

7969-296

09-01-2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

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

SEP 1 2010

Subject: Stamina F3 HL Fungicide Seed Treatment  
EPA Reg. No. 7969-296  
Amended master and supplemental labeling adding corn, oats, rye, barley and  
triticale  
EPA Decision No. 436643

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 provide the following corrections are made.

On the master label:

Page 2,

1. Within the PPE section, first paragraph,
  - a. Delete the sentence starting "Some materials that are chemically...". This information is already presented on the label.
  - b. Move the sentence starting "If you want more options...", so that it follows the "Applicators and other handlers must wear..." text section.
2. Within the User Safety Recommendations text box, add "/PPE" following "remove clothing" in the section bullet.

Page 3,

3. Within the Storage and Disposal text box, under the Container Handling heading, non-refillable container paragraph, add "If burned, stay out of smoke.", to the end of the paragraph.
4. Change the heading "General Information" to "Product Information".

Page 4,

5. Within the Application Instructions - "Stamina with tank mix partners" section, in the first paragraph starting "Stamina F3 HL mixes easily with water and other water based...", add the word "restrictions" following "use rates, dilution ratios, precautions".

6. Within the Use Restrictions - "Treated Seed Must Be Labeled As Follows" section, revise the second sentence "Do not use for food, feed or oil processing" so that it reads "Do not use treated seed for food, feed, or oil processing".

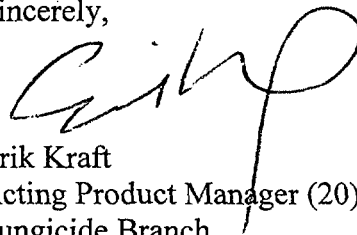
On the supplemental label:

7. Change the heading "General Information" to "Product Information".
8. Within the Product Information section, first paragraph, second sentence, replace "will generally increase" with "may increase"

Please note that the supplemental labeling must be incorporated into the master label within 18 months of the date of this letter or at the next label printing, whichever comes first. 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 before the product is released for shipment.

If you have any questions, please contact Shaunta Hill by phone at (703) 347-8961 or via email at [hill.shaunta@epa.gov](mailto:hill.shaunta@epa.gov).

Sincerely,



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

Enclosure: Label stamped "Accepted with Comments"



The Chemical Company

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
SEP. 1 2010

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

7969-296

# Stamina<sup>®</sup> F<sup>3</sup> HL

Fungicide Seed Treatment

## For Use at Commercial Seed Treatment Facilities Only

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

### Active Ingredients:

pyraclostrobin*	7.57%
triticonazole**	7.57%
metalaxyl***	4.54%

<b>Other Ingredients:</b>	<u>80.32%</u>
<b>Total:</b>	100.00%

\*Contains 0.67 lb of the active ingredient pyraclostrobin per U.S. gallon.  
\*\*Contains 0.67 lb of the active ingredient triticonazole per U.S. gallon.  
\*\*\*Contains 0.40 lb of the active ingredient metalaxyl per U.S. gallon.

EPA Reg. No. 7969-296

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

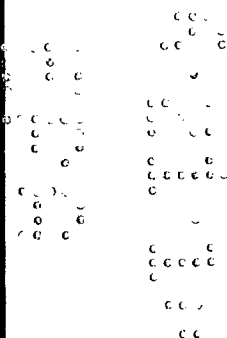
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See inside booklet 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



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<b>FIRST AID</b>	
<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>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>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**

**WARNING.** Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### **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.

## 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 Handling

**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.

**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.

(continued)

## STORAGE AND DISPOSAL (continued)

**Refillable Container.** Refill this container with **Stamina<sup>®</sup> F<sup>3</sup> HL 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.

**To clean the container before final disposal triple rinse as follows:** 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 **Stamina<sup>®</sup> F<sup>3</sup> HL 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

**Stamina F<sup>3</sup> HL** is a liquid seed treatment used for control or suppression of certain seedborne and soilborne diseases of barley, corn, oats, rye, sorghum, wheat, and triticale. **Stamina F<sup>3</sup> HL** will generally increase emergence and plant stands by controlling or suppressing these diseases.

Seed treatment applications with **Stamina F<sup>3</sup> HL** have been associated with more rapid and increased emergence of seedlings under certain cold conditions. Make all applications according to the use directions in this label. Use the higher rates of **Stamina F<sup>3</sup> HL** when disease pressure is expected to be high.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

See the following table for diseases controlled or suppressed by **Stamina F<sup>3</sup> HL**.

**When handling Stamina F<sup>3</sup> HL and when treating seed or while augering or handling treated seed, work in a well-ventilated area.**

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## Application Instructions

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For use at commercial seed treatment facilities only. Not for on-farm systems.

See **Stamina<sup>®</sup> F<sup>3</sup> HL fungicide seed treatment Crop-specific Instructions** for required application rates for specified crops.

Apply **Stamina F<sup>3</sup> HL** as a water-based mixture using standard or mist-type seed treatment application equipment. The exact amount of water needed to provide the mixture or slurry rate for optimum coverage is difficult to predict because weather conditions, hot or cold, seed type and surface and equipment used all have a bearing on coverage. Consult a seed treatment specialist regarding optimum slurry rates for the crop seed to be treated with **Stamina F<sup>3</sup> HL**. Dilute the required amount of **Stamina F<sup>3</sup> HL** with the amount of water that will provide uniform and complete coverage on the seed surface. Uniform application on seed and complete seed coverage are necessary for seed safety and best disease protection.

Seed must be of a good quality and well cleaned prior to treatment. The purchaser of **Stamina F<sup>3</sup> HL** is responsible for ensuring that all seed treated with this product is adequately dyed with a suitable color to prevent accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed. Any dye or colorant added to treated seed must be cleared for use under 40CFR, Part 180.900, "**Exemptions from the requirement of a tolerance**". Federal regulations have established official tolerances or exemptions from tolerances for residues on food and forage crops that must not be exceeded when the product (dye or colorant) is used at specified rates.

Consult the seed treatment specialist for calibration and operation procedures of the seed treatment equipment being used. Mechanical agitation is required for proper mixing of **Stamina F<sup>3</sup> HL**. Prepare no more mixture of **Stamina F<sup>3</sup> HL** than is needed for immediate treating. Add 3/4 of the required volume of water to the mix tank. With agitation running, add the required amount of **Stamina F<sup>3</sup> HL** in the tank along with other seed treatment components. Add the remaining 1/4 amount of the required volume of water. Use the mixing sequence that follows. Agitate thoroughly before and during application.

### Stamina F3 HL With Tank Mix Partners

**Stamina F3 HL** mixes easily with water and other water-based seed treatments manufactured by BASF Corporation. When using **Stamina F<sup>3</sup> HL** in a tank mixture with other seed treatment products, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations that appear on the tank mix partner label. Label dosage or application rate must not be exceeded, and the most restrictive label precautions and limitations must be followed. **Stamina F<sup>3</sup> HL** must not be mixed with any product that prohibits such mixing. All applications must be made according to the use directions.

When mixing **Stamina F<sup>3</sup> HL** with products from other manufacturers, test the compatibility prior to use by conducting a jar test as follows:

1. Mix all intended seed treatments with the appropriate amount of water in a clear glass container.
2. Mix well and allow to sit for one hour.
3. Remix and observe for incompatibility.

Physical compatibility is only part of compatibility. Testing also needs to be done with the seed to make sure the combination of products does not have detrimental effects on the seed.

### Tank Mixing Instructions

1. Add 3/4 of the required amount of water to the mix tank and turn on the agitation. Mechanical agitation is preferred.
2. Use the following mixing sequence: dye or colorant, wettable powders, soluble powders, flowable formulations, emulsifiable concentrates, and remaining 1/4 of the required water. The 1/4 of the required water as the last item for addition to the premix tank can be used as rinsate for the chemical container or to adjust the total slurry to compensate for water displacement by powdered products.
3. Maintain agitation until the entire slurry mixture has been used.
4. Ensure that seed is dry prior to bagging.

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## Use Restrictions

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- **DO NOT** use treated seed for food, feed or oil processing.
- **DO NOT** store **Stamina F<sup>3</sup> HL** 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 **Stamina F<sup>3</sup> HL** fungicide treated seed.
- **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.

### TREATED SEED MUST BE LABELED AS FOLLOWS:

"This seed has been treated with **Stamina F<sup>3</sup> HL** containing pyraclostrobin, triticonazole, and metalaxyl. **DO NOT** use for food, feed or oil processing. **DO NOT** plant any crop other than wheat or barley within 30 days after planting **Stamina F<sup>3</sup> HL** treated seed. When opening this bag or loading, pouring, or handling the treated seed, wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of any waterproof material. After the seeds have been planted in soil or other planting media, **DO NOT** enter or allow worker entry into areas with treated seeds for **12 hours**, except that workers may enter the areas with treated seeds without restriction if there will be no worker contact with the soil/media subsurface."

**Stamina® F<sup>3</sup> HL fungicide seed treatment Crop-specific Instructions**

<b>Crop</b>	<b>Disease Controlled</b>	<b>Disease Suppressed<sup>1</sup></b>	<b>Rate</b> (fl oz/100 lbs seed)
<b>Barley</b>	Common root rot <i>Cochliobolus</i> spp. Covered smut <i>Ustilago hordei</i> Dry seed decay <i>Penicillium</i> spp. False loose smut <i>Ustilago nigra</i> Fusarium seed rot <i>Fusarium</i> spp. Fusarium seedling blight <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>	Fusarium crown rot <i>Fusarium</i> spp. Fusarium root rot <i>Fusarium</i> spp.	1.0
<b>Field corn and popcorn (includes seed production)</b>	Fusarium seed rot <i>Fusarium</i> spp. Fusarium seedling blight <i>Fusarium</i> spp. Rhizoctonia seed and seedling rot <i>Rhizoctonia solani</i> Pythium damping off <i>Pythium</i> spp.	Rhizoctonia root rot <i>Rhizoctonia solani</i>	1.0  Equivalent to 0.0338 mg ai/kernel and 0.44 fl oz product per 80,000 kernel count (based on 1818 kernels per pound)
<b>Corn (Sweet)</b>	Fusarium seed rot <i>Fusarium</i> spp. Fusarium seedling blight <i>Fusarium</i> spp. Rhizoctonia seed and seedling rot <i>Rhizoctonia solani</i> Pythium damping off <i>Pythium</i> spp.	Rhizoctonia root rot <i>Rhizoctonia solani</i>	2.0  Equivalent to 0.0338 mg ai/kernel and 0.44 fl oz product per 80,000 kernel count (based on 3636 kernels per pound)
<b>Oats</b>	Loose smut <i>Ustilago avenae</i> Covered smut <i>Ustilago kollerii</i> Fusarium seedling blight <i>Fusarium</i> spp. Fusarium seed rot <i>Fusarium</i> spp. Common root rot <i>Cochliobolus</i> spp. Pythium damping off <i>Pythium</i> spp.	Fusarium crown rot <i>Fusarium</i> spp. Fusarium root rot <i>Fusarium</i> spp.	1.0

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

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**Stamina® F<sup>3</sup> HL fungicide seed treatment Crop-specific Instructions** (continued)

Crop	Disease Controlled	Disease Suppressed <sup>1</sup>	Rate (fl oz/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. Common root rot <i>Cochliobolus</i> spp. Pythium damping off <i>Pythium</i> spp.	Fusarium crown rot <i>Fusarium</i> spp. Fusarium root rot <i>Fusarium</i> spp.	1.0
<b>Sorghum</b>	Fusarium seed rot <i>Fusarium</i> spp. Fusarium seedling blight <i>Fusarium</i> spp. Rhizoctonia seed and seedling rot <i>Rhizoctonia solani</i> Pythium damping off <i>Pythium</i> spp.	Rhizoctonia root rot <i>Rhizoctonia solani</i>	2.0 to 4.0  Equivalent to 0.008 to 0.016 mg ai/kernel (based on 14,500 kernels per pound)
<b>Wheat and Triticale</b>	Common bunt <i>Tilletia caries</i> Common root rot <i>Cochliobolus</i> spp. Dry seed decay <i>Penicillium</i> spp. 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. Rhizoctonia root rot <i>Rhizoctonia solani</i>	Fusarium crown rot <i>Fusarium</i> spp. Fusarium root rot <i>Fusarium</i> spp.	1.0

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



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## 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.

ST1108

*Stamina and  are registered trademarks of BASF.*

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007969-00296.20100617.NVA 2010-04-353-0080  
Supersedes: 2010-04-353-0076

BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709



The Chemical Company

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# Supplemental Label



## For Use at Commercial Seed Treatment Facilities Only

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

### Active Ingredients:

pyraclostrobin*	7.57%
triticonazole**	7.57%
metalaxyl***	4.54%

Other Ingredients:	80.32%
Total:	100.00%

\*Contains 0.67 lb of the active ingredient pyraclostrobin per U.S. gallon.

\*\*Contains 0.67 lb of the active ingredient triticonazole per U.S. gallon.

\*\*\*Contains 0.40 lb of the active ingredient metalaxyl per U.S. gallon.

EPA Reg. No. 7969-296

### Directions For Use

Refer to the Stamina<sup>®</sup> F<sup>3</sup> HL fungicide seed treatment main label, EPA Reg. No. 7969-296, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire Stamina F<sup>3</sup> HL container label in possession at the time of pesticide application.

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

### General Information

Stamina F<sup>3</sup> HL is a liquid seed treatment used for control or suppression of certain seedborne and soilborne diseases of corn, oats, rye, sorghum and triticale. Stamina F<sup>3</sup> HL will generally increase emergence and plant stands by controlling or suppressing these diseases.

Seed treatment applications with Stamina F<sup>3</sup> HL have been associated with more rapid and increased emergence of seedlings under certain cold conditions. Make all applications according to the use directions in the Stamina F<sup>3</sup> HL main label. Use the higher rates of Stamina F<sup>3</sup> HL when disease pressure is expected to be high.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

### Application Instructions

For use at commercial seed treatment facilities only. Not for on-farm systems. Refer to the Stamina F<sup>3</sup> HL main label for specific seed treatment instructions.

**TREATED SEED MUST BE LABELED AS FOLLOWS:** "This seed has been treated with Stamina F<sup>3</sup> HL containing pyraclostrobin, triticonazole, and metalaxyl. **DO NOT** use for food, feed or oil processing. **DO NOT** plant any crop other than wheat or barley within 30 days after planting Stamina F<sup>3</sup> HL treated seed. When opening this bag or loading, pouring, or handling the treated seed, wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of any waterproof material. After the seeds have been planted in soil or other planting media, **DO NOT** enter or allow worker entry into areas with treated seeds for **12 hours**, except that workers may enter the areas with treated seeds without restriction if there will be no worker contact with the soil/media subsurface."

with COMMENTS  
 In EPA Letter Dated  
 SEP 1 2010  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 7969-296-0096

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**Stamina® F<sup>3</sup> HL fungicide seed treatment Crop-specific Instructions**

Crop	Disease Controlled	Disease Suppressed <sup>1</sup>	Rate (fl oz/100 lbs seed)
<b>Field corn and popcorn (includes seed production)</b>	Fusarium seed rot <i>Fusarium</i> spp.  Fusarium seedling blight <i>Fusarium</i> spp.  Rhizoctonia seed and seedling rot <i>Rhizoctonia solani</i>  Pythium damping off <i>Pythium</i> spp.	Rhizoctonia root rot <i>Rhizoctonia solani</i>	1.0  Equivalent to 0.0338 mg ai/kernel and 0.44 fl oz product per 80,000 kernel count (based on 1818 kernels per pound)
<b>Corn (Sweet)</b>	Fusarium seed rot <i>Fusarium</i> spp.  Fusarium seedling blight <i>Fusarium</i> spp.  Rhizoctonia seed and seedling rot <i>Rhizoctonia solani</i>  Pythium damping off <i>Pythium</i> spp.	Rhizoctonia root rot <i>Rhizoctonia solani</i>	2.0  Equivalent to 0.0338 mg ai/kernel and 0.44 fl oz product per 80,000 kernel count (based on 3636 kernels per pound)
<b>Oats</b>	Loose smut <i>Ustilago avenae</i>  Covered smut <i>Ustilago kollerii</i>  Fusarium seedling blight <i>Fusarium</i> spp.  Fusarium seed rot <i>Fusarium</i> spp.  Common root rot <i>Cochliobolus</i> spp.  Pythium damping off <i>Pythium</i> spp.	Fusarium crown rot <i>Fusarium</i> spp.  Fusarium root rot <i>Fusarium</i> spp.	1.0
<b>Rye</b>	Common bunt <i>Tilletia caries</i>  Fusarium seed rot <i>Fusarium</i> spp.  Fusarium seedling blight <i>Fusarium</i> spp.  Common root rot <i>Cochliobolus</i> spp.  Pythium damping off <i>Pythium</i> spp.	Fusarium crown rot <i>Fusarium</i> spp.  Fusarium root rot <i>Fusarium</i> spp.	1.0

(continued)

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**Stamina® F<sup>3</sup> HL fungicide seed treatment Crop-specific Instructions** *(continued)*

Crop	Disease Controlled	Disease Suppressed <sup>1</sup>	Rate (fl oz/100 lbs seed)
Sorghum	Fusarium seed rot <i>Fusarium</i> spp. Fusarium seedling blight <i>Fusarium</i> spp. Rhizoctonia seed and seedling rot <i>Rhizoctonia solani</i> Pythium damping off <i>Pythium</i> spp.	Rhizoctonia root rot <i>Rhizoctonia solani</i>	2.0 to 4.0  Equivalent to 0.008 to 0.016 mg ai/kernel (based on 14,500 kernels per pound)
Triticale	Common bunt <i>Tilletia caries</i> Common root rot <i>Cochliobolus</i> spp. Dry seed decay <i>Penicillium</i> spp. 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. Rhizoctonia root rot <i>Rhizoctonia solani</i>	Fusarium crown rot <i>Fusarium</i> spp. Fusarium root rot <i>Fusarium</i> spp.	1.0

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

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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.

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