

8/1/97

PM 23

45639-173

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Mr. Bert Volger
Agrevo USA Company
Little Falls Centre One
2711 Centerville Road,
Wilmington, DE 19808

AUG - 1 1997

Subject: Hoelon® 3EC Herbicide
EPA Registration No. 45639-173
Your Letter Dated July 10, 1997 and Application
Dated July 2, 1997, Request To Delete Restriction
of Hoelon 3EC Herbicide in Monterey, Santa Clara,
Kern, Los Angeles, San Louis Obispo, and Riverside
Counties; and To Add Use in the State of Illinois

The proposed basic Confidential Statement of Formula (CSF),
submitted on EPA Form 8570-4 and dated July 2, 1997, has been
reviewed and found acceptable as an amendment to the subject
pesticide product registration under the Federal Insecticide,
Fungicide and Rodenticide Act (FIFRA) as amended. The new
CSF has been added to this Agency's record for this product
registration; it was found to be in compliance with PR Notice
91-2.

The proposed labeling revisions have been reviewed and
found to be acceptable as amendments to the registration
of the subject pesticide product under FIFRA, provided
that you:

- o Submit one (1) copy for the final printed labeling
before you release the product for shipment under
the revised label.

If this condition is not complied with, the registration
will be subject to cancellation in accordance with FIFRA,
section 6(e). Your release for shipment of the product
under this label constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Joanne I. Miller

Product Manager (23)

Herbicide Branch
Registration Division (7505C)

SYMBOL							
SURNAME	Enclosure						
DATE							

Alto

2/4

**RESTRICTED USE PESTICIDE
DUE TO ONCOGENICITY IN LABORATORY MICE***

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

Hoelon® 3EC

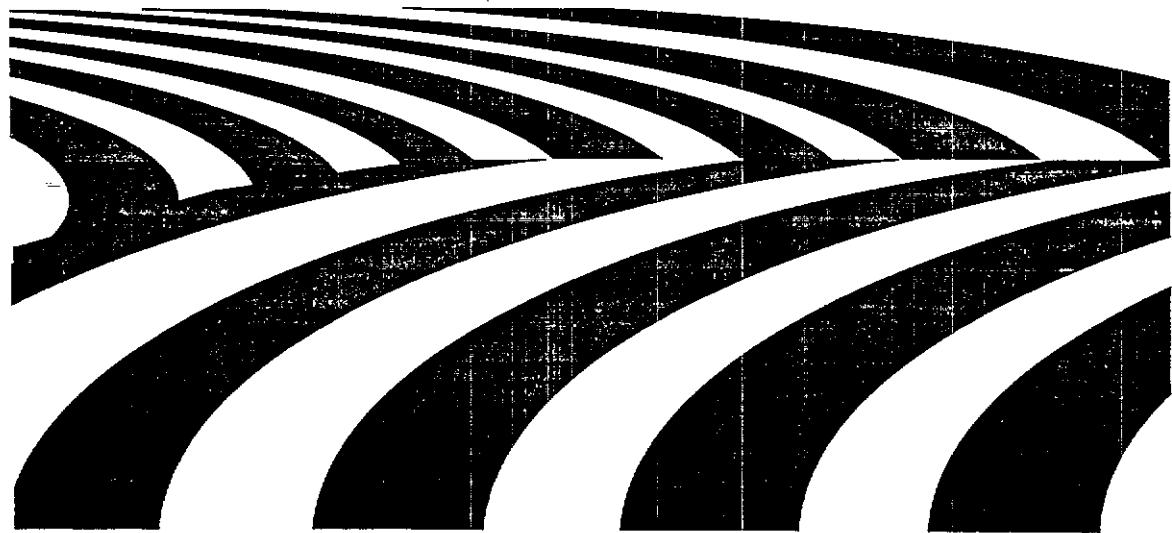
HERBICIDE

For Control of Wild Oats and Other Annual Grasses
in Wheat (Including Durum Wheat) and Barley

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

AUG - 1 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
45639-173



ACTIVE INGREDIENT:	
diclofop-methyl: methyl 2-[4-(2,4-dichlorophenoxy) phenoxy] propanoate	34.7%†
INERT INGREDIENTS:	<u>65.3%</u>
TOTAL	100.0%

†Equivalent to 3.0 pounds of active ingredient per gallon.
Protected by U.S. Patent No. 4,301,295
EPA Registration Number 45639-173

**KEEP OUT OF REACH
OF CHILDREN**

DANGER PELIGRO

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.)

*The Environmental Protection Agency has concluded that diclofop-methyl, the active ingredient in this product, produced tumors in laboratory mice. This effect was not observed in other species tested. The user must read and follow all precautionary statements on this label. Give particular attention to protective clothing requirements.



Specimen Label

DIRECTIONS FOR THE POSTEMERGENCE USE OF HOELON 3EC HERBICIDE ON WINTER WHEAT, SPRING WHEAT (INCLUDING DURUM WHEAT)

This product is registered for postemergence use on wheat (including durum wheat) in the following States:

Alabama	Idaho	Maryland	Nebraska	Oklahoma	Texas
Arizona	Illinois	Minnesota	Nevada	Oregon	Utah
Arkansas	Indiana	Mississippi	New Mexico	South Carolina	Virginia
Colorado	Kansas	Missouri	North Carolina	South Dakota	Washington
Delaware	Kentucky	Montana	North Dakota	Tennessee	West Virginia
Georgia	Louisiana				

(The General Information section must also be read for complete use instructions.)

Apply HOELON 3EC Herbicide as a broadcast postemergence spray at the rates listed below:

Susceptible Annual Grassy Weeds	Amount of HOELON 3EC Herbicide Per Acre (Pints) ¹ Relative to Growth Stage of Annual Grassy Weeds		
	1-3 Leaf	3-4 Leaf	5 Leaf-2 Tillers
Annual ryegrass (Italian) ² <i>Lolium multiflorum</i>	1 1/3	1 1/3-2	2-2 2/3
Broadleaf signalgrass (suppression) <i>Brachiaria platyphylla</i>	2 2/3	DO NOT APPLY Reduced Grassy Weed Control Will Occur	
Crabgrass ³ <i>Digitaria sanguinalis</i>	2 2/3		
Persian darnel <i>Lolium persicum</i>	2 2/3		
Fall panicum <i>Panicum dichotomiflorum</i>			
Barnyardgrass watergrass <i>Echinochloa crus-galli</i>			
Giant foxtail <i>Setaria faberii</i>			
Green foxtail pigeongrass <i>Setaria viridis</i>			
Yellow foxtail pigeongrass ³ <i>Setaria lutescens</i>			
Wild oat <i>Avena fatua</i>	2 to 2 2/3		
Itchgrass Raoulgrass <i>Rottboellia exaltata</i>	2 2/3		
Volunteer corn <i>Zea mays</i>			
Witchgrass (suppression) <i>Panicum capillare</i>			
Smallseed canarygrass (suppression) ⁴ <i>Phalaris minor</i>			
Spring milletgrass <i>Millium vernale</i>			
Hooded canarygrass ⁴ <i>Phalaris paradoxa</i>			

¹ When controlling mixed populations of grassy weeds, always use the rate that will control the least susceptible species.
² Annual ryegrass may also be controlled preemergence in winter wheat. See appropriate recommendation section in this labeling.
³ For best control of crabgrass and yellow foxtail, application should be made before the second leaf fully emerges.
⁴ See specific control recommendations for smallseed and hooded canarygrass in that section of the labeling.

POSTEMERGENCE SPECIAL INSTRUCTIONS

When using HOELON 3EC Herbicide postemergence in wheat to control annual grassy weed(s), and the weeds do not include annual ryegrass, broadleaf signalgrass, crabgrass, Persian darnel or yellow foxtail, apply the 2 pints per acre rate when the annual grassy weeds are in the 1-3 leaf stage of growth, and growing conditions are optimal. In the north central region of the United States (east of the Rocky Mountains) in spring wheat and durum under normal growing conditions, the 1-3 leaf stage of wild oat plants generally occurs 16-26 days after planting. In the northwest region of the United States in spring wheat and durum (west of the Rocky Mountains) under normal growing conditions the 1-3 leaf stage of wild oat plants generally occurs 18-28 days after planting. In either region, under normal growing conditions, wild oat plants will add an additional leaf every 4 days. In either region, begin checking your fields 10-12 days after planting to assure correct application timing. Higher application water volumes and use rates of HOELON 3EC Herbicide should be used when the majority of annual grassy weeds are not clearly in the specified stage of growth, if growth is retarded due to adverse growing conditions, or under heavy weed infestations. Apply HOELON 3EC Herbicide before the first node (jointing) develops in the wheat plant.

Do not apply HOELON 3EC Herbicide less than 77 days before harvesting wheat.

CROP OIL CONCENTRATE

In spring wheat (including durum wheat) and winter wheat, it may be helpful to add 1 pint to 1 quart per acre of crop oil concentrate approved for use on growing crops. Use a crop oil concentrate containing a blend of 80 percent (minimum) petroleum or vegetable base oil and the remaining composed of a tolerance-exempt surfactant. Do not use crop oil concentrate with HOELON 3EC Herbicide in winter wheat when conditions are cool and wet. Some slight wheat yellowing may be noted when crop oil concentrates are added to HOELON 3EC Herbicide.

FUNGICIDE TANK MIXES FOR POSTEMERGENCE APPLICATIONS IN WHEAT

HOELON 3EC Herbicide can be tank mixed with mancozeb, Tilt®, Topsin®, Mertect® DF or Benlate® fungicides when application timing is correct for both products. All fungicides should be used in accordance with the label limitations and precautions for each product. No label dosage rates should be exceeded.

DIRECTIONS FOR THE POSTEMERGENCE CONTROL OF ANNUAL RYEGRASS, WILD OAT, AND SMALLSEED CANARYGRASS IN WHEAT IN CALIFORNIA ONLY

HOELON 3EC HERBICIDE APPLICATION RATES

Grasses	Broadcast Rate in Pints per Acre			
	1-3 Leaf ¹	4 Leaf	4-5 Leaf	5 Leaf - 2 Tillers
Annual ryegrass	1 1/3	1 1/3	2	2 2/3
Wild oat	2-2 2/3	2 2/3	DO NOT APPLY	
Smallseed canarygrass	2 2/3	DO NOT APPLY		DO NOT APPLY

WEATHER CONSIDERATIONS

In fall-seeded winter or spring wheat varieties, do not apply if one or a combination of the following environmental conditions are present or prolonged preceding a HOELON 3EC Herbicide application. Crop injury may occur:

1. COLD TEMPERATURES

If at *anytime* during the 72 hours (3 days) preceding a HOELON 3EC Herbicide application the temperature drops below 35°F

2. MOISTURE CONDITIONS

- a) Waterlogged or poorly drained fields
- b) Moisture content is at field capacity

If the above adverse environmental conditions are present, the wheat is already under severe environmental stress; do not compound the stress with chemical applications. With respect to the foregoing statement: buyer specifically assumes all risks should cold and/or wet weather conditions occur prior to or during the HOELON 3EC Herbicide application.

If freezing temperatures are predicted within three days after application, HOELON 3EC Herbicide use should be delayed.

Notes

1. In California, HOELON 3EC Herbicide may only be tank mixed with Buctril Herbicide. Follow the label limitations and precautions on each label. No label dosage rates should be exceeded.
2. In California, HOELON 3EC Herbicide should be applied postemergence only to wheat.

DIRECTIONS FOR THE POSTEMERGENCE USE OF HOELON 3EC HERBICIDE ON BARLEY

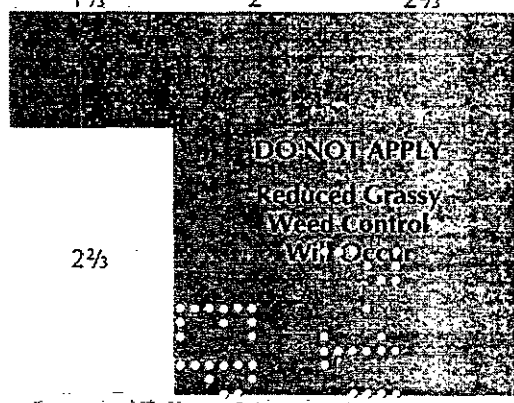
This product is registered for postemergence use on all spring barley varieties in the following States:

Arizona	Maryland	New Mexico	South Carolina	Washington
Colorado	Minnesota	North Carolina	South Dakota	West Virginia
Delaware	Montana	North Dakota	Texas	Wyoming
Idaho	Nebraska	Oklahoma	Utah	
Kansas	Nevada	Oregon	Virginia	

(The General Information section must also be read for complete use instructions.)

Apply HOELON 3EC Herbicide as a broadcast postemergence spray at the rates listed below:

Susceptible Annual Grassy Weeds	Amount of HOELON 3EC Herbicide Per Acre (Pints) ¹ Relative to Growth Stage of Annual Grassy Weeds			
	1-3 Leaf	4 Leaf	5 Leaf	5 Leaf-2 Tillers
Annual ryegrass Italian ² <i>Lolium multiflorum</i>	1 1/3	1 1/3	2	2 2/3
Broadleaf signalgrass suppression <i>Brachiaria platyphylla</i>	2 2/3			
Crabgrass ³ <i>Digitaria sanguinalis</i>	2 2/3			
Persian dandel <i>Lolium persicum</i>	2 2/3			
Smallseed canarygrass <i>Phalaris minor</i>	2 2/3			
Fall panicum <i>Panicum dichotomiflorum</i>				
Barnyardgrass watergrass <i>Echinochloa crus-galli</i>				
Giant foxtail <i>Setaria faberii</i>				
Green foxtail pigeongrass <i>Setaria viridis</i>				
Yellow foxtail pigeongrass ³ <i>Setaria lutescens</i>	2 to 2 2/3	2 2/3		
Wild oat <i>Avena fatua</i>				
Itchgrass Raouigrass <i>Rottboellia exaltata</i>				
Volunteer corn <i>Zea mays</i>				
Witchgrass suppression <i>Panicum capillare</i>				



¹ When controlling mixed populations of grassy weeds, always use the rate that will control the least susceptible species.

² Annual ryegrass may also be controlled preemergence in winter wheat. See appropriate recommendation section in this labeling.

³ For best control of crabgrass, smallseed canarygrass and yellow foxtail, application should be made before the second leaf fully emerges.