

7969-295

6/14/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Edward G. Jordan  
Product Registration Manger  
BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

JUN 14 2010

Subject: Charter® F<sup>2</sup> Fungicide Seed Treatment  
EPA Reg. No. 7969-295  
Your amendment dated May 19, 2010  
EPA Decision Number 433992

Dear Mr. Jordan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. On page 6 in the second paragraph following the header **Method of Application** change "**Charter F<sup>2</sup>** should be applied to...." to "Apply **Charter F<sup>2</sup>** to...."
2. On page 6 delete the redundant note "**Note: Charter F<sup>2</sup>** contains an EPA-approved dye....Part 2.25."

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,

*Lisa Jones FOR*

Erik Kraft  
Acting PM, Team 20  
Fungicide Branch  
Registration Division (7504P)

Enclosure



The Chemical Company

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUN 14 2010

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

7969-295

# Charter<sup>®</sup> F<sup>2</sup> Fungicide Seed Treatment

**A liquid flowable for control of various seedborne diseases in  
barley, oats, rye, wheat and triticale**

**Active Ingredients:**

triticonazole*	1.32%
metalaxyl**	0.79%
<b>Other Ingredients:</b>	<u>97.89%</u>
<b>Total:</b>	100.00%

\*Contains 0.12 lb of the active ingredient triticonazole per U.S. gallon.

\*\*Contains 0.07 lb of the active ingredient metalaxyl per U.S. gallon.

**EPA Reg. No. 7969-295**

**EPA Est. No.**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION/PRECAUCIÓN**

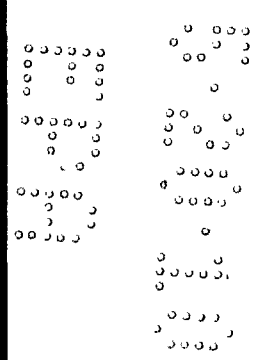
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See inside booklet 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:**

BASF Corporation  
26 Davis Drive, Research Triangle Park, NC 27709



<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after first 5 minutes; then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p>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).</p> <p><b>NOTE TO PHYSICIAN:</b> No specific antidote is available. Treat symptomatically.</p>	

### 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.

#### Personal Protective Equipment (PPE)

Some materials that are chemically resistant to this product are barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, polyvinyl chloride (PVC) > 14 mils, or viton > 14 mils. If you want more options, follow the instructions for **Category C** on an EPA chemical-resistance category selection chart.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, polyvinyl chloride (PVC) > 14 mils, or viton > 14 mils

### USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing 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** apply directly to water, or to areas where surface water is present, or intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwaters.

If treated seed is spilled outdoors or in areas accessible to birds or endangered species, promptly clean up and dispose of properly to prevent ingestion. Dispose of all excess treated seed by burying seed away from bodies of water.

### Directions For Use

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

### 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 the restricted-entry intervals. 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 **24 hours**.

**EXCEPTION:** If the seed is treated with the product and the treated seed 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 permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves made of any waterproof material

### STORAGE AND DISPOSAL

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

#### Pesticide Storage

Store in original container. Keep container closed and in a secure place. Store in an area that is out of reach of children and animals, away from food, feedstuffs, fertilizers and seed. Protect from frost and freezing.

#### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

#### Container Disposal

**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.

### STORAGE AND DISPOSAL *(continued)*

**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.

**Refillable Container.** Refill this container with **Charter® F<sup>2</sup> fungicide seed treatment** only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**Triple rinse as follows:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**Returnable Containers.** After use, return cleaned container to point of purchase or designated locations. **DO NOT** reuse container for any other purpose. Refill only with **Charter® F<sup>2</sup> fungicide seed treatment**. For information on the disposal of unused or unwanted product, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

*(continued)*

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**In Case of Spill**

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

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

See the following table for diseases controlled or suppressed by **Charter F<sup>2</sup>**.

**When handling Charter F<sup>2</sup> and when treating seed or while augering or handling treated seed, work in a well-ventilated area.**

**NOT** allowed for on-farm use in California.

**General Information**

**Charter<sup>®</sup> F<sup>2</sup> fungicide seed treatment** is a liquid seed treatment used for control or suppression of certain seedborne and soilborne diseases of barley, oats, rye, wheat and triticale. **Charter F<sup>2</sup>** will generally increase emergence and plant stands by controlling or suppressing these diseases.

**Charter F<sup>2</sup>** contains an EPA-approved dye that imparts an unnatural color to the treated seed to prevent its accidental use as a food or feed for animals. Refer to 21 CFR, Part 2.25.

**Charter<sup>®</sup> F<sup>2</sup> fungicide seed treatment Crop-specific Instructions**

<b>Crop</b>	<b>Disease Controlled</b>	<b>Disease Suppressed<sup>1</sup></b>	<b>Rate</b> (fl ozs/100 lbs seed)
<b>Barley</b>	Covered smut <i>Ustilago hordei</i>	Common root rot <i>Cochliobolus</i> spp.	5.4
	False loose smut <i>Ustilago nigra</i>	Dry seed decay <i>Penicillium</i> spp.	
	Fusarium seed rot <i>Fusarium</i> spp.	Fusarium crown rot <i>Fusarium</i> spp.	
	Fusarium seedling blight <i>Fusarium</i> spp.	Fusarium root rot <i>Fusarium</i> spp.	
	Pythium damping off <i>Pythium</i> spp.	Rhizoctonia root rot <i>Rhizoctonia solani</i>	
	True loose smut <i>Ustilago nuda</i>		
<b>Oats</b>	Covered smut <i>Ustilago kollerii</i>	Common root rot <i>Cochliobolus</i> spp.	5.4
	Fusarium seed rot <i>Fusarium</i> spp.	Fusarium crown rot and root rot <i>Fusarium</i> spp.	
	Fusarium seedling blight <i>Fusarium</i> spp.		
	Loose smut <i>Ustilago avenae</i>		
	Pythium damping off <i>Pythium</i> spp.		

(continued)

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**Charter® F<sup>2</sup> fungicide seed treatment Crop-specific Instructions** *(continued)*

<b>Crop</b>	<b>Disease Controlled</b>	<b>Disease Suppressed<sup>1</sup></b>	<b>Rate</b> (fl ozs/100 lbs seed)
<b>Rye</b>	Common bunt <i>Tilletia caries</i>  Fusarium seed rot <i>Fusarium</i> spp.  Fusarium seedling blight <i>Fusarium</i> spp.  Pythium damping off <i>Pythium</i> spp.	Common root rot <i>Cochliobolus</i> spp.  Fusarium crown rot and root rot <i>Fusarium</i> spp.	5.4
<b>Wheat and Triticale</b>	Common bunt <i>Tilletia caries</i>  Flag smut <i>Urocystis agropyri</i>  Fusarium seed rot <i>Fusarium</i> spp.  Fusarium seedling blight <i>Fusarium</i> spp.  Loose smut <i>Ustilago nuda</i> var. <i>tritici</i>  Pythium damping off <i>Pythium</i> spp.	Common root rot <i>Cochliobolus</i> spp.  Dry seed decay <i>Penicillium</i> spp.  Fusarium crown rot <i>Fusarium</i> spp.  Fusarium root rot <i>Fusarium</i> spp.  Rhizoctonia root rot <i>Rhizoctonia solani</i>	5.4

<sup>1</sup>Suppression is defined as suboptimal control which is still of commercial benefit.

## Method of Application

Seed should be well conditioned and free of chaff before treating with **Charter® F<sup>2</sup> fungicide seed treatment**. Treated seed should not require drying after treatment and can be stored or bagged immediately (provided excessive slurry volumes are not applied to the seed). **Charter F<sup>2</sup>** may be applied using standard commercial seed treatment equipment (such as, but not limited to, slurry or mist-type equipment) or on-farm seed treatment equipment. **Charter F<sup>2</sup>** may also be used in on-the-go type air seeder treatment systems.

**Charter F<sup>2</sup>** should be applied to barley, oats, rye, wheat and triticale at the rate of 5.4 fluid ounces of product per 100 pounds of seed. Thorough seed coverage and proper application equipment calibration is essential for good disease control. To achieve thorough coverage, **Charter F<sup>2</sup>** may be diluted with water, if needed, into a slurry. Direct application into a planter box is prohibited.

protective gloves when opening bag or handling treated seed.

Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting. Dispose of all excess seed by burying away from bodies of water.

**DO NOT** contaminate bodies of water when disposing of planting equipment washwater.

Dispose of seed packaging or containers in accordance with local requirements."

**NOTE: Charter F<sup>2</sup>** contains an EPA-approved dye that imparts an unnatural color to the treated seed to prevent its accidental use as a food or feed for animals. Refer to 21 CFR, Part 2.25.

## Use Restrictions

- **DO NOT** use treated seed for food, feed or oil processing.
- **DO NOT** store **Charter F<sup>2</sup>** near feed or foodstuffs.
- **DO NOT** contaminate feed or foodstuffs.
- **DO NOT** contaminate domestic or irrigation waters.
- **DO NOT** plant any crop not listed on this label within 30 days after planting **Charter F<sup>2</sup>** treated seed.
- **IN CALIFORNIA:** ONLY for use in commercial seed-treatment establishments. NOT allowed for on-farm use in California.
- **IMPORTANT:** MAXIMUM USAGE when applying multiple metalaxyl-containing and mefenoxam-containing products to the same crop within the same season:  
**DO NOT** apply more than the maximum seasonal total for the active ingredient as stated on the label of the lowest seasonal total on that crop.
- **DO NOT** use the same auger for treating seed that will handle commercial or feed grains.
- **DO NOT** store leftover treated seed where there is a chance of it becoming mixed with untreated seed. Store treated seed in cool, dry conditions.

Seeds treated with this product that are then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag:

"This package or bag contains seed that has been treated with **Charter® F<sup>2</sup> fungicide seed treatment** containing triticonazole and metalaxyl. **DO NOT** use treated seed for food, feed, oil production or any other purpose except planting. Store away from feed and foodstuffs. **DO NOT** allow children, pets or livestock to have access to treated seeds.

Wear long pants, long-sleeved shirt, shoes and socks, and

### 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 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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The Chemical Company