



# Fluoxastrobin ST

GROUP 11 FUNGICIDE

**A seed treatment for use on field corn seed for the protection against listed plant pathogenic fungi.**

**ACTIVE INGREDIENT:**

Fluoxastrobin: ((2E)-(2-[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy phenyl)-(5, 6-dihydro-1, 4, 2-dioxazin-3yl) methanone O-methyloxime)\* ..... **41.4%**

**OTHER INGREDIENTS:** ..... **58.6%**

**TOTAL: 100.0%**

**Contains 4 lbs Fluoxastrobin per gallon (480 g/liter)**

**\*(CAS Number 361377-29-9)**

**EPA Reg. No. 264-1169**



Department of Agriculture  
STATE OF HAWAII

**LICENSED**

PERIOD 2015-2017 LIC. NO.

## KEEP OUT OF REACH OF CHILDREN

FOR ADDITIONAL PRECAUTIONARY STATEMENTS:  
See Inside Booklet.

**For MEDICAL Emergencies Call 24 Hours A Day  
1-800-334-7577.**

In case of emergency call toll free the Bayer  
CropScience Emergency Response Telephone No.  
1-800-334-7577.

Have a product container or label with you when calling  
a poison control center or doctor, or going for treatment.

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

Produced for:

Bayer CropScience LP

P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709

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Product of Germany

**9529.256**

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US84082538A

## 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 other exposed to the concentrate, and cleaners/repairers of seed treatment equipment must wear a long-sleeve shirt and long pants, shoes plus socks, and waterproof (such as natural rubber, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton) gloves (if more options are needed, follow the instructions for category A on an EPA chemical-resistance category selection chart).

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

### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist 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.
- User 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.

### DIRECTIONS FOR USE

#### STOP - READ THE ENTIRE LABEL BEFORE USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

For use only in commercial seed treatment equipment. Not for use in hopper box, planter box, slurry box, or other on-farm seed treatment applications. Read the entire label and observe all label directions and precautions before use. Do not use this product except as directed on this label or on other Bayer CropScience supplemental labeling for this product.

## **PRODUCT INFORMATION**

Fluoxastrobin ST 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 USES**

Corn (Field corn and field corn grown for seed)

## **RESISTANCE MANAGEMENT**

The active ingredient in Fluoxastrobin ST (fluoxastrobin) belongs to the strobilurin class of chemistry (Group 11). Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotating and/or tank mixing with products having different modes of action; or limiting the total number of applications per season. Use labeled rates. Contact your local extension specialist, certified crop advisor, and/or manufacturer for fungicide/insecticide resistance management and/or integrated pest management recommendations for specific crops and pest populations. Bayer CropScience encourages responsible product stewardship to ensure effective long-term control of pests on this label.

## **COMPATIBILITY**

It is essential that before using Fluoxastrobin ST seed treatment in any tank mixture the compatibility of the mixture be established. Add Fluoxastrobin ST 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.**

## **USE INFORMATION**

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. All seed must be adequately dyed adequately dyed with a suitable colorant to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, part 2.25. Any colorant added to treated seed must be cleared for use under 40CFR, part 153.155.

## 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 Fluoxastrobin ST. 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.

## APPLICATION RATES

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

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

Fluoxastrobin ST Application Rates <sup>1</sup>						
Crop	seeds/lb	fl oz / one hundred pounds of seed	ml / one hundred kilograms of seed	fl oz / 80,000 seed unit	ml / 80,000 seed unit	mg AI/seed <sup>2</sup>
Field Corn and Field Corn Grown for Seed	1681	0.16 - 0.32	10.42 - 20.83	0.075 - 0.15	2.25 - 4.50	0.014 - 0.027

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

Fluoxastrobin ST Application Rates <sup>1</sup>						
Crop	seeds/lb	fl oz / one hundred pounds of seed	ml / one hundred kilograms of seed	fl oz / 80,000 seed unit	ml / 80,000 seed unit	mg AI/seed <sup>2</sup>
Field Corn and Field Corn Grown for seed	1681	0.96 - 1.92	62.59 – 125	0.457 - 0.914	13.51 – 26.98	0.0811 - 0.162

<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 seed/lb averages of Field corn (1681).

## **SEED BAG TAG**

The Federal Seed Act requires that the container of seed treated with Fluoxastrobin ST must be labeled with the following statements:

This seed has been treated with Fluoxastrobin ST which contains Fluoxastrobin.

Do not use treated seed for food, feed, or oil production.

User is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

In addition, the US Environmental Protection Agency requires the following statements on the container of seed treated with Fluoxastrobin ST.

- Store away from feeds and foodstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Wear long sleeved shirt, long pants, and waterproof gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Dispose of all excess treated seed. Left over 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 washwaters.
- Dispose of seed packaging in accordance with local requirements.
- Excess treated seed may be used for ethanol production only if:
  - o (1) by-products are not used for livestock feed and;
  - o (2) no measurable residues of pesticides remain in ethanol by-product that are used for agronomic practice.

## **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.

*(continued)*

## **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 (1-800-527-4781), 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.

## **Top Discharge IBC, Drums, Kegs (e.g. – Snyder 120 Next Gen, Bonar B120, Drums, and Kegs).**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

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

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### **IMPORTANT: READ BEFORE USE**

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.

**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. 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 SHALL NOT BE LIABLE 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.

# Fluoxastrobin ST

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

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

FOR ADDITIONAL PRECAUTIONARY STATEMENTS: See attached label on: User Safety Recommendations, and Environmental Hazards

### DIRECTIONS FOR USE: See attached booklet.

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## STORAGE AND DISPOSAL

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For complete CONTAINER HANDLING instructions, see attached booklet.

Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
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