

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.

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 early to late tillering stage of development (but prior to panicle initiation). However, applications should be made in accordance with the following procedure and Rate Recommendation Tables.

To determine the correct rate per acre to be applied to obtain satisfactory weed control, use either the rice stage of growth or the days after planting method. Utilize the rice stage of growth method unless cultural practices or weed density minimize the number of tillers developing on the rice, than use the days after planting method of rate selection.

RATE RECOMMENDATION TABLES FOR THE CONTROL OF WATERGRASS (*ECHINOCHLOA* SPP.) AND SPRANGLETOP (*LEPTOCHLOA* SPP.)

APPLICATION RATE ACCORDING TO RICE STAGE OF GROWTH

Rice Stage of Growth	Application rate, (pints/acre)
1-2 tiller ¹	1.0 - 1.2
2-4 tiller	1.2 - 1.4
4 tiller to panicle initiation ²	1.4 - 1.6

APPLICATION RATE ACCORDING TO DAYS AFTER PLANTING RICE

Days After Planting Rice	Application rate, (pints/acre)
28 - 40	1.0 - 1.2
35 - 45	1.2 - 1.4
45 - 55 (panicle initiation variety dependent)	1.4 - 1.6

Apply the higher rate within the rate range when the majority of rice plants in the field to be treated with Whip 1EC Herbicide are at the top end of the growth stage for that rate range. **EXAMPLE:** If the majority of the rice plants are at the 2 tiller stage of growth, then apply the 1.2 pint per acre rate. If the majority of the rice plants are at the 1 tiller stage of growth, then the 1.0 pint per acre rate may be applied.

- ¹ Do not apply before all rice plants have a minimum of one (1) tiller.
- ² Application(s) must be made prior to rice panicle initiation to avoid potential crop injury. Applications made following rice panicle initiation may result in crop injury and associated yield reduction.

FOR THE CONTROL OF SPRANGLETOP (LEPTOCHLOA SPP.) AND WATERGRASS (ECHINOCHLOA SPP.):

For the control of sprangletop, applications should be made prior to the emergence of the sprangletop panicle. Applications made following sprangletop panicle emergence may result in regrowth.

For the control of sprangletop and watergrass, thorough coverage of the target weed is critically important if optimum results are to be achieved. Sprangletop and watergrass may not be controlled if they are sheltered by rice or other weeds and do not receive thorough coverage. **Applications to dense stands of sprangletop or watergrass or large sprangletop plants or watergrass plants (3 tillers or more) make adequate coverage difficult to achieve. Suppression of larger (3 tillers or more) or partially covered weeds may be expected, with regrowth possible.** Under these conditions, increasing the application rate to the maximum allowed for the existing rice stage of growth, while at the same time increasing the number of gallons of water applied per acre to 15 to 20 gallons per acre is recommended.

Escaped weeds may be retreated with Whip 1EC Herbicide, however, do not make a second application of Whip 1EC Herbicide sooner than 14 days after the first application. Do not apply more than 2.4 pints per acre per growing season.

WATER MANAGEMENT

A sufficient portion of the target grassy weed plant must be exposed to Whip 1EC Herbicide for satisfactory control to be achieved. Therefore, if necessary, lower or allow water to recede so that at least 70% of the grassy weed foliage is exposed above the water level. Do not increase the water level for at least 3 days following the application of Whip 1EC Herbicide. A shallow flood (being no deeper than 50% of the height of the rice) may be slowly brought back onto the field following this period. Flood depth may be increased to a height greater than 50% of the height of the rice after an interval of 17 days following application.

Rice in areas of unusually deep water (inlet checks or low areas within a field) may experience injury following a Whip 1EC Herbicide application. If possible, lower the water so these areas are under a shallow flood (no deeper than 50% of the height of the rice) for an interval of 17 days following application.

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 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 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.
15. Do not apply Whip 1EC Herbicide within 5 days (before or after) of a phenoxy herbicide application.
16. Whip 1EC Herbicide may be applied to the following California rice varieties: M-103, M-201, M-202, M-204, M-401, L-202, S-201

AP 22 65033-170
JAN 26 1995

Mr. Victor A. Dorr
Agrevo USA Company
Little Falls Center One
2711 Centerville Road
Wilmington, DE 19808

Dear Mr. Dorr:

Subject: Whip[®] IEC herbicide
EPA Registration No. 45039-176
Application Dated January 16, 1995, Request To
Amend the Supplemental Labeling for Use in Culture
of Rice in California

The proposed amended "Supplemental Label for Use in California
only" has been reviewed and found acceptable under the Federal
Insecticide, Fungicide and Rodenticide Act (FIFRA) provided
that you:

o Submit one (1) copy 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 (7505C)

Enclosure

E. Wilson:Diskette:10001a:01-25-95

BEST AVAILABLE COPY

Revised: January 6, 1995 (Edition #15)

[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.)

EPA REG. NO. 45639-176

EPA EST. NO. 8340-CN-01

NET CONTENTS: 2.5 Gallons

U.S. Patent No. 4,130,413

ACCEPTED
with COMMENTS
In EPA Letter Dated

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

45639-176



A company of Hoechst and NOB-444

AgrEvo™ USA Company

Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

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.

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.

IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING: 800-228-5635, EXT. 202.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather conditions and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo USA Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo USA Company disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AGREVO USA COMPANY'S ELECTION, THE REPLACEMENT OF PRODUCT.

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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, including sorghum and corn, are sensitive to Whip 1EC Herbicide, 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.

13. All

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.

ENVIRONMENTAL INTERACTIONS OF WHIP 1EC HERBICIDE ON RICE:

Whip 1EC Herbicide is absorbed into the rice plant and then metabolized into inactive components over a period of 3 to 5 days. This metabolism process is associated with rice plant growth. Rice plant growth and the metabolism process are increased under sunny conditions, with daily temperatures exceeding 65 °F. If daily average temperatures fall below 65 °F and/or rainy, foggy, cloudy, or inclement weather persists, the growth and metabolism rates of the rice plant are reduced. In such situations, the ability of the rice plant to metabolize the Whip 1EC Herbicide is decreased which could result in injury to the rice plant. To help prevent possible environmental/rice injury interactions, the following precaution should be taken.

1. When the daily average temperature is below 65°F, or is predicted to be below 65 °F for 3 consecutive days, do not apply Whip 1EC Herbicide.

APPLICATION INFORMATION

Grassy crops, such as corn and sorghum, are extremely sensitive and drift onto these grassy crops must be avoided.

- A.) **AIR APPLICATION:** Apply aerially using a minimum of 10 gallons of water per broadcast acre. It is recommended to increase the water gallonage above the aforementioned 10 gallons per broadcast acre minimum when weed populations are high, and/or when the rice and/or weed stage of growth has increased sufficiently to make adequate coverage of the weeds unlikely when applying the minimum suggested gallonage. Thorough and uniform spray coverage of emerged weeds is essential in order to obtain satisfactory control. Such coverage is best 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.