



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

7969-394

Date of Issuance:

06/29/17

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Cerexia Xemium Brand Fungicide

Name and Address of Registrant (include ZIP Code):

BASF Corporation
26 Davis Drive
P.O. Box 13528
Research Triangle Park, NC 27709

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Erik Kraft, Product Manager 24
Fungicide and Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Date:

6/29/17

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Pyraclostrobin GDCI-099100-1467

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 7969-394.”
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list 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 the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated May 19, 2017

If you have any questions, please contact Driss Benmhend by phone at (703) 308-9525, or via email at Benmhend.driss@epa.gov

Enclosure

Cerexia™

Xemium® Brand Fungicide

ACCEPTED

06/29/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 7969-394

For soil-borne/seedling disease control and plant health using in-furrow application in barley, canola, chickpea, field pea, lentil, oats, soybean, and wheat (all types)

Powered by Xemium® and F500® fungicides

Active Ingredients:

fluxapyroxad*: 1 <i>H</i> -Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-	1.088%
pyraclostrobin**: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1 <i>H</i> -pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester).	2.171%

Other Ingredients: 96.741%

Total: 100.000%

EPA Reg. No. 7969-XXX

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

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

FIRST AID

If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• DO NOT induce vomiting unless told to do so by a poison control center or doctor.• DO NOT give anything to an unconscious person.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing.• Call a poison control center or doctor for treatment advice.
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: 1-800-832-HELP (4357).	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear.

Personal Protective Equipment (PPE)

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.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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** apply where runoff is likely to occur.

DO NOT contaminate water when disposing of equipment washwaters.

Treated granules exposed on soil surface may be hazardous to birds, wildlife and fish. Cover or collect granules spilled during loading.

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.

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), notification to workers, 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 **12 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

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage

Keep this product in its tightly closed original container.

Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

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 or refill this container. After completely emptying container into application equipment, offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Consult federal, state, or local disposal authorities for approved alternative procedures.

In Case of Emergency

In case of large-scale spillage regarding 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)

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

- Sweep up and place in a suitable container for disposal or use according to label directions.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep spills out of all sewers and open bodies of water.

Product Information

Read the entire **Directions For Use** and **Conditions of Sale and Warranty** before using this product.

This package contains **Cerexia™ Xemium® brand fungicide**, a broad-spectrum fungicide formulated on a clay carrier. **Cerexia** contains two active ingredients, fluxapyroxad and pyraclostrobin, belonging to the carboxamide (SDHI) group of fungicides and strobilurin group of fungicides, respectively.

When applied within the seed furrow (in-furrow) **Cerexia** inhibits spore germination, mycelial growth and sporulation of the fungus to control or suppress soil-borne/seedling diseases. Optimum disease control is achieved when **Cerexia** is applied as a system with seed treatments

and/or foliar fungicides and is used in a rotation program with other fungicides.

Apply recommended rate of **Cerexia** as instructed in the following application rate table. Apply **Cerexia** in-furrow as specified. Equipment should be checked frequently for proper calibration.

Resistance Management Recommendations

For resistance management, please note that **Cerexia** contains both a **Group 7** (fluxapyroxad) and **Group 11** (pyraclostrobin) fungicide. Any fungal population may contain individual isolates naturally resistant to **Cerexia** fungicide and other **Group 7** and **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 under use patterns that may select for resistant isolates. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay fungicide resistance:

- Adhere to the label instructions regarding the use of **Cerexia** fungicide or other **Group 7** or **Group 11** fungicides as stated in the **Crop-specific Restrictions and Limitations** section of the label.
- **Cerexia** use should be based on an Integrated Pest Management (IPM) program that includes scouting, historical information related to pesticide use, crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development. If disease continues to progress after treatment with this product, **DO NOT** increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist, or certified crop advisers for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

Application Instructions

For In-furrow Applications Only

Use 0.05 to 0.24 lb of **Cerexia** per 1000 row feet. Rate per 1000 row feet is dependent on the crop row spacing. Refer to **Table 2. Cerexia™ Xemium® brand fungicide In-furrow Calculation** to determine the rate per acre. Apply at planting as an in-furrow application by directing the granules into the furrow before the seed is covered.

Table 1. Application Rates

Crop	Target Disease	Product Use Rate (lbs/A)
Oilseed Canola	Blackleg (<i>Leptosphaeria maculans</i>) Soil-borne Fusarium (<i>Fusarium avenaceum</i>) Soil-borne Rhizoctonia (<i>Rhizoctonia solani</i>)	4.1
Cereals Barley Oats Triticale Wheat	Soil-borne Fusarium (<i>Fusarium avenaceum</i>) Soil-borne Rhizoctonia (<i>Rhizoctonia solani</i>)	4.1
Pulse Chickpea Field Pea Lentil	Soil-borne Fusarium (<i>Fusarium avenaceum</i>) Soil-borne Rhizoctonia (<i>Rhizoctonia solani</i>)	4.1
Soybean	Soil-borne Fusarium (<i>Fusarium avenaceum</i>) Soil-borne Rhizoctonia (<i>Rhizoctonia solani</i>)	4.1

In-furrow calibration of **Cerexia™ Xemium® brand fungicide** is dependant on row spacing. Refer to the chart below to determine the rate of product per 1000 row feet.

Table 2. Cerexia™ Xemium® brand fungicide In-furrow Calculation

Product Rate (lbs/A)	Product Rate (lb per 1000 row feet) row width (inches)							
	6	8	10	12	15	20	25	30
4.1	0.05	0.06	0.08	0.09	0.12	0.16	0.20	0.24

When using **Cerexia** in-furrow with subsequent foliar applications of products containing fluxapyroxad or pyraclostrobin, **DO NOT** apply more than 0.18 lb ai/A/year fluxapyroxad or 0.36 lb ai/A/year pyraclostrobin.

Cerexia is designed to be applied to the seed furrow using a separate metering system on the seeder cart. **DO NOT** mix **Cerexia** with seed or fertilizer or any other granular product (unless an exception is specified) within the seeder tank as product calibration will be inaccurate due to differences in bulk density and bulk flow properties.

Restrictions and Limitations

- For barley, canola, chickpea, field pea, lentil, oats, soybean, and wheat, **DO NOT** exceed 0.18 lb of fluxapyroxad per acre per calendar year including in-furrow and foliar applications.
- For barley, canola, chickpea, field pea, lentil, oats, soybean, and wheat, **DO NOT** exceed 0.36 lb of pyraclostrobin per acre per calendar year including in-furrow and foliar applications.
- **Cerexia** is not for sale, distribution, or use in Nassau and Suffolk counties in New York State.
- **Crop Rotation Restriction** - The following crops may be planted immediately following the last application: alfalfa, barley, berries and small fruits, Brassica leafy vegetables, bulb vegetables, corn (all types), cotton, cucurbit vegetables, dried shelled peas and beans, edible-podded legume vegetables, fruiting vegetables (including tomato), grapes, leafy vegetables, mint (spearmint and peppermint), oat, oilseed crops including flax seed, rapeseed, safflower, and sunflower), peanut, pome fruits, root vegetables, rye, sorghum and millet, soybean, stone fruits, strawberries, succulent shelled peas and beans, sugar beet, sugarcane, tree nuts, tuberous and corm vegetables (including potato), wheat and triticale, and any other crop labeled for direct application of this product.

For rice, **DO NOT** plant sooner than 14 days after the last application.

For all other crops, **DO NOT** plant sooner than 365 days after the last application.

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 weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, 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 THE 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** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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We create chemistry