



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

Russell F. Sawyer  
RIVERDALE CHEMICAL CO.  
425 West 194th Street  
Glenwood, IL 60425

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

SUBJECT: Label Amendment Submission of 08/17/93 in Response to PR Notice 93-7  
EPA Reg. No. 228-191  
RIVERDALE 2 MCPP + 2D AMINE TURF HERBICIDE

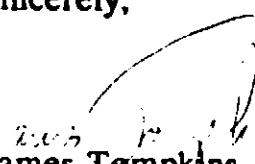
Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, successfully **REMOVES THE PRODUCT FROM THE SCOPE** of PR Notice 93-7 once the comments (if any) on the attached sheet are addressed. Other than the alterations (if any) listed on the attached sheet, no further alterations to the labeling are necessary to reflect the requirements of the Worker Protection Standard.

Since your amendment proposes to delete uses directly and/or to delete uses implicitly through the use of exclusionary statements, the Agency will publish in the Federal Register a notice of receipt of your amendment to delete uses, as required by section 6(f)(1) of FIFRA. The Agency will defer action for 90 days from the date of the Federal Register notice to give affected minor users an opportunity to try to persuade you to retain the uses(s). When the comment period has expired, the Agency will approve the amendment unless you have withdrawn it, and stamp the amended labeling "accepted." Your stamped-accepted labeling will then be sent to you.

As described in Supplement A of PR Notice 93-11 (self-verification option), you may sell and distribute product bearing the submitted labeling before you receive a copy of your stamped-accepted labeling. Note that your registration is not amended until the comment period required by section 6(f)(1) of FIFRA has expired and the Agency has approved the amendment. Therefore, you may withdraw your proposed amendment at any time during the comment period and until you receive your stamped-accepted labeling.

Sincerely,

  
James Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Enclosures



Recycled/Recyclable  
Printed with Soy/Canola ink on paper that  
contains at least 50% recycled fiber

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

Russell F Sawyer  
RIVERDALE CHEMICAL CO  
425 WEST 194TH ST.  
GLENWOOD IL 60425

Subject: Label Amendment Submission of 08/17/93  
in Compliance with the PR Notice 93-7  
EPA Reg Nr. 228-191  
RIVERDALE 2 MCPP + 2D AMINE TURF HERBICIDE

Modify the exclusionary statement to conform to the EPA-  
approved language specified in PRN 93-11.

(Commercial Label)

RIVERDALE

2 MCPP + 2 D AMINE  
TURF HERBICIDE

A SELECTIVE HERBICIDE TO CONTROL BROADLEAF WEEDS

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2-(2-Methyl-4-Chlorophenoxy)propionic Acid\* ..... 24.2%

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid\*\* ..... 24.5%

INERT INGREDIENTS: ..... 51.3%

TOTAL ..... 100.0%

Isomer specific AOAC Method, Equivalent to:

\*2-(2-Methyl-4-Chlorophenoxy)propionic Acid ..... 20.0%, 1.8 lbs./gal.

\*\*2,4-Dichlorophenoxyacetic Acid ..... 20.4%, 1.9 lbs./gal.

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**  
**SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS**  
**AND STATEMENT OF PRACTICAL TREATMENT**

NET CONTENTS GAL.

EPA REG. NO. 228-191

EPA EST. NO. 228-IL-1

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No  
228-191

(Inside Booklet)

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**DANGER**  
Corrosive, may cause irreversible eye damage. Do not get in eyes, or on skin or clothing. Harmful if swallowed or inhaled. Avoid inhalation of spray mists. Wear face shield or goggles, long pants, long-sleeved shirt, socks, shoes and chemical resistant gloves when mixing, loading or applying this product. After using this product, rinse clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with



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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 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, 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.

Please see additional Precautionary Statements in Directions For Use instructions ~~under Sod-Farm Applications.~~

#### 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 or 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. When cleaning equipment, do not pour washwaters on the ground; spray or drain over a large area away from wells and other water sources. 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 MCPP and 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these phenoxy 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.

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**ADDITIONAL PRECAUTIONS FOR SOD FARM APPLICATIONS**

When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required. Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands, face and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. There aren't any restrictions on the annual maximum number of broadcast applications for Sod Farm. Do not enter or allow worker entry into treated areas during the restricted-entry interval of 48 hours.

**GENERAL INFORMATION**

2 MCPP + 2D Amine is a post-emergence herbicide especially formulated for use on turfgrass for selective control of many broadleaf weeds commonly growing in lawns without injury to desirable grasses. This product may be used on such types of turf as Merion, Kentucky bluegrass, Bermudagrass, fescues and rye grasses. Apply in Spring or Fall when weeds are actively growing.

**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 spray on buffalo, carpetgrass, dichondra, St. Augustine, nor on grasses where desirable clovers are present. This product has been used successfully on bentgrass; however, it should not be used unless prior tests have shown it to be non-damaging under the particular conditions of use. To eradicate broadleaf weeds, it is better to use another selective herbicide for fine lawn grasses. Use a lawn type sprayer with coarse spray as wind drift is less likely. Avoid fine mists. Do not spray exposed roots of desirable plants. 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.

**WEEDS CONTROLLED BY 2 MCPP + 2D AMINE**

The following is a partial list of weeds controlled:

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Buckhorn	Lambsquarters	Red clover
Clover	Mallow	*Red sorrel
Common chickweed	Mouseear chickweed	Stitchwort
Curley dock	Morningglory	*Speedwell
*Dandelion	Pigweed	White clover
*English daisy	Plantain	*Wild garlic
Ground ivy	Purslane	*Wild onion
Knotweed	Ragweed	Yarrow

\*Use high rate on chart for weeds marked with an asterisk (\*) in the above list.

Knotweed is controlled more easily in Spring or early Summer when weeds are young.

NOTE: MCPP acts more slowly than 2,4-D so that some weeds will be controlled before others. Allow 3 to 4 weeks for complete weed control action to occur.

<u>Amount to Apply</u>	<u>Per 1,000 Sq. Ft.</u>	<u>Per Acre</u>
Low rate	2 fl. ozs.	2½ qts.
High rate	2 ½ fl. oz.	3 qts.

**PREPARATION OF THE SPRAY:** This product must be mixed with water prior to use. For best results use 2 to 4 gallons of water per 1,000 sq. ft. for smaller areas; 20 to 40 gallons of water per acre for larger areas. Apply by means of a sprayer to give uniform coverage. Repeat applications may be necessary especially with heavy infestations of the less susceptible weeds indicated with an asterisk in above list. 2 days before or after application, it is wise to properly fertilize the lawn so as to encourage the lawn to heal as rapidly as possible, filling in the bare areas where the weeds have died away. Once the weeds have been removed, the bare areas should be reseeded.

**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

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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.

#### 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 042194)