

## 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.

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# ACCELERON<sup>®</sup>

## DX-612

### Fungicide Seed Treatment

For seed treatment use on cotton and soybean

Group **7** Fungicide

#### Active Ingredient:

fluxapyroxad\*: 1*H*-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro [1,1'-biphenyl]-2-yl) ..... 28.70%

**Other Ingredients:** ..... 71.30%

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

\*Equivalent to 2.72 pounds of active ingredient per gallon

EPA Reg. No. 7969-308-524

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCIÓN

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.)

**In case of an emergency endangering life or property involving this product, call day or night 1-314-694-4000.**

FIRST AID	
<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 person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to by a poison control center or doctor.</li><li>• <b>DO NOT</b> give anything to an unconscious person.</li></ul>
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 Monsanto Company for emergency medical treatment information: 1-314-694-4000	

#### Precautionary Statements

#### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if swallowed.

#### Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are listed below. For more options, refer to **Category A** on an EPA chemical-resistance category selection chart.

#### Applicators and other handlers must wear:

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

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:

- 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. As soon as possible, wash thoroughly and change into clean clothing.

#### Environmental Hazards

This pesticide is toxic to fish. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

**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 the regional office of the EPA. **DO NOT** contaminate water when disposing of equipment washwaters.

#### 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.

#### Storage and Disposal

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

**Pesticide Storage:** Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed.

**Pesticide Disposal:** Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

**Container Handling: Nonrefillable Container. DO NOT reuse or refill this container.** Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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.

**Triple rinse containers too large to shake (capacity > 5 gallons) 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 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.

#### In Case of Emergency

##### In case of large-scale spillage regarding this product, call:

- CHEMTREC 1-800-424-9300
- Monsanto Company 1-314-694-4000

##### In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- Monsanto Company 1-314-694-4000

##### Steps to be taken in case material is released or spilled:

- In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

## Product Information

**Acceleron® DX-612 Fungicide Seed Treatment** is a broad-spectrum fungicide that provides preventive seed and seedling protection from several seed and soilborne diseases. Make all applications according to the use directions in this label. Use the higher rates of **Acceleron® DX-612 Fungicide Seed Treatment** when disease pressure is expected to be high.

### Resistance Management

Fluxapyroxad, the active ingredient of **Acceleron® DX-612 Fungicide Seed Treatment**, belongs to the group of respiration inhibitors classified by the U.S. EPA and Canada PMRA as a target site of action **Group 7** fungicide. Due to the minimal amounts of **Acceleron® DX-612 Fungicide Seed Treatment** applied to the seed, the potential for development of resistance is low. Seed treatments of **Acceleron® DX-612 Fungicide Seed Treatment**, therefore, can be followed by foliar use, and resistance management guidelines of foliar use fungicides containing fluxapyroxad as specified on the respective labels should be followed.

## Application Instructions

**For use at commercial treatment facilities. Not for use on farm.**

Apply **Acceleron® DX-612 Fungicide Seed Treatment** as a water-based mixture using standard slurry or mist-type seed treatment application equipment. The exact amount of water needed to provide the mixture or slurry rate (ml/100 kg or oz/cwt of seed) for optimum coverage is difficult to predict because weather conditions (hot or cold), seed type and surface, and equipment used all have a bearing on coverage. Consult a seed treatment specialist regarding slurry rates recommended for the crop seed to be treated with **Acceleron® DX-612 Fungicide Seed Treatment**. The required amount of **Acceleron® DX-612 Fungicide Seed Treatment** must then be diluted with the specified amount of water that will provide uniform and complete coverage on the seed surface. Uniform application on seed and complete seed coverage are necessary for seed safety and best disease protection. Seed must be of a good quality and well cleaned prior to treatment.

The purchaser of **Acceleron® DX-612 Fungicide Seed Treatment** is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed. Any dye or colorant added to treated seed must be cleared for use under 40CFR, Part 180.900, "Exemptions from the requirement of a tolerance". Federal regulations have established official tolerances or exemptions from tolerances for residues on food and forage crops that must not be exceeded when the product (dye or colorant) is used at specified rates.

Consult the seed treatment specialist for calibration and operation procedures of the seed treatment equipment being used. Mechanical agitation is required for proper mixing of **Acceleron® DX-612 Fungicide Seed Treatment**. Prepare no more mixture of **Acceleron® DX-612 Fungicide Seed Treatment** than is needed for immediate treating. Add 3/4 of the required volume of water to the mix tank. With agitation running, add the required amount of **Acceleron® DX-612 Fungicide Seed Treatment** in the tank along with other seed treatment components. Add the remaining 1/4 amount of the required volume of water. Use the mixing sequence that follows. Agitate thoroughly before and during application.

### Acceleron® DX-612 Fungicide Seed Treatment With Tank Mix Partners

**Acceleron® DX-612 Fungicide Seed Treatment** mixes easily with water and other water based seed treatments. When using **Acceleron® DX-612 Fungicide Seed Treatment** in a tank mixture with seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations that appear on the tank mix partner label. Label dosage or application rate must not be exceeded, and the most restrictive label precautions and limitations must be followed. **Acceleron® DX-612 Fungicide Seed Treatment** must not be mixed with any product that prohibits such mixing. All applications must be made according to the use directions.

When mixing **Acceleron® DX-612 Fungicide Seed Treatment** with seed treatment products, test the compatibility prior to use by conducting a jar test as follows:

1. Mix all intended seed treatments with the appropriate amount of water in a clear glass container.
2. Mix well and allow to sit for 1 hour.
3. Remix and observe for incompatibility.

Physical compatibility is only part of compatibility. Testing also needs to be done with the seed to make sure the combination of products does not have detrimental effects on the seed.

### Tank Mixing Instructions

1. Add 3/4 of the required amount of water to the mix tank and turn on the agitation. Mechanical agitation is preferred.
2. Use the following mixing sequence: dye or colorant, wettable powders, soluble powders, flowable formulations, emulsifiable concentrates, and remaining 1/4 of the required water. The 1/4 of the required water as the last item for addition to the premix tank can be used as rinsate for the chemical container or to adjust the total slurry to compensate for water displacement by powdered products.
3. Maintain agitation until the entire slurry mixture has been used.
4. Ensure that seed is dry prior to bagging.

**SEED LABELING NOTE:** Federal law requires that bags of treated seed shall be labeled with the following: "**This seed has been treated Acceleron® DX-612 Fungicide Seed Treatment containing fluxapyroxad. DO NOT use for food, feed or oil purposes. Store away from food and feedstuffs.**"

The seed label should also include the following: "**Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.**"

### Acceleron® DX-612 Fungicide Seed Treatment Crop-specific Use Directions for Seed Treatment

Crop	Target Disease	Product Use Rate ml/100 kg seed (gram ai/100 kg seed)	Product Use Rate* fl ozs/100 lbs seed (lb ai/100 lbs seed)
Cotton	Seed and seedling disease (damping-off) caused by <i>Rhizoctonia solani</i>	31 to 61 (10 to 20)	0.47 to 0.94 (0.01 to 0.02) (0.01 to 0.02 mg ai per seed) <sup>1</sup>
Soybean ( <i>Glycine</i> spp.)	Seed and seedling disease (damping-off) caused by <i>Rhizoctonia solani</i>  Suppression of seed and seedling disease caused by <i>Fusarium</i> spp.	15 to 31 (5 to 10)	0.24 to 0.47 (0.005 to 0.01) (0.0082 to 0.0161 mg ai per seed) <sup>2</sup>

\*Mg ai per seed rates based on the following seed weights:  
<sup>1</sup>Cotton: 4500 seeds per pound  
<sup>2</sup>Soybean: 2800 seeds per pound

## 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 the product, or weather conditions at planting or environmental conditions during seed storage, all of which are beyond the control of Monsanto Company or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

Monsanto Company 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, MONSANTO 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 MONSANTO'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAIRMENT OF THE PURCHASE PRICE OF THE PRODUCT.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MONSANTO AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

Monsanto Company 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 Monsanto Company.

**Acceleron® DX-612 Fungicide Seed Treatment** is specially formulated for and sold by Monsanto Company for the control of pests according to the directions on this label. The purchase price of **Acceleron® DX-612 Fungicide Seed Treatment** includes a royalty whereby the purchaser acquires a prepaid license under U.S. Patent No. 5,438,070 and (pending No. 2008/0153707 A1) under which purchaser agrees to employ the purchased quantity of **Acceleron® DX-612 Fungicide Seed Treatment** only for the above-specified uses under United States patent rights and to provide notice of the terms and conditions of this license to any subsequent purchaser. Uses of **Acceleron® DX-612 Fungicide Seed Treatment** other than those specified on this label are not licensed through the purchase of this product and the use of this product for other purposes may violate this license and patent rights.

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