

## ATTENTION:

This specimen label is provided for general information only.

- This pesticide product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label. You must have the EPA approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the pesticide you are using.

40108J3-1

# ACCELERON<sup>®</sup> DX-910

## Biological Fungicide Seed Treatment

### FOR USE AS A SEED TREATMENT

Active Ingredient:

<i>Bacillus subtilis</i> , strain MBI 600* .....	5.00%
Other Ingredients:.....	95.00%
Total: .....	100.00%

\*Contains not less than  $2.2 \times 10^{10}$  viable spores per mL

EPA Reg. No. 71840-5-524

EPA Est. No. 67064-IA-001

## KEEP OUT OF REACH OF CHILDREN

See Additional Precautionary Statements on Label

### PRECAUTIONARY STATEMENTS

#### FIRST AID HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information on Acceleron<sup>®</sup> DX-910 Biological Fungicide Seed Treatment, call 1-800-332-3111.

#### Personal Protective Equipment (PPE)

The PPE requirements below 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-sleeved shirt and long pants
- Waterproof gloves
- 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/maintaining PPE. If no such instructions for washables, 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

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

#### Non-Agricultural Use Requirements

The requirements in this box apply to uses that are NOT within the scope of the Worker Protection Standard 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.

### PRODUCT INFORMATION

Acceleron<sup>®</sup> DX-910 Biological Fungicide Seed Treatment 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 improved nutrient uptake, more uniform stands, and greater yields.

In addition, Acceleron<sup>®</sup> DX-910 Biological Fungicide Seed Treatment 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.

#### USE LIMITATIONS

**Chemigation:** Do not apply this product through any type of irrigation system.

#### 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 subtilis*, strain MBI 600. Do not use for food, feed or oil purposes."

**Mixing Instructions:** Apply Acceleron® DX-910 Biological Fungicide Seed Treatment as a water-based slurry alone, or with other seed treatment products (fungicides, insecticides, nematocides, fertilizers, etc.). Additionally, *Rhizobium* inoculant products, such as VAULT® HP Growth Enhancement System, 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 Acceleron® DX-910 Biological Fungicide Seed Treatment with any other seed treatment product that bears a label prohibition against such mixing. When tank mixing Acceleron® DX-910 Biological Fungicide Seed Treatment with any other seed treatment product, observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

**ATTENTION:** If *Rhizobium* 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 *Rhizobium*. 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 *Rhizobium* inoculant product(s) to the mix tank with approximately ½ of the required water. Slowly add Acceleron® DX-910 Biological Fungicide Seed Treatment 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 preventative control and 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 5.0 fl oz of total slurry per 100 lb of seed or at least 3.9 gal of total slurry per 10,000 lb of seed. Some ingredients in Acceleron® DX-910 Biological Fungicide Seed Treatment 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.

Because smaller seed has a greater surface area to volume ratio than larger seed, the average size of the seed being treated influences the application rate. Therefore, for each crop that has a range in the rate of application, apply Acceleron® DX-910 Biological Fungicide Seed Treatment at rates from the higher end of the specified application rate range when treating smaller seed. Additionally, use the higher end of the specified application range when treated seed is to be planted in fields that historically experience severe disease pressure.

#### CANOLA

For preventative control and suppression of seed pathogens (e.g. *Alternaria spp.*) and plant root pathogens (e.g., *Rhizoctonia spp.* and *Fusarium spp.*), apply Acceleron® DX-910 Biological Fungicide Seed Treatment at a rate of 1.91 gal (7.2 L) per 10,000 lb (4,536 kg) of canola seed. Follow the mixing and dilution procedures described above.

### Storage and Disposal

Do not contaminate water, food, or feed by storage and 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:** 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 ¼ 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.

### Notice – Read Carefully Before Using

#### Conditions of Sale and Limited Warranty Statement

Monsanto Company warrants that this product conforms to the specifications on this label and is reasonably fit for the purposes stated on this label when used in strict accordance with the directions, subject to the inherent risks set forth below.

To the extent permitted by applicable law, Monsanto Company MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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

**Limitations 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 Monsanto Company's election, one of the following: (1) replacement of the amount of the product used; or (2) refund of the purchase price paid for the product. Monsanto Company shall not be liable for losses or damages resulting from handling, storage, or use of this product contrary to label instructions unless Monsanto Company is promptly notified of such loss and damage in writing. To the extent permitted by applicable law, Monsanto Company shall not be liable for consequential or incidental damages or losses. Monsanto Company 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 warranted by this label.

**Acceleron®** is a registered trademark of Monsanto Technology LLC. **VAULT®** is a registered trademark of Becker Underwood, Inc.

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