

**RESTRICTED USE PESTICIDE**  
 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

supplemental label for

**Hoelon**  
 3EC HERBICIDE

**ACCEPTED**  
 MAY 3 1985  
 by the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 8340-11

**For Early Postemergence Use For Wild Oats**

**IMPORTANT**

Before using this product, read and carefully observe all applicable directions, restrictions and precautionary statements on the EPA approved Hoelon 3EC container and use directions labels.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of application.

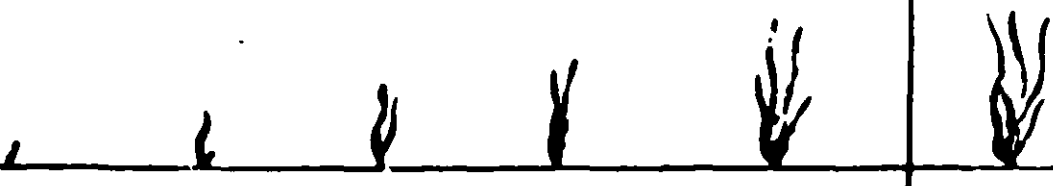
**THIS PRODUCT IS RESTRICTED FOR USE ON THE FOLLOWING CROP IN THE FOLLOWING STATES:**

**LENTILS:** Idaho and Washington

**GENERAL INFORMATION:** HOELON 3EC Herbicide is an emulsifiable concentrate for selective postemergence use in the control of the following:

**WILD OATS.....Avena fatua**

Apply HOELON 3EC in water and apply as a broadcast postemergence spray at the rates listed below

Crop	Stage of Growth (Annual Grassy Weeds)	Amount of HOELON 3EC per acre treated*	Equipment Notes
Lentils	1-4 leaves more than 4 leaves	2-2 1/2 pints Do not apply	Thorough uniform spray coverage of weeds is essential. Ground applications should be in at least 10 gal. of water using a minimum of 40 psi and use of fan type or hollow cone nozzles is recommended. Only ground applications should be made on lentils.  Do not make applications within 150 ft. of a lake, stream, pond, drainage basin, tidal marsh or estuary.
Soybean			
Annual Grassy Weed Stage			
Soybean	1 leaf	2 leaf	3 leaf
	4 leaf	More than 4 leaves	
			
Lentils	Use 2-2 1/2 pints		Do not apply

**Special Notes**

1. HOELON 3EC does NOT control broadleaf weeds or perennial grassy weeds.
2. HOELON 3EC is a slow acting product therefore, visual results will not be evident immediately following application.
3. Do NOT apply more than one application of HOELON in a growing season.
4. Do NOT allow livestock to graze treated fields. Do NOT harvest forage, hay or straw from treated fields prior to crop harvest.
5. Do not combine with any broadleaf herbicide for use on lentils.

Apply the two pint rate only when the annual grassy weeds are in the 1-2 leaf stage of growth and growing conditions are optimal. Higher rates should be used (see rate chart above) when the majority of grassy weeds is not clearly in the selected stage of growth or if growth is retarded due to lack of moisture. Thorough spray coverage is essential.

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PM 23

Revised March 20, 1985

SUPPLEMENTAL LABELING

HOELON® 3EC HERBICIDE  
(EPA Reg. No. 8340-11)

RESTRICTED USE PESTICIDE  
For retail sale to and use only by Certified  
Applicators or persons under their direct super-  
vision and only for those uses covered by the  
certified applicator's certification.

DIRECTIONS FOR USE FOR TANK MIXES

IMPORTANT

Before using this product, read and carefully observe all applicable  
directions, restrictions and precautionary statements on the EPA approved  
Hoelon 3EC container and use directions labels and on the labels of  
each tank mix product.

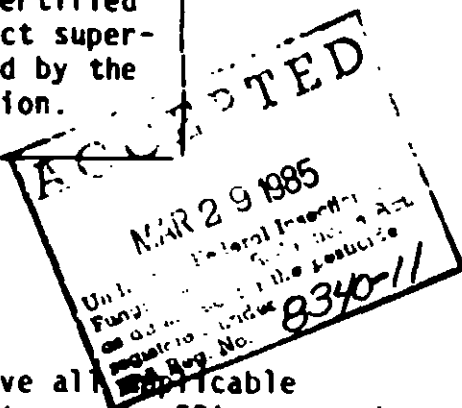
DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner incon-  
sistent with its labeling. This labeling must be in the possession of  
the user at the time of application.

BROADLEAF HERBICIDES

All broadleaf herbicides labeled for tank mixing with HOELON® should be  
used in accordance with the label limitations and precautions for each  
product. No label dosage rate should be exceeded. For best results  
HOELON tank mixes should be used only when growing conditions (air  
temperature and soil moisture) are optimum, and grasses are in the  
2-3 leaf stage with light to moderate infestations. Broadleaf herbicides,  
other than those listed below, should not be applied within five days of  
a HOELON application. If other broadleaf herbicides are applied within  
five days of a HOELON application, reduced grassy weed control may occur.

The ME4® Brominal® or Buctril® (2EC) plus MCPA (ester) (4EC) tank mix  
or the Glean® (75 WP) tank mix is for use in wheat only for the control  
of wild oats, annual ryegrass, and green foxtail (pigeongrass).  
Applications should be made by ground in a minimum of ten gallons of  
water per acre.



ME4 BROMINAL or BUCTRIL (2EC)

HOELON should be used at the 2 - 3 1/3 pint per acre rate as specified on the label. If Buctril (2EC) is used, it should be mixed at a rate of 1 1/2 - 2 pints per acre according to the directions specified on the label. ME4 Brominal should be used at 3/4 - 1 pint per acre as specified on the label. Ground application should be made with minimum of ten gallons of water per acre and air applications with a minimum of five gallons of water per acre.

ME4 BROMINAL or BUCTRIL (2EC) Plus MCPA (ester) (4EC)

Low rates of MCPA (ester) (4EC) can be added to a tank mix of HOELON plus ME4 Brominal or Buctril (2EC). HOELON should be used at a rate of 2 2/3 - 3 1/3 pints per acre. When Buctril (2EC) is used, a rate of one pint per acre should be tank mixed with MCPA (ester) (4EC) at 1 1/2 ounces per acre. If ME4 Brominal is used, a rate of 1/2 pints per acre should be tank mixed with MCPA (ester) (4EC) at 1 1/2 ounces per acre. MCPA rates in excess of 1 1/2 ounces per acre may interfere with grass control by HOELON.

225 10.6  
less 10.6  
= 214.4  
rate

GLEAN® (75 WP)

HOELON can be tank mixed with Glean (75 WP) for broadleaf weed control in winter wheat only. HOELON should be used at a rate of 2 2/3 - 3 1/3 pints per acre. The rate of Glean (75 WP) should not exceed 1/4 ounces per acre. Refer to the Glean Label for weed species controlled at the 1/4 ounce per acre rate.

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# Hoelon®

3EC HERBICIDE

ACCEPTED

JAN 7 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this product is registered under EPA Reg. No. 8340-11

For Postemergence Control of Wild Oats and Other Annual Grasses in Wheat, Including Durum, Barley, Soybeans and Acreage Conservation Reserve (Set Aside).

Keep Out of Reach of Children.

## DANGER

See Additional Precautionary Statements at End of Label.

EPA Reg. No. 8340-11

**Active Ingredient\***

Dictolop-methyl: methyl 2-[4-(2,4-dichlorophenoxy) phenoxy] propanoate 35.49%

Inert Ingredients 64.51%

TOTAL 100.00%

\*Equivalent to 3.0 pounds of active ingredient per gallon

NET CONTENTS: [BULK SHIPMENTS IN TANK TRUCKS; EXACT QUANTITY TO BE INSERTED ON LABEL AND LABEL TO BE AFFIXED TO TANK TRUCK.]

American Hoechst Corporation  
Agricultural Division  
Somerville, New Jersey 08876

## Hoechst



**Directions for Use:**

This product is registered for use in the following states:

Wheat, Barley, Soybeans and Acreage Conservation Reserve	Wheat and Barley Only	Wheat Only	Soybeans & Acreage Conservation Reserve	Wheat, Soybeans & Acreage Conservation Reserve
Delaware ✓	Arizona ✓	Alabama ✓	Illinois ✓	Missouri ✓
Kansas ✓	California ✓	Arkansas ✓	Indiana ✓	New Jersey ✓
Maryland ✓	Colorado ✓	Florida ✓	Iowa ✓	Ohio ✓
Minnesota ✓	Idaho ✓	Georgia ✓	Kentucky ✓	Pennsylvania ✓
	Montana ✓	Mississippi ✓	Michigan ✓	Wisconsin ✓
	Nevada ✓	Tennessee ✓		
	New Mexico ✓	Washington ✓		
	North Carolina ✓	West Virginia ✓		
	Wyoming ✓			

**General Information**

HOELON® 3EC Herbicide is a highly selective herbicide for the control of a broad spectrum of annual grassy weeds in wheat, including durum, barley, soybeans and acreage conservation reserve. HOELON is a three pound per gallon emulsifiable concentrate. For best results, HOELON should be applied when the majority of annual grass weeds are in the one-to-three leaf stage of growth. Larger weeds, three-to-four leaves, will require a higher dosage rate.

The stage of weed growth is as important as the number of weeds. In high populations, thorough uniform spray coverage of weeds is critical and use of flat fan nozzles is recommended for optimum coverage with ground equipment.

**Special Notes:**

1. HOELON 3EC does NOT control broadleaf weeds or perennial grassy weeds.
2. HOELON 3EC is a slow acting product, therefore, visual results will not be evident immediately following application.
3. Do NOT apply more than one application of HOELON in a growing season.
4. Do NOT allow livestock to graze treated fields. Do NOT harvest forage, hay or straw from treated fields prior to grain harvest.

**Equipment Notes**

Thorough uniform spray coverage of weeds is essential. Ground applications should be in at least 10 gallons of carrier per acre using a minimum of 40 psi and use of fan or hollow cone nozzles is recommended. Aerial applications must be applied in at least 5 gallons of carrier per acre. Use spray nozzle tips and spraying pressures which provide a small uniform droplet size (200-350 micron range).

Do not make aerial applications when wind is above 5 mph or within 100 feet of a lake, stream, drainage basin, tidal marsh, or estuary.

Only clean water, free of suspended matter or other contaminants, should be used when applying HOELON.

Apply HOELON as a Broadcast Postemergence Spray at the Rates Listed Below.

Amount of HOELON Per Acre (Pints)\* Relative To  
Growth Stage Of Annual Grassy Weeds

Susceptible Annual Grassy Weeds	1-3 Leaf	3-4 Leaf	4-5 Leaf	6 Leaf - 2 Tillers
Annual Ryegrass (Italian) ( <i>Lolium multiflorum</i> ) <sup>1</sup>	1 1/2 pints	1 1/2 pints	2 pints	2 3/4 pints
Broadleaf Signalgrass (Suppression) ( <i>Brachiaria platyphylla</i> )	2 3/4-3 1/4 pints	Do Not Apply		
Crabgrass ( <i>Digitaria sanguinalis</i> )	2 3/4-3 1/4 pints	Do Not Apply		
Fall Panicum ( <i>Panicum dichotomiflorum</i> )	2-2 3/4 pints ✓	2 3/4-3 1/4 pints ✓	Do Not Apply	
Barnyardgrass (watergrass) ( <i>Echinochloa crusgali</i> )				
Giant Foxtail ( <i>Setaria faberii</i> )				
Green Foxtail (pigeongrass) ( <i>Setaria viridis</i> )				
Perennial Dandel ( <i>Lolium perenne</i> )				
Wild Oats ( <i>Avena fatua</i> )	2-2 3/4 pints ✓	2 3/4-3 1/4 pints ✓	Do Not Apply	
Low Foxtail (pigeongrass) ( <i>Setaria latescens</i> )				
Witchgrass (suppression) ( <i>Panicum capillare</i> )				
Richgrass (Richgrass) ( <i>Portobacca exaltata</i> )				
Volunteer Corn (See mays)				

See specific control recommendations for Richgrass and  
Volunteer Corn in this labeling.

<sup>1</sup> Annual ryegrass can also be controlled preemergence in  
wheat. See appropriate recommendation section in  
this labeling.

<sup>2</sup> When controlling mixed populations of grassy weeds,  
always use the rate that will control the least susceptible  
species. If tank mixing HOELON with nitrogen fertilizer,  
never use less than the 2 pint rate for ryegrass control.

#### Special Notes:

For best results, HOELON<sup>®</sup> 3EC should be applied when  
the majority of annual grassy weeds is in the one-to-four  
leaf stage of growth. For best control of crabgrass and  
yellow foxtail, applications should be made before the  
second leaf fully emerges. The stage of weed growth is  
more important than the number of weeds. Thorough  
uniform spray coverage of weeds is essential.

#### Rate Range for Each Crop/Region

Registered Crops	Rate Range For Each Crop/Region	Crop Growth Stage
1. Wheat, including Durum (All Regions)	1 1/2-3 1/4 pints ✓	Minimum Maximum
2. Barley (North Central, Southwest) and Western Regions of U.S.)	1 1/2-2 3/4 pints	None Before one node (jointing)
3. Barley (Southeast and Midatlantic Regions of U.S.) <sup>2</sup>	1 1/2-2 pints ✓	After Tiller (Shooting) Initiation Before one node (jointing)
4. Soybeans, All registered states	2-3 1/4 pints ✓	None Before formation of sixth trifoliate leaf

<sup>2</sup> HOELON can only be used on the following varieties of  
barley in the Southeast and Midatlantic Regions: Boone,  
Linton, Henry and Sussex. Applications of HOELON to  
other varieties of barley in the Southeast and Midatlantic  
Regions may result in crop damage.

Barley must be developed to tiller initiation in the Southeast<sup>2</sup>  
and Midatlantic Regions prior to applying HOELON or  
increased crop response may be noted.

## Directions for the Use of HOELON In Wheat & Barley

(The general information section of this label must also be read for complete use instructions.)

When using HOELON® 3EC Herbicide to control grassy weeds in the North Central, Southwest and Western U.S. and the grassy weed(s) do not include annual ryegrass, apply the 2 pint rate when the annual grassy weeds are in the 1-3 leaf stage of growth and growing conditions are optimal. Higher rates should be used (see chart) when the majority of the grassy weeds is not clearly in the specified stage of growth or if growth is retarded due to lack of moisture. Thorough spray coverage is essential.

Cold (lower than 40°F) and/or prolonged wet weather conditions increase the sensitivity of barley to HOELON, and HOELON should not be used under these adverse growing conditions.

### Tank Mixes

#### Broadleaf Herbicides

HOELON can be tank mixed with Brominal® (2EC or ME4) or Buctril® (2EC) for broadleaf weed control in accordance with the label limitations and precautions for each product. No label dosage rates should be exceeded. HOELON should be used at the 2-3½ pint per acre rate as specified on this label. If Brominal is used, it should be mixed at a rate of 1½-2 pints/acre according to the directions specified on the label. Brominal ME4 should be used at ¾-1 pint/acre as specified. If Buctril is used, mix it at a rate of 1½-2 pints/acre as specified on the label. In either case, ground application should be made with a minimum of 10 gallons of water per acre, and air applications with a minimum of 5 gallons of water per acre. Other broadleaf herbicides should not be applied within 5 days of a HOELON application. If other broadleaf herbicides are applied within 5 days of a HOELON application, reduced grassy weed control may occur.

#### Crop Oil Concentrate

In spring wheat only, at the lower labeled usage rates, it may be helpful to use 1 pint to 1 quart of crop oil concentrate approved for use on growing crops. Use an oil concentrate containing a blend of 80% (minimum) petroleum or vegetable base oil and the remaining composed of a tolerance exempt surfactant. Some slight wheat yellowing may be noted when oil concentrates are added to HOELON. Do not apply oil concentrate or other additives with HOELON for use on barley.

#### Fertilizers

HOELON can be tank mixed with liquid nitrogen fertilizers (e.g., 28-32%) if the timing for use is compatible. When mixing with liquid nitrogen fertilizers, as a partial or total carrier, increased crop burn may occur. This condition is intensified under higher temperatures (greater than 75°F daytime) and/or low soil moisture. Mixtures of HOELON and nitrogen fertilizers should not be used when these environmental conditions are present. Thorough spray coverage is essential when using HOELON and fan-type nozzles are recommended for ground applications.

## Preemergence Use to Control Annual Ryegrass In Fall Planted Wheat (Winter Wheat)

Apply HOELON® 3EC Herbicide preemergence (at planting) to wheat to control annual ryegrass. HOELON should be applied at a rate of 2 pints to 2½ pints depending upon soil type and annual ryegrass density. In coarse textured soils with less than 2% organic matter, use the 2 pint per acre rate. In fine textured soils with greater than 2% organic matter, use the 2½ pint per acre rate. In fields that have a history of heavy annual ryegrass pressures, always use the 2½ pint rate. If rainfall does not occur within seven (7) days after application, reduced control may occur.

**DO NOT** apply HOELON preemergence to barley as barley damage will occur. HOELON applied preemergence will not control wild oats.

## Directions for the Use of HOELON in Soybeans

Apply HOELON at the higher labeled rates when the development of the majority of grassy weeds is not clearly in the specified stages of growth or if growth is retarded due to adverse growing conditions.

Under these conditions, the addition of 1 pint to 1 quart of crop oil concentrate may result in improved weed control. Use an oil concentrate containing a blend of 80% (minimum) petroleum or vegetable base oil with the remaining composed of a tolerance exempt surfactant.

Banded applications of HOELON may be made using the following formula to calculate applications:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \frac{\text{Rate/acre}}{\text{broadcast}} = \frac{\text{Amount needed}}{\text{for treatment}}$$

### Volunteer Corn & Itchgrass

Heavy infestations of volunteer corn (especially when uneven emergence is occurring from ears buried at varying soil depths) should be treated as a special weed problem. Apply HOELON after ALL of the volunteer corn has emerged but before the first emerged corn grows to a height where thorough coverage (including the whorl) is not possible. Spray boom height and pressures should be adjusted to obtain total coverage of the entire volunteer corn plant. Thorough coverage of the volunteer corn foliage and penetration of clumps is essential. Use 2 to 3½ pints of HOELON in 10 to 40 gallons of water per acre at not less than 40 psi.

At the lower labeled use rate, use 1 pint to 1 quart of crop oil concentrate approved for use on growing crops. Use an oil concentrate containing a blend of 80% (minimum) petroleum or vegetable base oil with the remaining composed of a tolerance exempt surfactant. Spot treatments of clumps may be necessary.

For treatment of individual clumps of volunteer corn use 1½ fluid ounces per one gallon of spray/acre (3½ pints per 40 gallons). In mixed annual grassy weed, volunteer corn infestations, the delayed broadcast application of HOELON to control heavy infestations of volunteer corn could result in reduced control of any annual grassy weeds that have grown beyond the recommended leaf stages. Do not apply more than one application of HOELON in a growing season.

Continued

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For postemergence control of itchgrass, apply HOELON to emerged itchgrass before it has grown beyond 10-12 inches in height. Use 2½ pints of HOELON in at least 10 gallons of water per acre. Flat-fan nozzles and a pressure of at least 40 pounds per square inch have proven most effective. HOELON may be used on a broadcast basis sprayed directly over-the-top of the soybeans. Complete coverage of itchgrass is essential. The delayed application of HOELON to control heavy infestations of itchgrass may give reduced control of other susceptible annual grasses. HOELON is most effective when the grasses are actively growing. It is less effective when used under drought stress.

**Special Notes:**

1. Do NOT tank mix HOELON® 3EC Herbicide with any other herbicide or apply any other herbicide within one week of a HOELON 3EC application.
2. Banvel®, 2,4-D and other phenoxy herbicide injury sometimes occurs in soybean fields treated with HOELON even though these herbicides were not recently used in the sprayer. This situation is not caused by HOELON and is often caused by sprayer contamination. If these products have been used in your sprayer, refer to AHC Technical Service Bulletin No. 100, "How to Avoid Sprayer Contamination," available through your HOELON supplier.

**Directions for Use of HOELON® 3EC**

**Acreage Conservation Reserve (Set-Aside)**

(The general information section of this label must also be read for complete use instructions.)

HOELON may be used to control the annual grassy weeds in acreage conservation reserve or set-aside programs. This acreage is often seeded to wheat, clover or alfalfa as a cover crop. These cover crops have excellent tolerance to HOELON. Use 2 pints to 3½ pints of HOELON per acre when the annual grassy weeds are in the one to four leaf stage as noted in the use directions section of this labeling. In most situations, 2 pints of HOELON plus 2 pints of crop oil concentrate will offer commercially acceptable control of annual grasses in acreage conservation reserve programs. Apply HOELON early to young actively growing grassy weeds. Do NOT harvest or graze cover crops treated with HOELON. Do NOT apply to cover crops such as oats, sorghum, and sudan grass as injury may occur.



9-9  
Keep Out of Reach of Children ✓

# DANGER ✓

## Precautionary Statements

### Hazards to Humans and Domestic Animals

Causes eye and skin damage. Do not get in eyes or on skin or clothing. Wear goggles and respirator when handling. Avoid contact or inhalation of spray mist. Wash thoroughly after using and change clothing. Do not take internally. ✓

The following protective apparel must be worn during all loading and mixing operations and when applied by ground equipment: gloves, waterproof boots, impermeable pants and shirts, goggles and a cartridge type respirator. Aerial pilots are not to be involved in the mixing and loading unless the aforementioned equipment is worn. Pilots must wear a cartridge type respirator during application unless the aircraft is equipped with an air filter system. ✓

The Environmental Protection Agency has concluded that diclofop-methyl, the active ingredient in this product, produces 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. ✓

### Environmental Hazards

This pesticide is toxic to fish. Use with care when applying in areas adjacent to any body of water. Keep out of lakes, streams, ponds, drainage basins, tidal marshes and estuaries. Do not apply when weather conditions favor runoff or drift. Avoid direct application or drift of spray material to water surfaces. Do not apply within 100 feet of aquatic habitat. Do not contaminate arable land and/or water by cleaning of equipment and/or disposal of waste. ✓

### First Aid

In case of skin or eye contact, immediately flush with plenty of water for at least 15 minutes. ✓

If swallowed, DO NOT INDUCE VOMITING but seek medical attention immediately. ✓

Note to Physician: Aspiration hazard may contraindicate the use of gastric lavage. ✓

### Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. ✓

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. ✓

Do not store below 20°F. ✓

*Containment Disposal - - - None*

*Refill shipment to air Tank Trucks*

### Important Notice: Disclaimer

Read "IMPORTANT NOTICE: DISCLAIMER" before buying or using. If terms are not acceptable, return at once unopened. AMERICAN HOECHST CORPORATION warrants only that the product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to AMERICAN HOECHST CORPORATION, and user assumes the risk of any such use. AMERICAN HOECHST CORPORATION MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. In no case shall AMERICAN HOECHST CORPORATION be liable for consequential, special, indirect or incidental damages resulting from the use or handling of this product. The foregoing conditions of sale and warranty can be varied only by an agreement in writing signed by a duly authorized representative of AMERICAN HOECHST CORPORATION. ✓

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Hoechst

