

7969-387

6/14/2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

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

JUN 14 2010

Subject: Charter PB Fungicide Seed Treatment
EPA Reg. No. 7969-387
Amendment dated: March 5, 2010
EPA Decision No. 430167

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.

On page 3,

1. Within the Storage and Disposal box, change the heading Container Disposal to Container Handling.
2. Add the following sentence to the end of the Container Handling – Nonrefillable container text. “If burned, stay out of smoke.”

On page 4,

3. Within the Storage and Disposal box, change the heading Container Disposal to Container Handling.
4. Change the heading “General Information” to “Product Information”

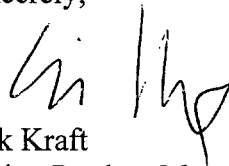
On page 6,

5. Within the second paragraph under the heading “Method of Application”, in the first sentence change “should” to “must”.

Charter PB Fungicide Seed Treatment
EPA Reg. No. 7969-387
Page 2 of 2

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. Should you have any further questions, please feel free to contact Shaunta Hill via email at hill.shaunta@epa.gov or telephone at 703.347-8961.

Sincerely,



Erik Kraft
Acting Product Manager (20)
Fungicide Branch
Registration Division (7504P)

Enclosure:
Label stamped Accepted with Comments



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.

7969-387



CHARTER[®] PB

FUNGICIDE SEED TREATMENT

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

Active Ingredients*:

triticonazole	1.25%
thiram	12.50%
Other Ingredients:	<u>86.25%</u>
Total:	100.00%

*Contains 0.12 lb of the active ingredient triticonazole and 1.2 lbs of the active ingredient thiram per U.S. gallon.

EPA Reg. No. 7969-387

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

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 for complete **First Aid, Precautionary Statements, Directions For Use,**
and **Conditions of Sale and Warranty.**

**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

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • DO NOT induce vomiting unless told to do so by a poison control center or doctor. • Have a person sip a glass of water if able to swallow. • DO NOT give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eyes 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	
<p>NOTE TO PHYSICIAN: No specific antidote is available. Treat symptomatically. Consumption of alcoholic beverages increases the toxic effects of thiram. 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 at 1-800-832-HELP (4357).</p>	

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING. May be fatal if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. **DO NOT** breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or the toilet. Wear dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH-approved respirator with any N, R, P, or HE filter, long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber, polyvinyl chloride, viton, selection **Category C**). Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

User Safety Requirements

Follow the 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.

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, viton > 14 mils. If you want more options, follow the instructions for **Category C** on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, and other handlers must wear:

- Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH-approved respirator with any N, R, P, or HE filter
- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Chemical-resistant apron when mixing, loading, cleaning up spills, or cleaning equipment, or otherwise exposed to the concentrate

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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Endangered Species

This bag contains seed treated with thiram. This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm, or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the county or parish in which you are applying the seed. To determine whether your county or parish has a bulletin, consult <http://www.epa.gov/espp> before each season's use of this product.

Environmental Hazards

This chemical is toxic to fish, aquatic invertebrates, oysters, and shrimp. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

Treated seeds are hazardous to fish, birds and mammals. **DO NOT** plant treated seeds by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. If seeds are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds.

Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. 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 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) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

After the seeds have been planted, **DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **24 hours**.

EXCEPTION: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the seeds.

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:

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves made of waterproof material
- Protective eyewear

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.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container 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® PB 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® PB 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.

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)

General Information

Charter PB is a liquid seed treatment used for control or suppression of certain seedborne and soilborne diseases of barley, oats, rye, triticale, and wheat. **Charter PB** will increase emergence and plant stands by controlling or suppressing these diseases.

When handling Charter PB and when treating seed or while augering or handling treated seed, work in a well-ventilated area.

See the following table for diseases controlled or suppressed by **Charter PB**.

Charter® PB fungicide seed treatment Crop-specific Instructions

Crop	Disease Controlled	Disease Suppressed¹	Product Use Rate (fl ozs/100 lbs seed)
Barley	Covered smut <i>Ustilago hordei</i> False loose smut <i>Ustilago nigra</i> Fusarium seedling blight <i>Fusarium</i> spp. Fusarium seed rot <i>Fusarium</i> spp. True loose smut <i>Ustilago nuda</i>	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. Pythium damping-off <i>Pythium</i> spp. Rhizoctonia root rot <i>Rhizoctonia solani</i>	5.5
Oats	Covered smut <i>Ustilago kollerii</i> Fusarium seedling blight <i>Fusarium</i> spp. Fusarium seed rot <i>Fusarium</i> spp. Loose smut <i>Ustilago avenae</i>	Common root rot <i>Cochliobolus</i> spp. Fusarium crown rot and root rot <i>Fusarium</i> spp. Pythium damping-off <i>Pythium</i> spp.	5.5
Rye	Common bunt <i>Tilletia caries</i> Fusarium seedling blight <i>Fusarium</i> spp. Fusarium seed rot <i>Fusarium</i> spp.	Common root rot <i>Cochliobolus</i> spp. Fusarium crown rot and root rot <i>Fusarium</i> spp. Pythium damping-off <i>Pythium</i> spp.	5.5
Triticale and Wheat	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>	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. Pythium damping-off <i>Pythium</i> spp. Rhizoctonia root rot <i>Rhizoctonia solani</i>	5.5

¹Suppression 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® PB 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 PB** 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 PB** may also be used in on-the-go type air seeder treatment systems.

Charter PB should be applied to barley, oats, rye, triticale, and wheat at the rate of 5.5 fl ozs 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 PB** may be diluted with water, if needed, into a slurry. Direct application into a planter box is prohibited.

Use Restrictions

- **DO NOT** use treated seed for food, feed, or oil processing.
- Store treated seed away from food and feedstuff.
- **DO NOT** contaminate feed or foodstuff.
- **DO NOT** contaminate bodies of water when disposing of planting equipment washwater.
- **DO NOT** plant any crop not listed on this label within 30 days after planting **Charter PB**-treated seed.
- Plant barley, oats, rye, triticale, and wheat seed a minimum of 1-inch deep.
- **DO NOT** use the same auger for treating seed that will handle commercial or feed grains.
- **DO NOT** store leftover seed where there is a chance of it becoming mixed with untreated seed. Store treated seed in cool, dry conditions.

SEEDS THAT ARE TREATED WITH THIS PRODUCT AND ARE THEN PACKAGED OR BAGGED FOR FUTURE USE MUST CONTAIN THE FOLLOWING LABELING ON THE OUTSIDE OF THE SEED BAG.

"This seed has been treated with **Charter® PB fungicide seed treatment** containing triticonazole and thiram. Persons opening this bag or loading/pouring the treated seed must wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves.

- **DO NOT** use for food, feed or oil processing.
- **DO NOT** allow children, pets or livestock to have access to treated seeds.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Dispose of seed packaging or containers in accordance with local requirements.

- **DO NOT** plant any crop other than barley, oats, rye, triticale, or wheat within 30 days of planting **Charter PB**-treated seed.

After the seeds have been planted, **DO NOT** enter or allow worker entry into treated area during the restricted-entry interval (REI) of **24 hours**.

EXCEPTION: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the seeds.

Treated seeds are hazardous to fish, birds, and mammals. **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seeds are thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds. **DO NOT** apply to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate or by disposal of wastes.

This bag contains seed treated with triticonazole and thiram. This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the county or parish in which you are applying the seed. To determine whether your county or parish has a bulletin, consult <http://www.epa.gov/espp> before each season's use of this product."

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