

24 MAR 1993

Mr. Victor A. Dorr  
Hoechst Celanese Corporation  
Route 202-205, P.O. Box 2500  
Somerville, NJ 08876-1258

Dear Mr. Dorr:

Subject: Whip<sup>®</sup> IEC Herbicide  
EPA Registration No. 8340-23  
Application Dated March 18, 1993, Updated Precautionary  
Statement: "Avoid contact with skin", Environmental  
Hazards Statement To Protect Wetlands, Disclaimer  
Statements, Emergency Contact, and A 30-Day Paf

The proposed amendments to the subject pesticide product registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), have been reviewed and found acceptable provided that you:

1. Use the following precautionary statement to reflect a Category III pesticide product, based on dermal irritation data:

"Avoid contact with skin or clothing."

2. Submit five (5) printed copies of the final printed label before releasing the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H-7505C)

Enclosure

E.Wilson:Diskette#10001a:03-23-93

BEST AVAILABLE COPY

*Eugene Wilson*

Revised: March 15, 1993

**SUPPLEMENTAL LABEL FOR USE IN CALIFORNIA ONLY**

**WHIP® 1EC HERBICIDE**

**FOR SELECTIVE POSTEMERGENCE ANNUAL GRASS CONTROL IN RICE**

**ACTIVE INGREDIENT:**

fenoxaprop-ethyl: (±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate..... 12.50%\*

INERT INGREDIENTS:..... 87.50%\*\*

TOTAL 100.00%

\* Equivalent to 1.00 pound of active ingredient per gallon.

\*\* This product contains the toxic inert ingredient dimethylformamide.

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

SEE ENCLOSED FOLDER FOR COMPLETE DIRECTIONS OF USE AND ADDITIONAL INFORMATION.

EPA REG. NO. 8340-23

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

EPA EST. NO.

24 MAR 1993

NET CONTENTS: 1 Gallon  
2.5 Gallons

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

**HOECHST CELANESE CORPORATION**

Route 202-206

P.O. Box 2500

Somerville, NJ 08876-1258

**Hoechst** 

**PRECAUTIONARY STATEMENTS****WARNING****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

May cause substantial but temporary eye injury. Do not get in eyes. Avoid contact with skin. Wear goggles or face shield and impermeable rubber gloves (such as neoprene or PVC) while mixing. Harmful if swallowed, absorbed through skin or inhaled. Do not take internally. Avoid inhalation of vapor or spray mist. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Drift or runoff may adversely affect nontarget plants. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark outside of a treated rice field. Do not contaminate water when disposing of equipment washwaters.

**STORAGE AND DISPOSAL**

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

Do not store over 100°F or below 10°F. Do not use or store near heat or open flame.

**PESTICIDE 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.

**CONTAINER DISPOSAL:** Empty containers should be triple rinsed into the spray tank during the spray operation. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**STATEMENT OF PRACTICAL TREATMENT**

In case of eye contact, immediately flush with plenty of water for 15 minutes. Get medical attention. If swallowed, do not induce vomiting. Whip 1EC Herbicide contains petroleum distillates. Call a physician. Vomiting should be supervised by a physician because of the possible pulmonary damage via aspiration of the solvent.

If possible bring this container and labeling to the attending physician.

For medical or environmental emergency,  
call 1-800-228-5635, Ext. 132.

**IMPORTANT NOTICE: DISCLAIMER**

Read "IMPORTANT NOTICE: DISCLAIMER" before buying or using. If terms are not acceptable, return at once unopened.

The directions for use of this product are believed to be reliable and should 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 timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, or use of this product in a manner inconsistent with its labeling, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

HOECHST CELANESE 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 HOECHST CELANESE CORPORATION and user assumes the risk of any such use. HOECHST CELANESE CORPORATION MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. In no case shall HOECHST CELANESE 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 HOECHST CELANESE CORPORATION.

**WHIP® 1EC HERBICIDE****FOR SELECTIVE POSTEMERGENCE ANNUAL GRASS CONTROL IN RICE****GENERAL INFORMATION**

Whip 1EC Herbicide is an emulsifiable concentrate for use in the selective postemergence control of annual grassy weeds in rice. Thorough spray coverage of emerged grasses is important. Visible effects begin as a general chlorosis (yellowing) followed by death of the weed. Visible injury of the grasses is evident approximately 4-10 days after application (dependent upon environmental conditions); but complete kill of the target grass will take 12-21 days.

Since many grass crops are sensitive to Whip 1EC Herbicide, including sorghum and corn, avoid all direct or indirect contact to neighboring fields.

Whip 1EC Herbicide does not control broadleaf weeds or sedges.

**CHEMIGATION**

DO NOT apply this product through any type of irrigation system.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply until you have read the entire label.

Rice is tolerant to postemergence applications of Whip 1EC Herbicide from the 5-leaf to the late tillering stage of rice development. Always plant high quality seed in order to obtain a uniform germination and a good rice stand. Postemergence applications may result in temporary rice injury that appears as leaf chlorosis and stunting. The rice will normally recover from these symptoms in two to four weeks.

Use instructions, particularly water management, must be followed to minimize rice injury. Read and follow all label directions carefully.

**APPLICATION INFORMATION**

- A. **Air Application:** Apply aurally using a minimum of 10 gallons of water per broadcast acre. It is recommended to increase the gallonage to obtain thorough coverage when a dense weed canopy is present. Uniform spray coverage is essential when using aircraft, and is achieved by the use of a spray droplet size ranging from 150 to 300 microns. A hydraulic boom-nozzle system that will apply 10 gallons of water per acre with a minimum pressure of 20 pounds per square inch is recommended. Best results are obtained with D-8 nozzles. DO NOT USE raindrop nozzles. Aerial applications with this product should be made at a height which provides the most effective swath width for the aircraft and yet provides the recommended rates given on this label and uniform application.

DO NOT APPLY by aircraft when wind speeds exceed 8 mph.  
Avoid all direct or indirect contact to neighboring fields.

**Special Notes:**

1. Thoroughly clean mixing vat and airplane by rinsing with clean water before Whip 1EC Herbicide is added.
  2. It is important to calibrate the spray equipment with Whip 1EC Herbicide in the spray solution. The spray swath width and total volume per acre may vary when compared to other rice herbicides.
  3. A flow meter is recommended to obtain proper water volume (gpa).
- B. **Ground Application:** Apply in a minimum of 10 gallons of water per broadcast acre. Flat fan or hollow cone nozzles are recommended. Use a minimum pressure of 40 PSI. Under dense weed/crop canopies, high spray pressure and increased gallonage is very important in obtaining thorough coverage.

While broadleaf crops, such as cotton and soybeans, are very tolerant to Whip 1EC Herbicide, grassy crops, such as corn and sorghum, are extremely sensitive and drift onto these grassy crops must be avoided. To insure thorough coverage and to avoid drift, DO NOT APPLY when the wind speed exceeds 8 mph.

## TIMING OF APPLICATION

When recommended water management practices are followed (see Water Management Section, optimal conditions for controlling grass usually occur when the rice is in the 5-leaf to late tillering stage of development (but prior to panicle initiation). However, applications should be made following the Rate and Grass Recommendation Chart for Rice below.

Rate Recommendation Chart for the Control of  
Watergrass (*Echinochloa crus-galli*) and Sprangletop (*Leptochloa* spp.)

Development of Rice	1-4 Leaves	5 Leaves-1 Tiller (5-7 Leaves)	1-3 Tillers (7-15 Leaves)	3 Tillers to Panicle Initiation		After Panicle Initiation
Weed Development	N/A	Up to 1 Tiller	Up to 2 Tillers	Up to 2 Tillers	>2 Tillers (Suppression)	N/A
Whip Rate	DO NOT APPLY	<-----1.2 pts./A----->			1.6 pts./A	DO NOT APPLY
Water Management		- Drain field prior to application.  - Apply Whip 1EC Herbicide.	If necessary, lower water so that 75% of target weed foliage is exposed out of flood.			N/A
		- Begin to bring shallow flood back onto field or reflood to a normal depth no sooner than 3 days after application.				
If a subsequent grassy weed germination occurs, a second application of Whip 1EC Herbicide can be applied as noted.		DO NOT APPLY	1.2 pts./A		DO NOT APPLY	

## WATER MANAGEMENT - IMPORTANT INSTRUCTIONS

The following paddy flood program must be used:

### POST-FLOOD:

1. The rice should have at least 5 leaves before making a post-flood application with Whip 1EC Herbicide.
2. Water levels at the time of application should cover no more than 25% of the rice and annual grass foliage.
3. Reflood to a normal depth no sooner than 3 days after the application.
4. Whip 1EC Herbicide may only provide suppression of annual grassy weeds having developed beyond the 2-tiller stage of growth.

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**SPECIAL NOTES FOR RICE:**

1. DO NOT add a crop oil concentrate to the spray solution when treating rice as rice injury may occur.
2. Rainfall within 1 hour of an application may reduce the grass control.
3. DO NOT make more than 2 applications of Whip 1EC Herbicide per growing season. Do not make a second application of Whip 1EC Herbicide within 14 days of the first application. Do not apply more than 2.4 pints per acre per growing season.
4. DO NOT apply Whip 1EC Herbicide after the late tillering stage of the rice crop development (but prior to panicle initiation).
5. ALWAYS clean spray system thoroughly before and after any pesticide application. Avoid using any water that is contaminated with other pesticides.
6. DO NOT graze or feed rice straw to livestock.
7. DO NOT plant any rotational crop in a Whip 1EC Herbicide treated field for 30 days after application.
8. DO NOT apply Whip 1EC Herbicide in areas where catfish and crayfish are commercially cultivated.
9. DO NOT use rice irrigation water to irrigate crops not registered for use with Whip 1EC Herbicide within 14 days of the last application of this product.
10. DO NOT apply Whip 1EC Herbicide less than 80 days before harvesting rice.
11. DO NOT apply Whip 1EC Herbicide for at least 14 days following the activation of fertilizer.
12. Applications of Whip 1 EC Herbicide to grasses under drought stress may result in reduced control.
13. DO NOT apply Whip 1 EC Herbicide within 7 days following a Furadan application.
14. DO NOT tank mix Whip 1 EC Herbicide with any other pesticides.