

PM 23

228-346

11-12-98

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
228-346

Date of Issuance:  
NOV 12 1998

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Millennium Ultra 8000  
Lawn Weed Killer

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Riverdale Chemical Company  
425 West 194th Street  
Glenwood, IL 60425-1584

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, in his/her discretion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes [Note: Changes listed apply to both the Non-Commercial and Commercial Label]:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 228-346".
- b. Under the subheading entitled "HAZARDS TO HUMANS AND DOMESTIC ANIMALS," please incorporate the following statement: "Harmful if swallowed."

In addition, under the same subheading referenced above, revise the protective clothing statement to include "rubber gloves."

Signature of Approving Official:

Date:

NOV 12 1998

ART MARD

- c. Under the subheading entitled "HAZARDS TO HUMANS AND DOMESTIC ANIMALS," please incorporate the following additional hygiene statement:

"Remove saturated clothing as soon as possible and shower."

- d. Under the heading entitled "PRECAUTIONARY STATEMENTS," please incorporate the heading "Statement Of Practical Treatment" or "First Aid" directly below the Hazards & Domestic Animals statement in a separate section.

- e. Under the heading entitled Statement Of Practical Treatment or First Aid, please incorporate one of the following oral statements:

"IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting."

-OR-

"IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting."

- 5. Submit, within 90 days of the date of this letter, product chemistry data requirements of GRNs 830-6314, 830-6319, and 830-6310 pertaining to Oxidation/Reduction, Miscibility, and Corrosion Characteristics, respectively.

- 6. Submit two (2) copies of the revised final printed label for the record.

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

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

Joanne I. Miller  
Product Manger (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure



(Side Panels)

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

Wear long pants, long-sleeved shirt, socks and shoes, when applying this product. After using this product, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. The maximum number of broadcast applications per treatment site is 2 per year. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

If this container is over one gallon and less than five gallons, then persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. If this container is five gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and 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. Do not contaminate water when disposing of equipment washwaters.

Most cases of groundwater contamination involving herbicides such as 2,4-D and Clopyralid have been associated with mixing/loading and disposal sites. Additionally, using Clopyralid where soils are permeable, particularly where the water table is shallow, may also result in leaching to groundwater. Caution should be exercised when handling this product at mixing, loading and disposal sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

MILLENNIUM® ULTRA 8000 LAWN WEED KILLER is for use on Ornamental Turf such as Lawns, Golf Courses (Fairways, Aprons, Tees\* and Roughs), Parks, Cemeteries and similar non-crop areas. \*Excluding Bentgrass Tees.

**USE PRECAUTIONS**

Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near desirable plants. Do not use on Centipede, St. Augustine, Dichondra, nor on lawns or turf where desirable clovers are present. Avoid fine mists. Use lawn type sprayer with coarse spray as wind drift is less likely. Avoid contact with exposed feeder roots of ornamentals and trees. Maximum killing (control) of weeds will be obtained from Spring or early Fall applications when weeds are actively growing. Do not exceed specified dosages for any area; be particularly careful within the dripline of tree and other ornamental species. Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 90°F.

The suitable use of Millennium® Ultra 8000 Lawn Weed Killer on non-recommended turf species may be determined by treating a small area at any rate per square feet which does not exceed 3 pints per 15,000 square feet. The treated area should be observed for any sign of turf injury for a period of 30 days of normal growing conditions to determine the phytotoxicity and efficacy to the treated area.

For optimum results: (1) avoid applying during excessively dry or hot periods unless irrigation is used; (2) avoid applying if rainfall is expected within 24 hours, nor should lawns be irrigated (watered) for 24 hours following application. If lawn needs watering, water thoroughly before application. (3) turf should not be mowed 1 to 2 days before and following application; (4) reseed no sooner than 3 to 4 weeks after application of this product. Adding oil, wetting agent, or other surfactant to the spray may be used to increase effectiveness on weeds but doing so may reduce selectivity to turf resulting in turf damage. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other sprays.

#### WEEDS CONTROLLED BY MILLENNIUM® ULTRA 8000 LAWN WEED KILLER

Alder, Alfalfa, Artichoke, Aster, Austrian fieldcress, Beggartick, Bidden, Bindweed, Bitter wintercress, Bitterweed, Black medic, Blackeyed Susan, Blessed thistle, Blue lettuce, Box elder, Broomweed, Buckbrush, Buckhorn, Buffalobur, Bull thistle, Bur ragweed, Burdock, Burhead, Buttercup, Canada thistle, Carpetweed, Catnip, Chamise, Cherokee rose, Chickweed, Chicory, Cinquefoil, Clover, Coastal redstem sage, Cockle, Cocklebur, Coffee bean, Coffeeweed, Common groundsel, Common sowthistle, Common sunflower, Cornflower (bachelor button), Corn speedwell, Coyotebrush, Creeping jenny, Croton, Curly Indigo, Dandelion, Devil's claw, Dock, Dogbane, Dogfennel, Elderberry, English daisy, False Chamomile (scentless), Fanweed, Fiddle neck, Flea bane (daisy), Flixweed, Florida pusley, Frenchweed, Galinsoga, Goatsbeard, Goldenrod, Goosefoot, Ground ivy, Gumweed, Halogeton, Hawkweed, Healall, Heartleaf drymary, Hemp, Henbit, Hoary cress, Honeysuckle, Horestail, Horseweed, Indiana mallow, Indigo, Ironweed, Jerusalem artichoke, Jewelweed, Jimsonweed, Klamathweed, Knapweed (diffuse, Russian, & spotted), Knawel, Knotweed, Kochia, Ladysthumb, Lambsquarter, Lespedeza, Little starwort, Locoweed, Lupine, Mallow, Many flowered aster, Manzanita, Marijuana, Marshelder, Matchweed, Meadow salsify (goatsbeard), Mexican weed, Milkvetch, Morningglory, Musk thistle, Mustard, Narrowleaf hawksbeard, Nettle, Nightshade (cutleaf & hairy), Orange hawkweed, Oxalis (stricta and corniculata), Parrotfeather, Parsley-piert, Parsnip, Pennycress, Pennywort, Peppergrass, Pepperweed, Pigweed, Pineappleweed, Pinnate tansymustard, Plantain, Poison hemlock, Poison ivy, Poison oak, Pokeweed, Poorjoe, Povertyweed, Prickly lettuce, Primrose, Puncture vine, Purslane, Rabbitbrush, Ragweed, Red clover, Red sorrel, Redroot pigweed, Redstem, Rush, Russian thistle, Salsify, Sheep sorrel, Shepherdspurse, Sicklepod, Smartweed, Sneezeweed, Southern wild rose, Sowthistle, Spanishneedle, Spatterdock, Speedwell, Spiderwort, Spurge, Spotted catsear, Spurweed, St. Johnswort, Starthistle, Stinging nettle, Stinkweed, Stitchwort, Tumulac, Sunflower, Sweet clover, Tansymustard, Tansyragwort, Tarweed, Texas blueweed, Thistle, Toadflax, Tumbleweed, Velvetleaf, Veronica, Vervain, Vetch, Virginia creeper, White clover, Wild aster, Wild buckwheat, Wild carrot, Wild garlic, Wild geranium, Wild lettuce, Wild parsnip, Wild radish, Wild rape, Wild strawberry, Wild sweet potato, Wild violet, Witchweed, Wormseed, Wormwood, Woodsorrell, Yarrow, Yellow rocket, Yellow starthistle, and other broadleaf weeds.

Some hard-to-kill (control) weeds may require a second broadcast application or repeated spot applications even under ideal conditions for application.

#### ORNAMENTAL TURF

Apply Millennium Ultra 8000 Lawn Weed Killer at the rate of 2 pints in 4 to 50 gallons of water per 8,000 square feet (4 fluid ounces in 1/2 to 5 gallons of water per 1,000 square feet) to control weeds growing in turf planted to Bluegrass, Fescue, Ryegrass, Bent (excluding golf course greens and tees), Bahia, Bermuda and Zoysia.

**STORAGE AND DISPOSAL**

**STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizers, seeds, or other pesticides. Store at temperatures above 32°F. If allowed to freeze, remix before using. This does not alter this product. Containers should be opened in well ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater. 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:** Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**NOTICE:** Buyer assumes all risks of use, storage and handling of this product not in strict accordance with directions given herewith. (ERP 061594) (PR938 042194)

80411

(Non-Commercial)

RIVERDALE

MILLENNIUM® ULTRA 8000 LAWN WEED KILLER

FOR SELECTIVE BROADLEAF WEED CONTROL  
IN ORNAMENTAL LAWNS AND TURF GRASSES

CONTAINS 2,4-D, CLOPYRALID AND DICAMBA

KILLS (OR CONTROLS): Dandelion, Chickweed, Black medic, Knotweed, Plantain, Oxalis,  
Clover, Cocklebur, Thistle and many other species of  
broadleaf weeds; some of which are listed on this label.  
One quart covers 8,000 sq. ft.

ACTIVE INGREDIENTS:†

Dimethylamine Salt of 2,4-D*	8.36%
Monoethanolamine Salt of Clopyralid**	1.14%
Dimethylamine Salt of Dicamba***	1.04%
INERT INGREDIENTS:	89.46%
TOTAL	100.00%

By Isomer Specific AOAC Method, Equivalent to:

*2,4-D Acid	6.94%, 0.598 lbs./gal.
**Clopyralid Acid	0.86%, 0.074 lbs./gal.
***Dicamba Acid	0.86%, 0.074 lbs./gal.

†Millennium® - Is A Registered Trademark of Riverdale Chemical Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND  
STATEMENT OF PRACTICAL TREATMENT

EPA REG. NO. 228-GUA

NET CONTENTS

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

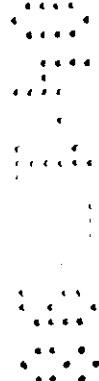
GLENWOOD, ILLINOIS 60425-1514

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

NOV 12 1998

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

228-346





(Side Panels)

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Disposable Sprayer and Bottle Instructions: Determine area to be sprayed. Apply at a rate of 32 oz. (1 quart) per 8,000 square feet. Remove bottle cap and screw bottle into nozzle. Connect spray nozzle to hose while holding sprayer at waist level, point in direction away from face and body. Turn on the water at the tap. Place finger over hole on right side of nozzle (or turn on/off lever to the "ON" position) and the Lawn Weed Killer will mix automatically at the proper ratio. Walk back and forth at steady pace.

2,000 Sq. Ft.

4,000 Sq. Ft. (Optional marks on left for 1 quart disposable bottle. Not to scale.)

