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Hoechst-Roussel Agri-Vet Company

01 JUN 1992



# WHIP<sup>®</sup> 360 HERBICIDE

Hoechst   
Roussel   
Part No 4001

# WHIP<sup>®</sup> 360 HERBICIDE

For the Selective  
Postemergence Control of  
Monocot Annual and  
Perennial Grasses in Rice

**ACTIVE INGREDIENT:**

fenoxaprop ethyl (1-ethyl-  
2-[4-(16-chloro-2-benzoxazolyl)oxy]-  
phenoxy]propanoate

7.70%\*

INERT INGREDIENTS

92.30%\*\*

**TOTAL**

100.00%

\*Fig. is based on 3.77 pound of active ingredient per gallon of  
11.66 gallon petroleum distillate.

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

SEE ADDITIONAL PRECAUTIONARY STATEMENTS AT  
THE BEGINNING OF LABEL

Marketed by  
**Hoechst-Roussel Agri-Vet Company**  
Crop Protection Products  
Somerville, NJ 08876-1258  
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**STATEMENT OF PRACTICAL TREATMENT**

**If Swallowed:** Do not induce vomiting. Call a physician. Gastric lavage should be supervised by trained personnel because of the possible pulmonary damage via aspiration of the solvent. Contains petroleum distillates. If possible, bring the container and labeling to attending physician.

**If on Skin:** Wash with plenty of soap and water.

**If in Eyes:** Flush eyes with plenty of water for 15 minutes. Get medical attention immediately.

**If Inhaled:** Remove victim to fresh air. Apply artificial respiration if necessary.

**For emergency assistance, call (908) 231-4125.**

**STORAGE AND DISPOSAL**

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

Do not store below 100° F or below 10° F.

**Pesticide Disposal**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue 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. They offer for recycling or reconditioning, or puncture and dispose of in a sanitary and approved manner, or, if allowed by state and local authorities, by burning. If burned, stay out of tank.

**For a spill emergency, call Chemtrec at 1-800-424-9300**

EPA REG. NO. 8340-35-54382  
EPA EST. NO. 8340-CN-01  
NET CONTENTS 2.5 GALLONS

Made in Canada  
Printed in Canada  
Part #4002

**Hoechst**   
**Roussel** 

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# WHIP<sup>®</sup> 360 HERBICIDE.

For the Selective  
Postemergence Control of  
Monocot Annual and  
Perennial Grasses in Rice

**ACTIVE INGREDIENT**

1-(4-chlorophenyl)-3-methyl-2-pyridone (92.33%)  
2,2,4-trichloro-1-methylpropane (7.67%)

**INERT INGREDIENTS**

**TOTAL**

92.33%  
92.33%  
100.00%

For use in the control of annual and perennial grasses in rice.  
For more information, contact your local distributor.

**KEEP OUT OF REACH OF CHILDREN  
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SEE ADDITIONAL PRECAUTIONARY STATEMENTS AT  
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**EPA REG. NO. 834  
EPA EST. NO. 834  
NET CONTENTS: 2**

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Crop Protection Products  
Somerville, NJ 08876-1258  
A Hoechst-Roussel Company

## PRECAUTIONARY STATEMENTS

### WARNING

#### Hazards to Humans and Domestic Animals

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear gloves and eye protection while mixing and loading. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

#### Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to a body of water outside of the treated rice field, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate arable land and/or water when disposing of equipment washwaters.

#### Endangered Species Restrictions

The use of Whip® 360 Herbicide on rice is restricted to protect the endangered fat pocketbook pearly mussel (*Potamilus capax*) and its habitat. Use is prohibited in the following areas of Arkansas:

Mississippi County – Within the basin that drains directly into the Right Hand Chute of Little River, south of Big Lake National Wildlife Refuge.

Poinsett County – Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway. Use is also prohibited west of Route 140 and north of Route 63 at the siphon near Marked Tree. The prohibited area does not include the area bounded by Arkansas Highway 373 on the west, Highway 63 on the east, and Highway 14 on the south.

Cross, St. Francis and Lee Counties – Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway as far south as the confluence of L'Angeuille River (Lee County).

For a spill emergency, call Chemtrec at 1-800-424-9300.

## GENERAL INFORMATION

Whip 360 Herbicide is a water emulsion formulation for use in selective postemergence control of annual and perennial 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.

Because many monocot grass crops (such as sorghum and corn) are sensitive to Whip 360 Herbicide, avoid all direct or indirect contact to neighboring fields.

Whip 360 Herbicide does not control broadleaf weeds or sedges.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with the directions on the entire label.

### RICE

Most rice varieties are tolerant to postemergence applications of Whip 360 Herbicide up to the late boot stage of rice development. Always plant high quality seed in order to obtain maximum yield. Postemergence applications may result in temporary rice injury that normally recover from these symptoms in two to four weeks.

Use instructions, particularly water management, must be followed. Water management directions must be followed carefully.

### Application Information

Rice fields should be level and free of large clods to obtain uniform water distribution and uniform flood levels. If necessary, fields may be flushed prior to treatment to obtain sufficient time so that the rice and grass are actively growing at time of application. Avoid applications from the paddy before the Whip 360 Herbicide application.

Rice injury may occur if applications of Whip 360 Herbicide are made during periods of hot or cloudy weather.

Do not apply Whip 360 Herbicide within 14 days following the application of any other herbicide.

**A. Ground Application:** Refer to the Rate and Grass Recommendation Table for application rates. Herbicide should be applied in a minimum of 10 gallons of water per acre. A minimum spray pressure of 40 pounds per square inch is recommended. Use a minimum pressure of 40 pounds per square inch for ground application. Use a minimum spray pressure to 50 pounds per square inch so that thorough spray coverage is obtained.

**B. Air Application:** Apply aerially using a minimum of 10 gallons of water per acre. The application rate of the gallonage to obtain thorough coverage when a dense weed cover is present. Aerial application using aircraft, and is achieved by the use of a spray droplet system that will apply 10 gallons of water per acre with a minimum spray pressure of 40 pounds per square inch. Aerial application provides the most effective swath width for the aircraft, but no lower than 1000 feet. Aerial application provides the most effective swath width for the aircraft, but no lower than 1000 feet.

**DO NOT APPLY by aircraft when wind speeds exceed 8 m.p.h. in open fields.**

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**SPECIAL NOTES FOR AERIAL APPLICATION**

- 1 Thoroughly clean mixing vat and airplane by rinsing with clean water before Whip 360 Herbicide is added.
- 2 It is important to calibrate the spray equipment before applying Whip 360 Herbicide.
- 3 A flow meter is recommended to obtain proper water volume (gpa)

**Timing of Application for:**

**Arkansas, Louisiana, Mississippi, Missouri, and Texas**

When recommended water management practices are followed (see Water Management Section), optimal conditions for controlling grass usually occur when the rice is in the 4-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.

**RATE AND GRASS RECOMMENDATION CHART FOR RICE**

Grass Species	Pints of Whip 360/Acre Relative to Stage of Annual Grass Weeds		> 2 tiller or > 10"
	1-3 leaf or 1-4"	3 leaf - 2 tiller or 4-10"	
Sprangletop ( <i>Leptochloa</i> spp.) Barnyardgrass, watergrass ( <i>Echinochloa crus-galli</i> ) Broadleaf Signalgrass ( <i>Brachiana platyphylla</i> ) Goosegrass ( <i>Eleusine indica</i> ) Jungle Rice ( <i>Echinochloa colonum</i> ) Crabgrass ( <i>Digitaria</i> spp.) Johnsongrass (10-15") ( <i>Sorghum halepense</i> ) Giant Foxtail ( <i>Setaria faberii</i> ) Fall Panicum ( <i>Panicum dichotomiflorum</i> )	0.7 pt/A	0.8 pt/A	1.0 pt/A FOR S U P P R E S S I O N
Red Rice* ( <i>Oryza sativa</i> )	0.9 - 1.2 pts/A	NOT RECOMMENDED	

\* For suppression of red rice, apply Whip 360 Herbicide at 0.9 to 1.2 pts/A when the red rice is in the 4-leaf stage of growth.

**Early Season Applications in Texas**

For early season applications when the daily minimum temperatures are below 60°F, apply Whip 360 Herbicide at 0.7 pint per acre with Basagran® Herbicide at 1.5 pints per acre. The annual grassy weeds should be actively growing and should be no larger than 4 inches high.

**WATER MANAGEMENT - IMPORTANT INSTRUCTIONS**

The following paddy flood program must be used:

**Pre-flood**

- 1 Rice fields must be level. If desirable, fields may be flushed prior to application to allow sufficient time for water to drain from the field before the Whip 360 Herbicide application.
- 2 When to apply the paddy flood:
  - a. When the rice is less than 8 inches in height, do not flood field's before application.
  - b. When the rice is greater than 8 inches in height, the fields can be flooded.
- 3 The water depth (flush or flood) should not exceed 25% of the rice height at application. A deep flood can be applied anytime after 21 days following application.

**Post-Flood**

- 1 The rice should have at least 1 tiller before making a post-flood application.
- 2 Water levels at the time of application should cover no more than 25% of the rice height.
- 3 Reflood to a normal depth 2 to 3 days after the application.
- 4 Whip 360 Herbicide will provide only suppression of annual grassy weeds and not control of growth.

**CONTROL OF OTHER WEEDS**

**Tank Mix Recommendations for Rice**

Sequential applications may be necessary if the growth stage of the grassy weeds is beyond the label recommendations at the same time. When making sequential applications with Whip 360 Herbicide, Bolero® Herbicide, or Prowl® 4E Herbicide, wait 6 days before making a second application. After flood applications, a new flush of broadleaf and grassy weeds may occur. Before the field receives permanent flood 5 to 7 days later, therefore, do not make a second application of Whip 360 Herbicide within 14 days of the first application.

**Tank Mix with Basagran Herbicide**

The Whip 360 Herbicide rates for tank mixes with Basagran Herbicide are 0.7 pints per acre for 1 to 3 leaf (1 to 4 inches) and 1.2 pints per acre when the annual grassy weeds are 4 to 10 inches high.

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not tank mix Whip 360 Herbicide and Basagran Herbicide when the annual grassy weeds have developed more than 1 tiller or if the weeds are under drought stress. Sequential applications may be necessary if the growth stage of the grasses and broadleaf weeds are not within the tank mix label recommendations at the same time.

#### Tank Mix with Bolero Herbicide

A tank mix of Whip 360 Herbicide and Bolero Herbicide can be used for the control of annual grass and aquatic weed species. Apply 0.8 pint per acre of Whip 360 Herbicide plus 2 to 3 pints per acre of Bolero Herbicide. Do not apply this tank mixture when annual grassy weeds have developed more than 1 tiller or if the weeds are drought stressed. Do not apply to stressed rice.

#### Tank Mix with Prowl 4E Herbicide

Use a tank mix of Whip 360 Herbicide and Prowl 4E Herbicide for postemergence and residual control of annual grass species listed on the Whip 360 Herbicide label. Apply 0.8 to 1.2 pints per acre of Whip 360 Herbicide plus 1.5 to 2.0 pints per acre of Prowl 4E Herbicide. Do not apply this tank mixture when annual grassy weeds have developed more than 1 tiller or if the weeds are drought stressed.

#### Mixing Instructions

Fill the spray tank half full with water while the agitator is running. Add the recommended amount of Whip 360 Herbicide followed by the appropriate amount of the tank mix component. Then add the remaining amount of water.

#### USE PRECAUTIONS 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 360 Herbicide per growing season, and do not apply more than 2.1 pints per acre per growing season.
4. DO NOT make a second application of Whip 360 Herbicide within 14 days of the first application.
5. Whip 360 Herbicide should be applied only from the 4-leaf stage to the late tillering stage of the rice development. DO NOT apply after panicle initiation.
6. ALWAYS clean spray system thoroughly with clean water before and after any pesticide application.
7. DO NOT graze or feed rice straw to livestock.
8. DO NOT plant any rotational crop in a Whip 360 Herbicide treated field for 30 days after application.
9. DO NOT apply Whip 360 Herbicide in areas where catfish and crayfish are commercially cultured.
10. DO NOT use rice irrigation water to irrigate crops not registered for use with Whip 360 Herbicide within 14 days of the last application of this product.

11. DO NOT apply Whip 360 Herbicide within 65 days of harvesting rice.
12. DO NOT apply Whip 360 Herbicide within 14 days following the activation of a herbicide.
13. Applications of Whip 360 Herbicide to grasses under drought stress may result in rice injury.
14. DO NOT tank mix Whip 360 Herbicide with Blazer Herbicide, Propanil Herbicide, or liquid fertilizers.
15. DO NOT apply Whip 360 Herbicide within 7 days following a Furadan application.
16. DO NOT use on the following rice varieties: Mars, Leah, Mercury, Texmati or varieties derived therefrom. Injury may occur.
17. Whip 360 Herbicide can be applied to the following rice varieties: Newbonnet, Gulfmont, Rexmont, Labelle, Starbonnet, L-201, Newrex, and CB-801.

#### IMPORTANT NOTICE: DISCLAIMER

Read "IMPORTANT NOTICE: DISCLAIMER" before buying or using. If terms are not on the label, HOECHST-ROUSSEL AGRI-VET COMPANY warrants only that the product conforms to the label and is reasonably fit for the purpose stated on the label when used in accordance with the label conditions, or under conditions not reasonably foreseeable to HOECHST-ROUSSEL AGRI-VET COMPANY. HOECHST-ROUSSEL AGRI-VET COMPANY assumes the risk of any such use. HOECHST-ROUSSEL AGRI-VET COMPANY EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, MERCHANTABILITY, OR SPECIAL, INDIRECT OR INCIDENTAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Any warranty can be varied only by an agreement in writing signed by a duly authorized representative of HOECHST-ROUSSEL AGRI-VET COMPANY.

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