

7969-186

10/19/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

OCT 19 2009

Charlotte A. Sanson
BASF Corporation
26 Davis Drive
P.O. Box 13528
Research Triangle Park, North Carolina 27709

Subject: Headline® Fungicide
EPA Registration Number 7969-186
Decision D418894; your supplemental label dated August
11, 2009, for aerial application to Oats at spray
volumes of 2 gallons per acre or more.

Dear Ms. Sanson,

We have reviewed the subject amended labeling, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended. The amended label is acceptable provided that you comply with the following conditions.

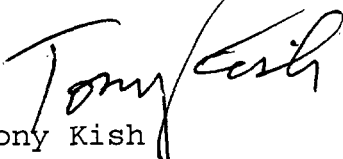
1. Make the following change to the label.

Change the rightmost column heading in the table at the bottom of page 3 from "Headline (fl ozs/A)" to "Headline Application Use Rate (fl ozs/A)".

2. Submit one copy of your final printed label before you release product bearing this amended labeling for shipment.

If you have any questions about this letter, please contact John Bazuin at (703)305-7381 or bazuin.john@epa.gov.

Sincerely yours,



Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7505P)

Attachment: Supplemental label stamped "ACCEPTED with COMMENTS"

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GROUP 11 FUNGICIDE

Supplemental Label



For use in Oats

Aerial applications at spray volumes of 2 or more gallons per acre

Active Ingredient*:

pyraclostrobin (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl] methoxy-, methyl ester)	23.6%
Other Ingredients**:	76.4%
Total:	100.0%

*Equivalent to 2.09 pounds of pyraclostrobin per gallon.

**Contains petroleum distillates.

EPA Reg. No. 7969-186

Refer to the Headline® fungicide main label, EPA Reg. No. 7969-186, 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 Headline container label in possession at the time of pesticide application.

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.

General Information

Headline provides optimum disease control when applied in a regularly scheduled protective fungicide program and used in a spray program that rotates fungicides with different modes of action. Refer to the Headline main label for general resistance management information and to the Crop-specific Use Directions and restrictions found in this label.

Application Information

Apply Headline according to the rate, timing and resistance management instructions in the Crop-specific Use Directions in this label.

Headline may be applied by ground sprayer, aerial equipment or through sprinkler irrigation systems. Refer to the Headline main label for specific instructions on these methods.

Aerial application to oats at spray volumes of 2 or more gallons per acre. Aerial applications of Headline may be made to oats in water volumes of 2 or more gallons of spray solution per acre (gpa). The use of a crop oil or adjuvant may be used to improve spray coverage. Refer to the adjuvant product label for specific use directions and restrictions. For optimum results in cases of high disease pressure, use a minimum spray volume of 4 gpa.

Select spray nozzles, pumping pressure, and sprayer height to provide medium-to-fine spray droplets that penetrate throughout the crop canopy. Spray calibration must be conducted to confirm spray droplet sizes. Continue to monitor spray application (including weather conditions) to assure proper droplet size and canopy penetration.

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

ACCEPTED
with COMMENTS
In EPA Letter Dated
OCT 19 2009



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

The Chemical Company

7969-186

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Restrictions and Limitations

Headline® fungicide is not for use in greenhouse or transplant production systems.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**.

No aerial application in New York State except as permitted under FIFRA Section 24(c), Special Local Need Registration.

Headline® fungicide Crop-specific Use Directions

Crop	Target Disease	Product Use Rate per Application (fl ozs/A)	Maximum Number of Sequential Applications	Maximum Product Rate per Season (fl ozs/A)	Minimum Time from Application to Harvest (PHI)
Oats	Crown rust (<i>Puccinia coronata</i>) Helminthosporium leaf spot (<i>Dreschlera avenae</i>) Leaf blotch (<i>Pyrenophora avenae</i>) Leaf rust (<i>Puccinia</i> spp.) Septoria blotch and Stem rot (<i>Septoria avenae</i> , <i>Phaeosphaeria avenaria</i> , <i>Stagnospora avenae</i>) Spot blotch (<i>Bipolaris</i> spp.) Stem rust (<i>Puccinia graminis</i>)	6 to 9*	2	18 (0.29 lb ai/acre)	Apply no later than the beginning of flowering (Feeke's 10.5 Zadok's 59)

Application Directions. For optimal disease control, begin applications of **Headline** prior to disease development. To maximize yields in cereals, it is important to protect the flag leaf. Apply **Headline** immediately after flag leaf emergence for optimum results.

Headline does not control Fusarium head blight (head scab) or prevent reductions in grain quality that can result from this disease. When head blight is a concern, growers should manage this disease with fungicides that are labeled for and effective in managing this disease, and with cultural practices like crop rotation and plowing to reduce crop residues that serve as an inoculum source.

Resistance Management. To limit the potential for development of resistance, **DO NOT** apply more than 0.29 lb ai pyraclostrobin (= 18 fl ozs **Headline**) per acre per season.

DO NOT harvest oat hay or feed green-chopped oats within 14 days of last application.

DO NOT make more than two (2) sequential applications of **Headline** before alternating to a labeled non-Group 11 fungicide with a different mode of action.

*For early season control of leaf blotch, Septoria blotch and stem rot, and spot blotch when conditions favor disease development, apply 3 to 6 fl ozs per acre of **Headline** either in combination with a herbicide application or when conditions favor disease development. When the 3 to 6 fl ozs early season application rate is used, a second application of **Headline** may be required to protect the emerged flag-leaf. Environmental conditions and disease pressure at the time of flag-leaf emergence should be used to determine the **Headline** rate for the second application. The rate ranges for different levels of these factors are outlined in the following table.

Level of Disease Pressure or Environmental Risk at Flag-leaf Emergence	Headline (fl ozs/A)
low	3 to 6
moderate to high	6 to 9

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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 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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The Chemical Company