



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 6, 2023

Patricia Flis  
Product Registration Manager  
BASF Corporation  
26 Davis Drive  
PO Box 13528  
Research Triangle Park, NC 27709

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Acceptable Formatting, Typo Corrections and Revisions to the Front Label of Component B  
Product Name: Soy Inoculant + Biological #1  
EPA Registration Number: 71840-32  
EPA Receipt Date: 12/08/2022  
Action Case Number: 00415295

Dear Ms. Flis:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

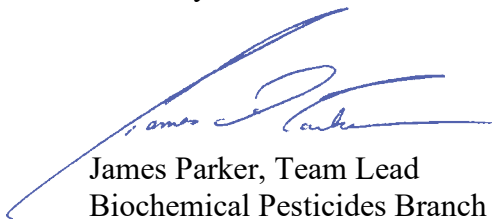
Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to EPA's Office of Enforcement and Compliance Assurance.

Page 2 of 2  
EPA Reg. No. 71840-32  
Action Case No. 00415295

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Alex Horansky via email at [Horansky.alex@epa.gov](mailto:Horansky.alex@epa.gov).

Sincerely,



James Parker, Team Lead  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511M)  
Office of Pesticide Programs

Enclosure

# Soy Inoculant + Biological #1

**ACCEPTED**  
Mar 06, 2023  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 71840-32

## For use as a commercial seed treatment

### Active Ingredient: (Component A)

*Bacillus amyloliquefaciens* strain MBI 600\*\* 6.80%

**Other Ingredients:** 93.20%

**Total:** 100.00%

\* **Component A** contains a minimum of  $2.2 \times 10^{10}$  colony forming units per mL

† Formerly named *Bacillus subtilis* strain MBI 600

### Contains nonplant food ingredients

#### Guaranteed Analysis

### Soil Amending Ingredient: (Component B)

*Bradyrhizobium japonicum*\*\*\* 100.00%

**Total:** 100.00%

\*\*\* **Component B** contains a minimum of  $1.0 \times 10^{10}$  colony forming units per mL

### Active Ingredients: (Component C)

Indole-3-butyric acid 0.02%

Salicylic Acid 0.04%

Chitosan 1.00%

**Other Ingredients:** 98.94%

**Total:** 100.00%

EPA Reg. No. 71840-32

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] [booklet] for complete **Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

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

### Net Contents:

\_\_\_ x \_\_\_ fl oz {qt} **Component A of Soy Inoculant + Biological #1**

\_\_\_ x \_\_\_ fl oz {qt} **Component B of Soy Inoculant + Biological #1**

\_\_\_ x \_\_\_ fl oz {qt} **Component C of Soy Inoculant + Biological #1**

**Batch Code: Located on physical container**

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



We create chemistry

*Bacillus amyloliquefaciens*  
strain MBI 600

Group

44

Fungicide

[Booklet/Base Label attached to Component A]

# Component A of Soy Inoculant + Biological #1

[Alternate Brand Name: **Integral® Liquid Biofungicide**]

## For use as a commercial seed treatment

**Active Ingredient:** (Component A)

*Bacillus amyloliquefaciens* strain MBI 600\*† ..... 6.80%

**Other Ingredients:** ..... 93.20%

**Total:** ..... 100.00%

\* **Component A** contains a minimum of  $2.2 \times 10^{10}$  colony forming units per mL

† Formerly named *Bacillus subtilis* strain MBI 600

EPA Reg. No. 71840-32

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] [booklet] for complete **Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

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

## Net Contents:

\_\_\_ x \_\_\_ fl oz {qt} **Component A of  
Soy Inoculant + Biological #1**

**Batch Code: Located on physical container**

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

## 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 at 1-800-832-HELP (4357).

## Precautionary Statements

### Personal Protective Equipment (PPE)

The PPE requirements apply to both Worker Protection Standard (WPS) uses (in general, agricultural-plant uses are covered by the Worker Protection Standard (40 CFR Part 170)) and Non-WPS uses.

#### Applicators and other handlers must wear:

- Long-sleeve shirt and long pants
- Waterproof gloves
- Shoes plus socks

Mixers/loaders and applicators must wear a NIOSH-approved particulate respirator with any N, P, or R filter with NIOSH-approval number prefix TC-84A or a NIOSH-approved powered air purifying respirator with an HE filter with NIOSH-approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Follow the manufacturer's instructions for cleaning/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:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## Environmental Hazards

*Environmental hazards statements for the following container sizes: 3.4 fl ozs, 6.8 fl ozs, and 13.6 fl ozs*

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 washwater or rinsate.

*Environmental hazards statements for the following container sizes: 30 gal and 265 gal*

**DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters

unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## 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 state or tribal 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, soil or water is:

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

## NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treatment area until seeds have dried or been packaged.

## STORAGE AND DISPOSAL

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

### Pesticide Storage

Ensure container closures are tight. Store in a cool, dry place.

### 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 facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

### Container Handling

*For containers with capacities less than or equal to 5 gallons*

**Nonrefillable container. DO NOT** reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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. If burned, stay out of smoke.

*(continued)*

## STORAGE AND DISPOSAL *(continued)*

### Container Handling *(continued)*

*For containers with capacities more than 5 gallons*

**Nonrefillable container. DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact Ag Container Recycling Council at 877-952-2272 or [www.acrecycle.org](http://www.acrecycle.org). Alternatively, puncture and dispose of in a sanitary landfill or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

## In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

## Product Information

**Soy Inoculant + Biological #1** contains bacteria that colonize germinating seeds and inhibit seed pathogens such as *Alternaria* spp. The same bacteria then colonize the developing root systems of plants and suppress disease organisms that attack such root systems (e.g., *Fusarium* spp., *Rhizoctonia* spp. and under some conditions, *Pythium* spp.). As root systems develop, the bacteria grow with the roots, extending the protection throughout the growing season. Because of this biological protection, vigorous root systems are established by plants, which often results in more uniform stands, and greater yields.

In addition, **Soy Inoculant + Biological #1** has been shown to increase root nodulation by nitrogen-fixing bacteria when used on legumes. This increase in nodulation is a result of a healthier root system allowing formation of more sites for nitrogen-fixing nodules.

## Label statement required by the State of Oregon

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.html>

## Use Limitations

**Chemigation: DO NOT** apply this product through any type of irrigation system.

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## Application Instructions

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### For Use as a Commercial Seed Treatment

**Note:** This product does not contain dye and is not covered by an appropriate tolerance, tolerance exemption, or other clearance under the Federal Food, Drug and Cosmetic Act. To comply with 40 CFR 153.155, therefore, all seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for man or feed for animals.

The Federal Seed Act requires that bags containing seed treated with this product shall be labeled with the following information: "This seed has been treated with *Bacillus amyloliquefaciens* strain MBI 600. **DO NOT** use for food, feed, or oil purposes."

**Mixing Instructions:** Apply **Soy Inoculant + Biological #1** as a water-based slurry alone, or with other seed treatment products (fungicides, insecticides, nematocides, fertilizers, etc.). Additionally, rhizobial inoculant products can be added to the tank mix.

Prior to mixing, determine physical compatibility by mixing proportional quantities of the products in water. **DO NOT** mix **Soy Inoculant + Biological #1** with any other seed treatment product that bears a label prohibition against such mixing. When tank mixing **Soy Inoculant + Biological #1** with any other seed treatment product, observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

**ATTENTION:** If rhizobial inoculants are to be used in the tank mix with other seed treatments (fungicides, insecticides, nematocides, fertilizers, etc.), make sure that they are compatible (not harmful) to the rhizobia. Likewise, use only cool, chlorine-free water in the tank mix. If one or more treatments are not compatible (harmful), mix those products in, and apply them from, a separate mix tank.

To mix, first add the other seed treatment product(s) and/or the rhizobial inoculant product(s) to the mix tank with approximately 1/2 of the required water. Slowly add **Soy Inoculant + Biological #1** to the slurry until a uniform suspension is obtained. Add the remainder of the water while maintaining constant agitation. **DO NOT** store mixed slurries for longer than 24 hours.

**Application Instructions:** For suppression of seed pathogens (e.g. *Alternaria* spp.) and plant root pathogens (e.g., *Rhizoctonia* spp. and *Fusarium* spp.) and/or to increase nutrient uptake and the amount of nodulation by nitrogen-fixing bacteria (legumes), apply at least 6.0 fl ozs of total slurry per 100 lb of seed or at least 600 fl ozs of total slurry per 10,000 lb of seed. Some ingredients in **Soy Inoculant + Biological #1** may not completely solubilize; therefore, it is important to maintain a uniform suspension by continuously agitating the solution throughout the application process. **DO NOT** exceed label application dosage rates.

### Soybeans - Soy Inoculant + Biological #1 Only

For suppression of plant root pathogens (e.g., *Rhizoctonia* spp. and *Fusarium* spp.) and to increase the amount of nodulation by nitrogen-fixing bacteria, apply at a rate of 0.136 fl oz (4 mL) of **Soy Inoculant + Biological #1** per 100 lb (45 kg) of soybean seed. Follow the mixing and dilution procedures described above.

Standard Mixing and Application Rate Information						
Units of Soybean Seed to Treat	Amount of Component A - Biofungicide	Amount of Component B - Rhizobial Inoculant	Amount of Component C - For Early Germination and Quicker Root Development	Amount of Cool, Non-Chlorinated Water	Final Application Rate (fl ozs slurry/CWT seed)	Final Application Rate (fl ozs slurry/140K seed count unit)
<b>When Applying with Other Additional Seed Treatments*</b>						
400 units	27.2 fl ozs (one bottle)	200 fl ozs (one bladder)	80 fl ozs (one bottle)	0	1.54 fl ozs/CWT seed***	0.77 fl oz per 140K seed count unit***
40 units	2.72 fl ozs (one bottle)	20 fl ozs (one bladder)	8 fl ozs (one bottle)	0	1.54 fl ozs/CWT seed***	0.77 fl oz per 140K seed count unit***
<b>When Applying as a Stand-alone Treatment**</b>						
400 units	27.2 fl ozs (one bottle)	200 fl ozs (one bladder)	80 fl ozs (one bottle)	893 fl ozs	6.0 fl ozs/CWT seed***	3.0 fl ozs per 140K seed count unit***
40 units	2.72 fl ozs (one bottle)	20 fl ozs (one bladder)	8 fl ozs (one bottle)	89.3 fl ozs	6.0 fl ozs/CWT seed***	3.0 fl ozs per 140K seed count unit***
<p><b>NOTE – If TOTAL application volume of all seed treatments being applied to the seed (including volume of these components at 1.54 fl ozs/CWT of seed) is less than 6.0 fl ozs/CWT of seed, add sufficient volume of non-chlorinated water to the product to achieve a TOTAL application volume of at least 6.0 fl ozs/CWT of seed in order to ensure uniform seed coverage.</b></p> <p>* When total liquid volume of all treatments being applied to the seed is equal to or greater than 6.0 fl ozs/CWT of seed, <b>DO NOT</b> add any water to the product mixture.</p> <p>** When applying product without additional seed treatments, it is required to add non-chlorinated water to attain a total liquid application rate of 6.0 fl ozs/CWT of seed.</p> <p>*** At average 2,800 seeds per pound.</p>						



## 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 the presence of other or untested or unapproved materials, seed of low quality or low vigor or low germination, use of the product in a manner inconsistent with its labeling, misapplication of this product, or weather conditions at planting or environmental conditions during seed storage, 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 THIS 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** that may be varied only by agreement in writing signed by a duly authorized representative of BASF.

*Integral* is a registered trademark of BASF.

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071840-00032.20221129.NVA 2022-04-0687-0225  
Supersedes: NVA 2022-04-0687-0094

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

  
We create chemistry



We create chemistry

[Text printed on bladder of Component B. Text is limited due to limitations in inkjet technology]

# Component B of Soy Inoculant + Biological #1

EPA Reg. No. 71840-32

Batch Code:



# Component C of Soy Inoculant + Biological #1

[Alternate brand name: **CONSENSUS®**]

## SEED TREATMENT

FOR USE ONLY BY COMMERCIAL SEED TREATMENT FACILITIES

A unique seed treatment designed to promote early germination and quicker root development.

### ACTIVE INGREDIENTS:

Indole-3-butyric acid: .....	0.02%
Salicylic Acid: .....	0.04%
Chitosan: .....	1.00%
<b>OTHER INGREDIENTS:</b> .....	<b>98.94%</b>
<b>TOTAL:</b> .....	<b>100.00%</b>

EPA REG. NO. 71840-32

EPA EST. NO.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<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 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have the person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move the person to fresh air.</li> <li>• If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.**

### Net Contents:

\_\_\_ x \_\_\_ fl oz {qt} **Component C of Soybean Inoculant + Biological #1**

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS  
AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment (PPE):  
Applicators and other handlers must wear:**

- Long sleeved shirt and long pants,
- Shoes plus socks, and
- Waterproof gloves. Particulate dust mask when mixing.

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

**USER SAFETY RECOMMENDATIONS**

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

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 cleaning equipment or disposing of equipment washwaters.

**[Additional statements for containers greater than 5.0 gallons:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.] Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seeds spilled during loading.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. 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.

**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:** After treated seeds are planted, the Worker Protection Standard, under certain circumstances, allows workers to enter the planted areas 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, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants,
- Shoes plus socks,
- Waterproof gloves, and
- Protective eyewear.

Not for food use.

Do not use treated seed for food, oil or feed purposes. Store treated seed away from food and feedstuffs. Do not allow children, pets or livestock to have access to treated seeds. Cover or collect treated seeds spilled during loading and planting (such as in row ends). Dispose all excess treated seed by burying seed away from bodies of water. Dispose of seed packaging or containers in accordance with local requirements.

**GENERAL INFORMATION**

**Growth Enhancement**

Use **Soy Inoculant + Biological #1** to increase plant health and vigor, to increase root mass, and to enhance crop quality and production.

**USE RESTRICTIONS**

Not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.

**Coloring**

All seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for man or feed for animals.

## Mixing with Other Seed Treatment Products

Read and follow the entire label of each product to be used in combination with this product.

## Use Promptly

Use product within 8 hours of mixing with water. Reseal unopened containers to minimize exposure to air and moisture.

## APPLICATION INSTRUCTIONS

**Soy Inoculant + Biological #1** may be applied as a seed treatment by commercial seed treatment facilities. Mix thoroughly and treat seed. Use application rates as specified on crops listed below. **Soy Inoculant + Biological #1** may be mixed with certain other commercial seed treatments. Use of the resulting mix must be in accordance with the more restrictive label limitations and precautions. Allow treated seeds to dry as appropriate before further handling.

## Slurry Treatment

**Soy Inoculant + Biological #1** may be applied as a water-based slurry through standard slurry or mist-type commercial seed treatment equipment. Add an EPA-approved dye (40 CFR Section 180.910-920) or colorant that imparts unnatural color to resulting slurry. Mix the slurry thoroughly with the seeds to provide uniform coverage.

**Soy Inoculant + Biological #1** must be applied with a total slurry of at least 6.0 fluid ounces per 100 pounds of seeds. Note that this slurry volume may be composed of water or other EPA approved insecticides, fungicides, or other seed treatments. Always apply enough solution to ensure adequate seed coverage.

Seeds	Amount of Soy Inoculant + Biological #1 solution in fl oz per 100 lb weight
Soybeans	0.33 to 1.00 fl oz

## NOTE:

1. The slurry rate can be adjusted to ensure thorough coverage.
2. **Soy Inoculant + Biological #1** is compatible with other agrochemicals. However, pre-testing evaluation is required.
3. Store in cool, dry and dark conditions.
4. The Federal Seed Act requires that bags containing seed treatment with this product shall be labeled with the following information:

“This seed has been treated with Salicylic acid, Chitosan and Indole-3-butyric acid. Do not use for food, feed or oil purposes.”

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry location, out of direct sunlight, and away from exposure to air and moisture. Do not store in temperatures over 110 °F for more than seven days.

**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 this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrecycle.org](http://www.acrecycle.org). If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**For packages up to 5 gallons: Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

(continued)

## **STORAGE AND DISPOSAL** *(continued)*

### **CONTAINER HANDLING:** *(continued)*

#### **For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows:**

Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 56 gallons:** To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**For refillable containers:** Refill this container with **Soy Inoculant + Biological #1** only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For final disposal offer for recycling or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**For help with any spill leak, fire or exposure involving this material call day or night CHEMTREC -1-800-424-9300.**

## **CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**BEFORE BUYING OR USING THIS PRODUCT** read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

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