

APR 6 1994

Mr. Victor A. Dorr
Hoechst Celanese Corporation
Little Falls Center One
2711 Centerville Road
Wilmington, DE 19608

Dear Mr. Dorr:

Subject: Whip[®] IEC herbicide
EPA Registration No. 8340-23
Letters Dated March 29, 1994 and March 30, 1994,
Requesting Supplemental Labeling for Use in Culture
of Rice in California; Additional Protection of
Mixers and Loaders - Shall wear Chemical Resistant Suit

The proposed supplemental labeling for the subject
pesticide product registration under the Federal Insecticide,
Fungicide and Rodenticide Act (FIFRA), has been reviewed and
found acceptable provided that you:

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

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
constitutes acceptance of this condition.

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

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (4-7505C)

Enclosure

E.Wilson:Diskette#10001a:04-05-94

BEST AVAILABLE COPY

Revised: March 30, 1994 (Edition #11)

[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 AVISO

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.)

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 6 1994

EPA REG. NO. 8340-23

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

EPA EST. NO.

NET CONTENTS: 1 Gallon
2.5 Gallons

8340-23

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 or clothing. Harmful if swallowed, absorbed through skin or inhaled. Do not take internally. Avoid inhalation of vapor or spray mist.

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, or viton ≥ 14 mils; shoes plus socks; protective eyewear. Mixers and loaders shall wear a chemical resistant suit.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statement:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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

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.

50410

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.

<p>For medical or environmental emergency, call 1-300-228-5635, Ext. 132.</p>

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. 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.

10410

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls; chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils or viton ≥ 14 mils; shoes plus socks; protective eyewear.

Rice is tolerant to postemergence applications of Whip 1EC Herbicide from the early to 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 2 to 4 weeks.

Whip 1EC Herbicide is a contact herbicide. Optimum weed control is obtained only when target weeds are thoroughly covered. Weed control can only be achieved when application guidelines are followed.

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 aerially 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. To obtain particle size distribution, it is necessary to orientate nozzles to at least 45° down and back or include a swirl core within the nozzle body. 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; however, do not fly below 10 feet above the canopy.

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.

9 of 10

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 early to late tillering stage of development (but prior to panicle initiation). However, applications should be made following the Rate Recommendation Chart below.

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

Rice Stage of Growth	1-2 Tiller	2-4 Tiller	Prior to Panicle Initiation
Whip 1EC Herbicide Rate (Pt./A)	1 pt.	1.2 pt.	1.6 pt.
Water Management	If necessary, lower or allow water to recede so that 70% of the grassy weed foliage is exposed. Do not increase the water level for at least 3 days following the Whip 1EC Herbicide application. The water level may slowly be brought to a normal depth following this period.		
Sequential Application	Do not make a second application of Whip 1EC Herbicide sooner than 14 days after the first application.		

10 of 10

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. Whip 1EC Herbicide may be applied during the period of rice tiller development up to panicle initiation. Do not apply after 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 1EC Herbicide to grasses under drought stress may result in reduced control.
13. DO NOT apply Whip 1EC Herbicide within 7 days following a Furadan application.
14. DO NOT tank mix Whip 1EC Herbicide with any other pesticides.