

PM 23

228-337

12-23-98

10/11

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

DEC 23 1998

Dear Mr. Sawyer:

Subject: Label Revision Amendment - Revise Precautionary
Statements
XRM-5202 Premium Lawn Weed Killer
EPA Registration No. 228-337
Your correspondence dated October 30, 1998

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

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling [Note: Changes listed apply to both the Non-Commercial Label and Commercial Label]:
 - a. On page 2, under the heading entitled "ENVIRONMENTAL HAZARDS" in the ground water advisory statement, there is a typographical error in the second sentence of the paragraph. Please delete the comma and close the sentence with a period.
2. Please submit one (1) final printed copy for the referenced label, incorporating the above change, before releasing the product for shipment.

If you have any concerns or questions regarding this letter, please call Marcel Howard at (703)305-6784.

A stamped copy is enclosed for your records.

Sincerely yours,

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

Enclosure

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	MHoward							
DATE ▶	Dec 11, 1998							

RIVERDALE

XRM-5202 PREMIUM LAWN WEED KILLER

FOR SELECTIVE BROADLEAF WEED CONTROL IN
ORNAMENTAL LAWNS AND TURF GRASSES
And Other Listed Sites

For Both Northern and Southern Grasses
Kills (or Controls) Weeds - Not lawn grasses

CONTAINS 2,4-D, TRICLOPYR, AND CLOPYRALID
One Quart Covers Up to 10,000 Square Feet
(See Directions for Different Grasses.)

ACTIVE INGREDIENTS:

Triisopropanolamine Salt of 2,4-D*	14.19%
Triethylamine Salt of Triclopyr**	1.06%
Clopyralid***	0.36%
INERT INGREDIENTS	84.39%
TOTAL	100.00%

By Isomer Specific AOAC Method, Equivalent to:

*2,4-D	7.61%, 0.660 lbs./gal.
**Triclopyr	0.76%, 0.066 lbs./gal.
***Clopyralid	0.36%, 0.031 lbs./gal.

KEEP OUT OF REACH OF CHILDREN

CAUTION

**SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT²**

EPA REG. NO. 228-337

NET CONTENTS

GALS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY
GLENWOOD, ILLINOIS 60425-1584

ACCEPTED
with COMMENTS
In EPA Letter Dated

DEC 23 1998

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

228-337



(Side Panels)

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

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

When using this product, wear long-sleeved shirt, long pants, socks, shoes, and rubber gloves. 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. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried. The maximum number of broadcast applications per treatment site is 2 per year.

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.

STATEMENT OF PRACTICAL TREATMENT

- 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.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if symptoms persist.
- IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

ENVIRONMENTAL HAZARDS

Drift or runoff may adversely affect 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.

Most cases of ground water 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.**

XRM-5202 PREMIUM LAWN WEED KILLER is a broad-spectrum herbicide for control of actively growing annual and perennial broadleaf weeds. It is for use on established Ornamental Turf such as Lawns, Parks, Cemeteries, Roadsides, Golf Courses (Fairways, Aprons, and Roughs), and similar non-crop areas. Do not use on Golf Greens nor Tees.

XRM-5202 may be applied to the following established turfgrass species:

Established Turfgrasses (Common Names)

Northern Grasses (Cool Season)

bentgrass†
bluegrass, Kentucky
fescue, chewing
fescue, creeping red
fescue, sheeps
fescue, tall
ryegrass, perennial

Southern Grasses†† (Warm Season††)

bahiagrass†
bermudagrass†
buffalograss
centipedegrass†
zoysiagrass†
zoysiagrass†
fescue, tall (growing in
warm season areas)

†Do not apply to these turfgrass species unless potential turfgrass injury can be tolerated. Also, when treating these turfgrass species, do not apply more than 4 ozs. per 1000 sq. ft. To minimize grass injury, a second application should be made at least four weeks later. Avoid swath overlaps.

††Do not treat warm season turfgrass with XRM-5202 Premium Lawn Weed Killer when mowing height is less than 1/2 inch.

Note: XRM-5202 Premium Lawn Weed Killer may discolor and/or stunt turf that is not well-established or is stressed or weakened due to unfavorable climatic conditions, temperature extremes, drought, nematodes, or other factors which damage or weaken turf. Apply this product only to healthy, well-established turf that has a well-anchored root system. Do not apply this product to grass species not listed on this label unless potential turf injury can be tolerated.

USE PRECAUTIONS

Do not apply this product directly to, or otherwise permit drift or spray mist to come into contact with cotton, citrus, grapes, tobacco, vegetables, flowers, ornamental plants, shrubs, trees, and other desirable plants. Avoid fine mists. Use lawn type sprayer with coarse spray as wind drift is less likely. Spray drift can be reduced by spraying when wind speed is low and keeping spray boom as low as possible. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured. Do not pour spray solutions near desirable plants. Do not apply to exposed roots of shallow rooted trees and shrubs. Do not use grass clippings from turf treated with this product for mulch or compost. Mow newly seeded turf at least twice before treatment with XRM-5202. Maximum kill (or control) of weeds will be obtained from Spring or early Fall applications when weeds are actively growing. Unless noted elsewhere on this label, do not apply more than 5.25 ozs. per 1,000 sq. ft. per application. Do not exceed recommended rates because damage to turf may occur. Do not apply when temperature exceeds 90°F.

For optimum results: (1) avoid applying during excessively dry or hot periods unless irrigation is used; (2) avoid applying if rainfall is expected within 18 hours, nor should lawns be irrigated (watered) for 18 hours following application period. Watering will wash off weed killing material; (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.

WEEDS CONTROLLED BY XRM-5202 PREMIUM LAWN WEED KILLER

This product is designed to promote lush green growth in lawns and control many broadleaf weeds such as: Acacias, Alder, Artichoke, Aster, Austrian fieldcress, Bachelor button, Beggartick, Bidden, Bindweed, Bitterweed, Bitter wintercress, Black medic, Blessed thistle, Blue lettuce, Box elder, Broomweed, Buckhorn, Buckwheat, Buffalobur, Bull thistle, Burdock, Bur ragweed, Buttercup, Canada thistle, Carpetweed, Catnip, Chamomile, Chickweed, Chicory, Clover, Cockle, Cocklebur, Coffeebean, Coffeeweed, Common sowthistle, Cornflower, Creeping jenny, Croton, Curly indigo, Dandelion, Dock, Dogbane, Dog fennel, Elderberry, Fanweed, Flea bane (daisy), Flixweed, Florida pusley, Frenchweed, Galinsoga, Goatsbeard, Goldenrod, Ground ivy, Groundsel, Gumweed, Hawksbeard, Hawkweed, Healall, Hemp, Henbit, Hoary cress, Honeysuckle, Horsetail, Horsetweed, Indiana mallow, Ironweed, Jewelweed,

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Jimsonweed, Kochia, Knapweed, Knotweed, Kudzu, Ladysthumb, Lambsquarter, Lespedeza, Locoweed, Lupine, Mallow, Marshelder, Meadow salsify, Mexicanweed, Morningglory, Musk thistle, Mustard, Nettle, Nightshade,, Orange hawkweed, Oxalis, Parsnip, Pennycress, Pennywort, Peppergrass, Pepperweed, Pigweed, Plantain, Poison hemlock, Poison ivy, Poison oak, Pokeweed, Poorjoe, Povertyweed, Prickly lettuce, Primrose, Puncture vine, Purslane, Ragweed, Red clover, Red sorrel, Rush, Russian thistle, St. Johnswort, Shepherds purse, Sicklepod Smartweed, Sneezeweed, Southern wild rose, Sowthistle, Spanishneedle, Spatterdock, Speedwell, Spurge, Starthistle, Stinkweed, Sumac, Sunflower, Sweet clover, Tansy Ragwort, Tarweed, Teasel, Thistle, Toadflax, Tumbleweed, Velvet leaf, Veronica, Vervain, Vetch, Virginia creeper, Wild aster, Wild carrot, Wild geranium, Wild lettuce, , Wild radish, Wild rape, Wild strawberry, Wild sweet potato, Willow, Witchweed, Wormseed, Yarrow, Yellow rocket, and other broadleaf weeds.

After applying this product, many broadleaf weeds will begin to show visible signs of leaf curl within a few days. Some hard-to-kill(or control) broadleaf weeds may require a second broadcast treatment in 3 to 4 weeks. In the event more than two broadcast applications per year are necessary, use as a spot treatment. Spot treat with ready-to-use XRM-5202 Premium Spot Weed Killer or make up solution as listed below.

TURF APPLICATION DIRECTIONS

Make application using equipment that will ensure uniform coverage such as hose-end sprayer, tank-type pump-up pressure sprayer, or sprinkling can. Broadleaf weeds germinate at different times of the year. Only emerged weeds present at the time of application will be killed (or controlled) by XRM-5202 Premium Lawn Weed Killer. Spray entire lawn, wetting weeds and lawn grasses. Be sure the lawn is well watered. If dry, water 1 to 2 days before applying this product. Application under drought conditions may provide less than desirable results. When hard-to-kill(or control) species are prevalent, when applications are made in late Summer, when weeds are mature, or during drought conditions, use the higher rates. Measure the area to be treated. Multiply the length by the width to calculate the square feet.

Cool Season Grasses - Listed above: use 3.2 to 5.25 ounces of this product in 5 gallons of water to 1,000 square feet of lawn. For smaller areas - use 3 teaspoons in 2 quarts of water applied to 100 square feet.

Warm Season Grasses - Listed above: use 3.2 to 4 ounces in 5 gallons of water to treat 1,000 square feet (3 teaspoonfuls in 4 quarts of water applied to 150 square feet). If slight turf yellowing occurs, it should disappear after about 1 week.
Note: Some hybrid Bermuda grasses may be sensitive to this product. Contact your local Extension Service Weed Control Specialist.

For Spot Treatment: Put 1.5 ounces of XRM-5202 Premium Lawn Weed Killer into an empty quart container. Then add 30 ounces of tap water. Trigger Sprayer - adjust spray nozzle to give coarse spray. Aim at center of weed and spray to wet. Applicator Cap - Hold applicator end about 6 inches from surface to be treated and thoroughly wet. To obtain wider coverage raise container. One application should be sufficient. Effects begin to show after a few days and weeds gradually die. Repeat as necessary.

DISPOSAL SPRAYER AND BOTTLE INSTRUCTIONS

Determine area to be sprayed. Apply at a rate of 32 ounces (1 quart) per 6,100 (5.25 oz./m sq.ft.) to 10,000 square feet (3.2 oz./1,000 sq.ft.) for Cool Season grasses or 8,000 (4.0 oz./1,000 sq.ft.) to 10,000 square feet(3.2 oz./m sq.ft.) for Warm Season grasses. Connect spray nozzle to hose. Remove bottle cap and screw bottle into nozzle. 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	Square Feet	4,000
4,000	Square Feet	8,000

(Marks on left for 1 quart disposable bottle. Not to scale.)

(Commercial)

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CONTAINS 2,4-D, TRICLOPYR, AND CLOPYRALID
One Quart Covers Up to 10,000 Square Feet
(See Directions for Different Grasses.)

ACTIVE INGREDIENTS:

Triisopropanolamine Salt of 2,4-Dichlorophenoxyacetic Acid*	14.19%
Triethylamine Salt of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid**	1.06%
3,6-Dichloro-2-Pyridinecarboxylic Acid***	0.36%
INERT INGREDIENTS	84.39%
TOTAL	100.00%

By Isomer Specific AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	7.61%	0.660 lbs./gal.
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EPA REG. NO. 228-337

NET CONTENTS

GALS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

ACCEPTED
with COMMENTS
In EPA Letter Dated

DEC 23 1998

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Fungicide, and Rodenticide Act
as amended, for the pesticide
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(Side Panels)

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fescue, creeping red
fescue, sheeps
fescue, tall
ryegrass, perennial

Southern Grasses†† (Warm Season††)

bahiagrass†
bermudagrass†
buffalograss
centipedegrass†
zoysiagrass†
zoysiagrass†
fescue, tall (growing in
warm season areas)

†Do not apply to these turfgrass species unless potential turfgrass injury can be tolerated. Also, when treating these turfgrass species, do not apply more than 4 ozs. per 1000 sq. ft. To minimize grass injury, a second application should be made at least four weeks later. Avoid swath overlaps.

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Jimsonweed, Kochia, Knapweed, Knotweed, Kudzu, Ladysthumb, Lambsquarter, Lespedeza, Locoweed, Lupine, Mallow, Marshelder, Meadow salsify, Mexicanweed, Morningglory, Musk thistle, Mustard, Nettle, Nightshade,, Orange hawkweed, Oxalis, Parsnip, Pennycress, Pennywort, Peppergrass, Pepperweed, Pigweed, Plantain, Poison hemlock, Poison ivy, Poison oak, Pokeweed, Poorjoe, Povertyweed, Prickly lettuce, Primrose, Puncture vine, Purslane, Ragweed, Red clover, Red sorrel, Rush, Russian thistle, St. Johnswort, Shepherdspurse, Sicklepod Smartweed, Sneezeweed, Southern wild rose, Sowthistle, Spanishneedle, Spatterdock, Speedwell, Spurge, Starthistle, Stinkweed, Sumac, Sunflower, Sweet clover, Tansy Ragwort, Tarweed, Teasel, Thistle, Toadflax, Tumbleweed, Velvet leaf, Veronica, Vervain, Vetch, Virginia creeper, Wild aster, Wild carrot, Wild geranium, Wild lettuce, , Wild radish, Wild rape, Wild strawberry, Wild sweet potato, Willow, Witchweed, Wormseed, Yarrow, Yellow rocket, and other broadleaf weeds.

After applying this product, many broadleaf weeds will begin to show visible signs of leaf curl within a few days. Some hard-to-kill(or control) broadleaf weeds may require a second broadcast treatment in 3 to 4 weeks. In the event more than two broadcast applications per year are necessary, use as a spot treatment. Spot treat with ready-to-use XRM-5202 Premium Spot Weed Killer or make up solution as listed below.

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Note: Some hybrid Bermuda grasses may be sensitive to this product. Contact your local Extension Service Weed Control Specialist.

For Spot Treatment: Put 1.5 ounces of XRM-5202 Premium Lawn Weed Killer into an empty quart container. Then add 30 ounces of tap water. Trigger Sprayer - adjust spray nozzle to give coarse spray. Aim at center of weed and spray to wet. Applicator Cap - Hold applicator end about 6 inches from surface to be treated and thoroughly wet. To obtain wider coverage raise container. One application should be sufficient. Effects begin to show after a few days and weeds gradually die. Repeat as necessary.

