

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM-23

Reg # 228-169

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Mr. Russell F. Sawyer
 Riverdale Chemical Company
 425 West 194th Street
 Glenwood, Illinois 60425-1584

MAY 18 1995

Dear Mr. Sawyer:

SUBJECT: Label Amendment
Riverdale 81 Selective Weedkiller
EPA Registration No. 228-169
Your Submission Dated March 23, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided you make the following changes:

1. You must correct the spelling of the word "entiende" in the Spanish language warning statement.
2. You must move the statement, "Do not contaminate water, food or feed by storage or disposal.", from its current position in the Storage instructions to a position immediately after the Storage and Disposal heading, since this statement applies to pesticide storage, as well as pesticide and container disposal.
3. You must revise the first sentence of the Hazards to Humans and Domestic Animals section to read as follows:
 "Corrosive, causes irreversible eye damage and skin irritation."
4. The ocular statement of practical treatment is acceptable. However, you must revise the statements for the oral and dermal routes of exposure and add a statement for the inhalation exposure route. The revised Statement of Practical Treatment section should read as follows:

IF IN EYES: Immediately flush eyes with plenty of water for 15 minutes and get medical attention at once.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

RD:STANTON:PM Team 23:Rm. 235:305-5218:Disk #1:S484729.I.ET

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	S. Stanton							
DATE ▶	May 17, 1995							

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

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

The revision to the oral exposure statement is required, because the product is in Toxicity category I for eye irritation. The dermal exposure statement is required for products in Toxicity category II for skin irritation. The inhalation exposure statement is appropriate for products in Toxicity category III, based on acute inhalation toxicity.

A stamped copy is enclosed for your records. Please submit (one) final printed copy of the above mentioned label before releasing the product for shipment.

Sincerely yours,

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

Enclosure

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(Commercial Label)

ACCEPTED
with COMMENTS
In EPA Letter Dated

395
✓

MAY 18 1995

RIVERDALE

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

81 SELECTIVE WEEDKILLER

228-169

FOR PROFESSIONAL TURF MAINTENANCE

Contains 3.06 pounds 2,4-D and 0.4 pounds Dicamba per gallon

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	39.21%
Dimethylamine Salt of Dicamba (3,6-dichloro-o-anisic Acid)**	5.12%
Dimethylamine Salts of related Acids	1.28%
INERT INGREDIENTS:	<u>54.39%</u>
TOTAL	100.00%

Isomer Specific AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	32.58%, 3.06 lbs./gal.
**3,6-dichloro-o-anisic Acid	4.26%, 0.40 lbs./gal.

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que
se la explique a usted en detalle.

See Side Panel for Additional Precautionary Statements
And Statement Of Practical Treatment

EPA REG. NO. 228-169

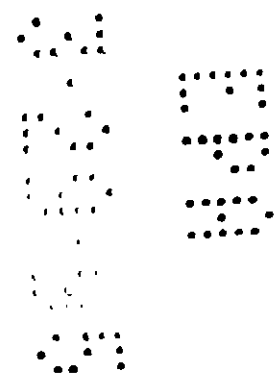
NET WEIGHT GALS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584



NOTE: Spanish language is optional.

(Side Panels)

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****DANGER - PELIGRO**

Corrosive, causes eye damage. Do not get in eyes, or on skin or clothing. Harmful if swallowed or inhaled. Avoid inhalation of spray mists. When using this product wear long-sleeved shirt, long pants, socks, shoes, chemical resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower. 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 1 gallon and less than 5 gallons, the persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron. If this container is 5 gallons or more in capacity, then a mechanical system (probe and pump) 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.

STATEMENT OF PRACTICAL TREATMENT

- IF IN EYES:** Immediately flush eyes with plenty of water for 15 minutes and get medical attention at once.
- IF SWALLOWED:** Drink one or two glasses of water. Induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention immediately.
- IF ON SKIN:** Wash promptly with soap and water and rinse thoroughly.

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. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D, have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such 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 the 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.

Riverdale 81 Selective Weed Killer is for use on Lawns, Turf, Golf Fairways, Aprons, Tees and Rough. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

The following weeds will be controlled by Riverdale 81 Selective Weed Killer: Burdock, Canada thistle, Chickweed (Mouseear: common and stitchwort), Chicory, Clovers, Dandelions, Docks, Dog fennel, English daisy, Frenchweed, Ground ivy, Hawkweed, Healall, Henbit, Jimsonweed, Knotweed (erect and prostrate), Lambsquarters, Mallow, Morningglory, Mustard, Oxalis, Pennywort, Peppergrass, Pigweed, Plantain (Buckhorn, Broadleaf, Rugel's), Poison ivy, Poison oak, Purslane, Ragweed, Sheep sorrel, Smartweed, Spotted spurge, Wild aster,

Wild carrot, Wild garlic, Wild onion, Wild radish, Wood sorrel, Yarrow, and many other broadleaf weeds.

USE PRECAUTIONS

CARE MUST BE TAKEN TO AVOID DRIFT OF SPRAY MISTS TO NON-TARGET susceptible plants such as cotton, vegetables, flowers, ornamentals, shrubs, trees, and other desirable plants. Do not spray near these plants. Do not apply on or near desirable trees or plants or in locations where chemicals may be washed or moved in contact with their roots. Do not spray roots of desirable trees and plants. Do not spray on carpetgrass, dichondra, nor on grasses where desirable clovers are present. Except as noted, use a lawn type sprayer with coarse spray as wind drift is less likely. Avoid fine mists. Use the higher rate for hard-to-kill weeds. Do not exceed specified application dosages for any area. Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 90°F. Avoid applying during excessively dry or hot periods unless irrigation is used. For optimum results, (1) turf should not be mowed 1 to 2 days before and following application; (2) Do not apply if rainfall is expected within 48 hours; nor should lawns be irrigated (watered) for 48 hours following application. 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. Failure to observe the above precautions may result in turf injury.

ORNAMENTAL LAWNS AND TURF

Apply as a foliar spray when weeds are young and actively growing. It may be necessary to make a second application (Spring and Fall) to kill certain hard-to-kill weeds such as Poison ivy, Poison oak, and English daisy. Weeds that start growing in the Fall, such as Henbit, may be controlled more effectively with a Fall application.

Apply Riverdale 81 Selective Weed Killer at a rate of 1-1/2 to 2 quarts per acre in 40 to 100 gallons of water; for smaller areas, use 1 to 1.4 fluid ounces in 1 to 2 gallons of water per 1,000 square feet.

STORAGE AND DISPOSAL

STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. 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 area. 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 ground water. 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). 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, if allowed by State and local authorities by burning. If burned, stay out of smoke.

WARRANTY

Riverdale warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purposes. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals, and factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

(ERP 061594) (PR938&11 042194/RV 021694)