



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

JAN 25 1994

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P. O. Box 400
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**OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES**

**Subject: Label Amendment Submission of 09/02/93 in Response to PR Notice 93-7
EPA Reg. No. 241-330
CHOPPER BASAL & CUT SURFACE HERBICIDE RTU**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling
- AND**
- **WITHIN** one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCanada Ink on paper that
contains at least 50% recycled fiber

CHOPPER® Basal and cut surface herbicide RTU

ACTIVE INGREDIENT:

Isopropylamine salt of imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)*..... 3.6%

INERT INGREDIENTS.....96.4%

TOTAL.....100.0%

*Equivalent to 3.0% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid or 0.255 pounds acid per gallon.

EPA Reg. No. 241-330

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush with plenty of water.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 25 1994

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

241-330

In case of an emergency endangering life or property involving this product, call collect, day or night, Area Code 201-835-3100.

See next page for Additional Precautionary Statements

Net Contents:

AMERICAN CYANAMID COMPANY
AGRICULTURAL PRODUCTS DIVISION
VEGETATION AND PEST CONTROL
WAYNE, NJ 07470 ©1993

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

CAUTION!

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C 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, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils
- shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. DO NOT contaminate water when disposing of equipment washwaters.

PHYSICAL AND CHEMICAL HAZARDS

COMBUSTIBLE! DO NOT use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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.

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 interval. 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 12 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, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils
- shoes plus socks

Observe all cautions and limitations on this label. This labeling must be in the possession of the user at time of pesticide application. DO NOT apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

- STORAGE:** Shake before using if product has been stored below 0°F.
- PROHIBITIONS:** DO NOT contaminate water, food or feed by storage or disposal.
- PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by State and Local authorities by burning. If burned, stay out of smoke.

DISCLAIMER

The label instructions for use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions of use, subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values of any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including other express or implied warranty of FITNESS or of MERCHANTABILITY.

IMPORTANT

DO NOT use on food or feed crops. DO NOT treat irrigation ditches or water used for crop irrigation or domestic purposes. DO NOT apply where runoff water may flow onto agricultural land as injury to crops may result. Keep from contact with fertilizers, insecticides, fungicides, desirable vegetation and seeds. DO NOT apply or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT use on lawns, walks, driveways, tennis courts, or similar areas. DO NOT use in California.

Thoroughly clean application equipment after use. Flush tank, pump, hoses and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

GENERAL INFORMATION

CHOPPER RTU herbicide controls several woody species as a ready-to-use product when applied as a basal or cut stump treatment. With proper application CHOPPER RTU can prevent the resprouting of cut trees in forests, utility areas, fence rows, roadsides, railroads, pipelines, wildlife management areas, and other noncrop areas.

CHOPPER RTU herbicide is readily absorbed through bark and roots and is translocated rapidly throughout the plant. With dormant applications, leaf-out is often prevented and dieback occurs as the plant depletes its energy stores.

BASAL BARK TREATMENTS

To control unwanted woody species with stems less than 4 inches DBH (tree diameter at breast height), apply undiluted CHOPPER RTU to the lower 12-18 inches of the plant stem. Apply with a backpack type sprayer or power spraying equipment using low pressure at the spray nozzle. Spray the basal parts of brush and tree stems thoroughly wetting the indicated area. To insure control with stems larger than 4 inches DBH, use cut stump treatments. To obtain maximum performance, apply CHOPPER RTU during late summer, fall and winter months. Reduced efficacy may occur with applications during sap rise or leaf expansion. DO NOT over apply causing dripping or puddling. DO NOT spray onto wet bark. DO NOT spray when snow or ice interfere with the interception of CHOPPER RTU at the root collar or bark area. DO NOT spray when rainfall is imminent within 4 hours of application.

CUT STUMP TREATMENTS

Spray or brush the CHOPPER RTU undiluted solution onto the cambium area of the freshly cut stump surface. Insure that the CHOPPER RTU solution thoroughly wets the cambium area, the wood next to the bark of stump. DO NOT over apply causing puddling. DO NOT spray when rainfall is imminent within 4 hours of application.

BRUSH SPECIES CONTROLLED

CHOPPER RTU herbicide will control the following brush species:

Ash (Fraxinus spp.)
 Aspen (Populus spp.)
 Autumn Olive (Elaeagnus umbellata)
 Bigleaf Maple (Acer macrophyllum)
 Black Cherry (Prunus serotina)
 Boxelder (Acer negundo)
 Cottonwood (Populus spp.)
 Hickory (Carya spp.)
 Laurel Oak (Quercus laurifolia)
 Live Oak (Quercus virginiana)
 Maple (Acer spp.)

- Multiflora rose (Rosa multiflora)
- Persimmon (Diospyros virginiana)
- Red Alder (Alnus rubra)
- Red Oak (Quercus rubra)
- Russian Olive (Elaeagnus angustifolia)
- Saltcedar (Tamarix ramosissima)
- Sassafras (Sassafras albidum)
- Sumac (Rhus spp.)
- Sweet gum (Liquidambar styraciflua)
- Tulip Poplar (Liriodendron tulipifera)
- Turkey Oak (Quercus laevis)
- Water Oak (Quercus nigra)
- White Oak (Quercus alba)
- Willow (Salix spp.)

Untreated trees may occasionally be affected by root uptake of herbicide from the soil or by way of adventitious roots or grafted root systems. If such injury cannot be tolerated, do not use CHOPPER RTU in the area of concern.