

# ACCELERON<sup>®</sup> D-281

## Fungicide Seed Treatment

For use as a seed treatment on field corn, cotton and soybean seed for the protection against listed plant pathogenic fungi.

**ACTIVE INGREDIENT(S):**

Fluoxastrobin: ((2E)-(2-[6-(2-chlorophenoxy)-5-fluoro-4pyrimidinyl] oxy phenyl)-(5, 6-dihydro-1, 4, 2-dioxazin-3yl) methanone O-methyloxime)\* ..... **41.40%**

**OTHER INGREDIENTS:** ..... **58.60%**

**TOTAL:** ..... **100.00%**

Contains 4.00 pounds fluoxastrobin per U.S. gallon (480 grams AI/liter)

\*CAS No. 361377-29-9

EPA Reg. No. 264-1169

### KEEP OUT OF REACH OF CHILDREN

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For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

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Please refer to booklet for additional precautionary statements and directions for use.

US84410217D [190813Dv2](#) 07/20

## PRECAUTIONARY STATEMENTS

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Workers involved with treating the seed (e.g. connecting and disconnecting hoses and transfer pumps, mixing, equipment calibration, etc.) and others exposed to the concentrate, and cleaners/repairers of seed treatment equipment must wear a long-sleeved shirt and long pants, shoes plus socks, and waterproof (butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils, and viton  $\geq 14$  mils) gloves.

Baggers and bag sewers must wear a long-sleeved shirt and long pants, and shoes plus socks.

#### Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Shoes plus socks
- Water-proof gloves

### USER SAFETY REQUIREMENTS

Follow 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.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. The active ingredient in this product can be persistent for several months or longer. Do not apply to water or to areas where surface water is present or to intertidal areas below the mean high water mark, or other sensitive areas that may be exposed to spray drift. Do not contaminate water when disposing of equipment washwaters or rinsate.

Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seed spilled during loading.

## CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks 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 the manner of use or application, all of which are beyond the control of Bayer CropScience. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product.**

Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

### PRODUCT INFORMATION

ACCELERON D-281 FUNGICIDE SEED TREATMENT:

- is a broad spectrum seed treatment labeled for the control or suppression of certain plant pathogenic fungi that cause seed and seedling blight.
- Aids in the suppression of late season stalk rot caused by *Fusarium* spp. & *Colletotrichum* spp.
- Labeled for use on corn (field corn and field corn grown for seed), cotton, and soybean.
- Read the entire label and observe all label directions, restrictions, and precautions before use.

### APPLICATION INSTRUCTIONS

- Uniform application of seed is necessary to ensure seed safety and best disease protection.
- Dilute with a sufficient amount of water to achieve uniform application to seed which is necessary to ensure seed safety and best disease control.
- Use high quality, properly cleaned seed.

### USE RESTRICTIONS

- For use only in commercial seed treatment facilities. Not for use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.
- Do not use this product except as directed on this label or on other EPA approved supplemental labeling for this product.

- Seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye to prevent accidental use of treated seed as food for humans or feed for animals. Refer to 21CFR, part 2.25. Any colorant added to treated seed must be cleared for use in accordance with 40CFR, part 153.155(c).
- Not for Sale, Sale Into, Distribution and/or Use in Nassau and Suffolk Counties of New York State.

Refer to the specific use directions and restrictions in each Crop table.

## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, ACCELERON D-281 FUNGICIDE SEED TREATMENT contains a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to ACCELERON D-281 FUNGICIDE SEED TREATMENT and other Group 11 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Bayer CropScience at 1-866-99BAYER (1-866-992-2937).
- You can also contact your pesticide distributor or university extension specialist to report resistance.

## **COMPATIBILITY TESTING AND TANK MIX PARTNERS**

May be used in combination with other registered Bayer CropScience seed treatment fungicides and insecticides. Pre-test for compatibility with other seed treatment products.

### **Compatibility**

It is essential that before using ACCELERON D-281 FUNGICIDE SEED TREATMENT seed treatment in any tank mixture the compatibility of the mixture be established. Add ACCELERON D-281 FUNGICIDE SEED TREATMENT at the labeled rate to a clean quart jar containing approximately one-half the amount of water intended for a final slurry application rate. Next, follow with all other tank mix components that will be used in the total slurry application. Add last the remaining balance of water. The total amount of volume is determined by the seed size and how much is necessary to ensure complete and uniform coverage and distribution on the seed, as well as the type of commercial seed treating application equipment that will be used.

**DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GEL. USE TANK MIXTURES IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.**

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

## MIXING INSTRUCTIONS

- When applied with seed treatment application equipment designed to treat seed utilizing a treatment slurry mixture, add approximately 1/2 to 2/3 of the required water to the treatment slurry tank followed by the accompanying seed treatment products and ACCELERON D-281 FUNGICIDE SEED TREATMENT.
- The order of product addition is dependent on the accompanying seed treatment products and application equipment used.
- Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained.
- After all slurry components have been added and dispersed completely add the remaining 1/2 to 1/3 of required water for proper slurry volume and mix until uniform.
- Do not store mixed slurries for greater than 72 hours.
- Maintain adequate agitation until treatment slurry is applied.
- For additional instructions for use, slurry component mixing order, and other application suggestions contact your Bayer CropScience representative.

## SPECIFIC CROP DIRECTIONS

### CORN (Field Corn & Field Corn Grown for Seed)

#### Pests Controlled

To aid in the control of seedborne & soilborne fungi, *Penicillium* spp & *Aspergillus* spp, causing seed & seedling blights.

#### Rate of ACCELERON D-281 FUNGICIDE SEED TREATMENT<sup>1</sup>

# seeds/kg (# seeds/lb)	mL / 100 kg seed (fl oz/100lb seeds)	ml / 80,000 seed (fl oz/80,000 seeds)	Mg ai/ seed <sup>2</sup>	g/A <sup>3</sup> (lb/A)
3706 (1681)	10.43 - 20.86 (0.16-0.32)	2.25 - 4.5 (0.075 - 0.15)	0.014 -0.027	0.56 - 1.09 (0.0012- 0.0024)

#### Pests Controlled

To aid in suppression of late season stalk rot caused by *Fusarium* spp. & *Colletotrichum graminicola*.

#### Rate of ACCELERON D-281 FUNGICIDE SEED TREATMENT<sup>1</sup>

# seeds/kg (# seeds/lb)	mL / 100 kg seed (fl oz/100 lb seeds)	ml / 80,000 seed (fl oz/80,000 seeds)	Mg ai/ seed <sup>2</sup>	g/A <sup>3</sup> (lb/A)
3706 (1681)	62.59 - 125 (0.96 - 1.92)	13.51-26.98 (0.457 - 0.914)	0.0811 -0.162	3.26 - 6.52 (0.007 - 0.014)

#### Crop Specific Directions and Restrictions:

- <sup>1</sup>Do not apply more than 0.36 lb ai of fluoxastrobin per acre per year including seed treatment, foliar, in-furrow or banded applications)
- <sup>2</sup>Rate is calculated based on number of seeds/kg averages of corn (3,706).
- <sup>3</sup>Based on seeding rate of 40,250 seeds/ acre [(40,250 seeds/A) x (mg a.i./seed) x (g/1000mg).]

COTTON				
Pests Controlled				
To aid in the early season control of <i>Rhizoctonia solani</i> , the causal agent of seedling blight.				
Rate of ACCELERON D-281 FUNGICIDE SEED TREATMENT <sup>1</sup>				
# seeds/kg (# seeds/ lb)	mL / 100 kg seed (fl oz/100lb seeds)	ml / 100,000 seed (fl oz/100,000 seeds)	Mg ai/ seed <sup>2</sup>	g/A <sup>3</sup> (lb/A)
9,920 (4,500)	10.33 - 20.67 (0.16 - 0.32)	1.04 - 2.08 (0.04 - 0.07)	0.005 - 0.010	0.43 - 0.85 (0.0009 - 0.0019)
Crop Specific Directions and Restrictions:				
<ul style="list-style-type: none"> <li><sup>1</sup>Do not apply more than 0.72 lb ai of fluoxastrobin per acre per year including seed treatment, foliar, in-furrow or banded applications.</li> <li><sup>2</sup>Rate is calculated based on number of seeds/kg averages of cotton (9,920).</li> <li><sup>3</sup>Based on seeding rate of 85,000 seeds/ acre [(85,000 seeds/A) x (mg a.i./seed) x (g/1,000mg).]</li> <li>Not for use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.</li> </ul>				

SOYBEAN				
Pests Controlled				
To aid in the early season control of <i>Rhizoctonia solani</i> , the causal agent of seedling blight. Provides suppression of seedborne fungi, <i>Fusarium</i> spp, <i>Penicillium</i> spp, <i>Aspergillus</i> spp, that cause seed decay.				
Rate of ACCELERON D-281 FUNGICIDE SEED TREATMENT <sup>1</sup>				
# seeds/kg (# seeds/lb)	mL / 100 kg seed (fl oz/100 lb seeds)	ml / 140,000 seed (fl oz / 140,000 seeds)	Mg ai/ seed <sup>2</sup>	g/A <sup>3</sup> (lb/A)
6173 (2800)	10.43 - 20.86 (0.16 - 0.32)	2.37 - 4.74 (0.080 - 0.160)	0.008 - 0.016	2.4 - 4.8 (0.005 - 0.01)

#### Crop Specific Directions and Restrictions:

- <sup>1</sup>Do not apply more than 0.36 lb ai/A of fluoxastrobin per acre per year (including seed treatment, foliar, in-furrow or banded applications).
- <sup>2</sup>Rate is calculated based on number of seeds/kg averages of soybean (6,173).
- <sup>3</sup>Based on seeding rate of 300,000 seeds/ acre [(300,000 seeds/A) x (mg a.i./seed) x (g/1000mg)].

#### SEED BAG LABEL REQUIREMENTS

The Federal Seed Act requires that containers containing seed treated with ACCELERON D-281 FUNGICIDE SEED TREATMENT must be labeled with the following statements:

- This seed has been treated with:
  - ACCELERON D-281 FUNGICIDE SEED TREATMENT**, which contains 41.40% Fluoxastrobin.
- Do not use treated seed for food, feed, or oil.

The US Environmental Protection Agency requires the following statements on containers containing seed treated with **ACCELERON D-281 FUNGICIDE SEED TREATMENT**:

- Store treated seeds away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as in row ends).
- Dispose of all excess treated seed. Leftover treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements.

- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging or containers in accordance with local requirements. Do not use empty seed bags for any other purpose.
- To reduce seed dust which can drift onto blooming crops or weeds, ensure that planting equipment is functioning properly in accordance with manufacturer's recommendations. Surplus seed or empty seed containers should be stored or disposed according to state or local regulations.
- 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.

**For PRODUCT USE Information Call  
1-866-99BAYER (1-866-992-2937)**

**For MEDICAL, TRANSPORTATION or OTHER  
Emergencies ONLY Call 24 Hours A Day  
1-800-334-7577**

## STORAGE AND DISPOSAL

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

**Pesticide storage:** Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

**Pesticide disposal:** Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

### Container handling

#### Containers with capacities equal to or less than 5 gallons

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (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  $\frac{1}{4}$  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.

**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.

Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration.

**Containers that are too large to shake (i.e., with capacities greater than 5 gallons)**

Non-refillable containers - Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-866-992-2937), or rinse and either recycle or dispose of the container as follows:

**Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inch on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions.

Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

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FLUOXASTROBIN | GROUP 11 | FUNGICIDE

# ACCELERON<sup>®</sup>

# D-281

## Fungicide Seed Treatment

For use as a seed treatment on field corn, cotton and soybean seed for the protection against listed plant pathogenic fungi.

**ACTIVE INGREDIENT(S):**

Fluoxastrobin: ((2E)-(2-[6-(2-chlorophenoxy)-5-fluoro-4pyrimidinyl] oxy phenyl)-(5, 6-dihydro-1, 4, 2-dioxazin-3yl) methanone O-methyloxime)* .....	41.40%
<b>OTHER INGREDIENTS:</b> .....	58.60%
<b>TOTAL:</b> .....	100.00%

Contains 4.00 pounds fluoxastrobin per U.S. gallon (480 grams AI/liter)

\*CAS Number 361377-29-9

EPA Reg. No. 264-1169

Lot No. \_\_\_\_\_ Net Contents: \_\_\_\_\_

### KEEP OUT OF REACH OF CHILDREN

**PRECAUTIONARY STATEMENTS: ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. The active ingredient in this product can be persistent for several months or longer. Do not apply to water or to areas where surface water is present or to intertidal areas below the mean high water mark, or other sensitive areas that may be exposed to spray drift. Do not contaminate water when disposing of equipment washwaters or rinsate. Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seed spilled during loading. **STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. **Pesticide storage:** Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides. **Pesticide disposal:** Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods. **Container handling: Containers with capacities equal to or less than 5 gallons:** Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (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 ¼ 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. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration. **Containers that are too large to shake (i.e., with capacities greater than 5 gallons):** Non-refillable containers - Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-866-992-2937), or rinse and either recycle or dispose of the container as follows: **Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable):** Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inch on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill. Acceleron<sup>®</sup> is a registered trademark of Bayer Group.

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PRODUCED FOR: Bayer CropScience LP - 800 N. Lindbergh Blvd. - St. Louis, MO 63167