant products such as BASF's **HiStick® L** Liquid Rhizobium Inoculant can also be added to the tank mix. Prior to mixing, determine physical compatibility by mixing proportional quantities of the products in water.

To mix, first add the other in-furrow products to the mix tank with approximately $\frac{1}{2}$ of the required water. While stirring, slowly add the **Subtalex NG** to the slurry until a uniform suspension is obtained. Add the remainder of the required water and maintain continuous agitation. Apply **Subtalex NG** in 5-20 gallons (19-76 L) or water per acre. Do not store mixed slurries for longer than 72 hours.

Do not mix **Subtalex NG** with any other in-furrow products containing a label prohibition against such mixing. When tank-mixing **Subtalex NG** with any other registered in-furrow products (fungicides, insecticides, nematicides, fertilizers, etc.), observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Do not exceed label application dosage rates.

ATTENTION: If *Rhizobium* inoculants are to be used in the tank mix with other in-furrow products (fungicides, insecticides, nematicides, fertilizers, etc.) make sure they are compatible (not harmful) to the *Rhizobium*. Likewise, use only chlorine-free water in the tank mix. Because some ingredients in **Subtalex NG** may be insoluble, provide adequate agitation during the entire time the tank mix is being applied. If one or more products are not compatible (harmful), mix those products in and apply them from a separate mixture.

PEANUTS, COTTON, POD VEGETABLES, SOYBEANS AND CORN

(Reference Table 1) Apply **Subtalex NG** at 0.05-0.50 oz/acre (3.5-35.0 g/ha) following the application procedures listed above. Use the high end of the stated range when severe disease pressure is anticipated.

Table 1

Crops	Use	Diseases	Rate
Agronomic Row or Other Field Crops: Cotton, Pod vegetables, Soybeans, Corn, Peanuts and other agronomic row crops	In-furrow	<i>Rhizoctonia spp.</i> , <i>Pythium spp.</i> and <i>Fusarium spp.</i>	0.05- 0.50 oz/acre 3.5 – 35 g/ha Apply Subtilex® NG in 5 – 20 gallons (19-76 L) of water per acre.

NOTE: **Subtilex NG** expiration is one year from the date printed on the outside of the **HiStick® L** plus **Subtilex NG** co-pack product box.

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.

Subtilex and HiStick are registered trademarks of BASF.

071840-00008.20141027.NVA 2014-04-500-0260

Based on: SUBTILEX® NG Rev. 15 Jan 15, 2014

© 2015 BASF Corporation
All rights reserved.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



We create chemistry