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228-239

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UNIT STATES ENVIRONMENTAL PROTECTI AGENCY

FEB 27 1991

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

Dear Mr. Sawyer:

Subject: Labeling Amendment - Add Roadsides, etc.
Riverdale Triamine 8000 Lawn Weed Killer
EPA Reg. No. 228-239
Your Submission Dated June 28, 1990

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

Add the AOAC Method Number.

Add Storage and Disposal instructions for non-household/domestic use products.

Include the protective clothing statement:

"Wear face shield or goggles, long pants, long-sleeved shirt, shoes and chemical resistant gloves when mixing, loading or applying this product. Wash nondisposable gloves thoroughly with soap and water before removing. If spills occur, collect the material and dispose of by following disposal instructions on this label."

Insert the reentry statement:

"Do not reenter or permit workers to reenter treated areas until sprays have dried."

Add the cleaning of equipment statement:

CONCURRENCES							
SYMBOL	"When cleaning equipment, do not pour the wash water on the ground; spray or drain over a large area away from wells and other water sources."						
SURNAME							
DATE	2/25/91 D.W. 1117						

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Include the groundwater contamination statement:

"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 or 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."

Delete aquatic weeds, sagebrush and sicklepod.

On page 7, change to "within" 48 hours.

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

Please submit five (5) copies of your final printed labeling incorporating the changes before you release the product for shipment.

Sincerely yours,

Joanne L. Miller
Acting Product Manager (23)
Fungicide/Herbicide Branch
Registration Division (475050)

Enclosure

BEST AVAILABLE COPY

ACCEPTED
with COMMENTS
EPA Letter Dated

FEB 27 1991

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

RIVERDALE
TRIAMINE™ 8000
LAWN WEED KILLER

FOR SELECTIVE BROADLEAF WEED CONTROL IN
ORNAMENTAL LAWNS AND TURF GRASSES

ALSO FOR USE ON PLAYGROUNDS, PARKS, VACANT LOTS, AND
SIMILAR AREAS WHERE HARD-TO-KILL WEEDS ARE PRESENT

SYSTEMATICALLY KILLS BROADLEAF WEEDS

ONE QUART COVERS (TREATS) 8,000 SQUARE FEET

ACTIVE INGREDIENTS:†

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid ⁰	3.6%
Dimethylamine Salt of 2-(2-Methyl-4-Chlorophenoxy)propanoic Acid ⁰⁰	3.7%
Dimethylamine Salt of 2-(2,4-Dichlorophenoxy)propanoic Acid ⁰⁰⁰	3.6%

INERT INGREDIENTS:	89.1%
TOTAL	100.0%

Isomer Specific AOAC Method, Equivalent for:

2,4-Dichlorophenoxyacetic Acid	3.0%	0.26 lbs./gal.
2-(2-Methyl-4-Chlorophenoxy)propanoic Acid	3.0%	0.26 lbs./gal.
2-(2,4-Dichlorophenoxy)propanoic Acid	3.0%	0.26 lbs./gal.

†TRIAMINE - TRADEMARK OF RIVERDALE CHEMICAL COMPANY

Patent Pending.

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KEEP OUT OF REACH OF CHILDREN

WARNING

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

NET CONTENTS GAL.

EPA REG. NO. 228-230

EPA EST. NO. 228-11-1

MANUFACTURED BY

RIVERDALE CHEMICAL COMPANY

GLENWOOD, ILLINOIS 60425-1584

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Do not get in eyes. Causes substantial but temporary eye injury. Wear goggles or face shield when handling concentrate. Harmful if swallowed. Avoid breathing vapors or spray mist and contact with skin or clothing.

STATEMENT OF PRACTICAL TREATMENT

- If in Eyes: Immediately flush eyes with fresh water for 15 minutes and get medical attention immediately.
- If on Skin: Wash skin with plenty of soap and water. Get medical attention if irritation persists.
- 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.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes) nor pour the washwater on the ground; spray or drain over a large area away from wells and other water sources and desirable plants. 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. If spills occur, collect the material and dispose of by following disposal instructions on this label.

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.

USE PRECAUTIONS

IMPORTANT: Do not use this product for controlling weeds in flower or vegetable beds or around shrubs or ornamental plantings. Do not spray exposed roots of desirable plants. Do not spray on Dichondra, Lippia, nor on grasses where desirable Clovers are present. Do not apply to newly seeded grasses until they have been mowed 3 times. Do not reseed for 3 to 6 weeks after use. If lawn needs watering, water thoroughly before application. Do not water for 48 hours after application. Watering will wash off weed killing material. Do not apply if rainfall is expected within 48 hours. Avoid fine mists. Use a lawn type sprayer with a coarse spray as wind drift is less likely. Spray entire lawn, wetting weeds and lawn grasses. Do not exceed recommended rates because damage to turf may occur. Spray when air is calm to avoid spray drift that might injure desirable ornamental plants. Do not apply when temperature exceeds 90°F. Make new dilution for each use. Shake well before using. Do not cut grass 1 to 2 days before and after application.

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WEEDS CONTROLLED BY TRIAMINE™ 8000 LAWN WEED KILLER

Alders, Alligatorweed, American lotus, Arrowhead, Artichoke, Aster, Austrian fieldcress, Beggarticks, Bident, Bindweed, Bitterweed, Bitter winter cress, Black medic, Blessed thistle, Blue lettuce, Box elder, Broomweed, Buckhorn, Bull thistle, Bulrush, Burdock, Bur ragweed, Buttercup, Canada thistle, Carpetweed, Catnip, Chickweed, Chicory, Clover, Cockle, Cocklebur, Coffeebean, Coffeeweed, Common sowthistle, Creeping jenny, Croton, Curly indigo, Dandelion, Dock, Dogbane, Dogfennel, Duckweed, Elderberry, English daisy, Flea bane (daisy), Flixweed, Florida pusley, Frenchweed, Galinsoga, Goatsbeard, Goldenrod, Ground ivy, Gumweed, Hawkweed, Healall, Heartloaf drymary, Hemp, Henbit, Hoary cress, Honeysuckle, Horsetail, Indigo, Indiana mallow, Ironweed, Jewelweed, Jimsonweed, Kochia, Knotweed, Lambsquarters, Locoweed, Lupines, Mallow, Marshelder, Mexicanweed, Morningglory, Musk thistle, Mustard, Nettle, Nutgrass, Orange hawkweed, Oxalis, Parrot feather, Parsnip, Pennycress, Pennywort, Peppergrass, Pepperweed, Figweed, Plantain, Poison hemlock, Poison ivy, Poison oak, Pokeweed, Poorjoe, Povertyweed, Prickly lettuce, Primrose, Puncture vine, Purslane, Ragweed, Red clover, Red sorrel, Rush, Russian thistle, Sagebrush, St. Johnswort, Sheep sorrel, Shepherdspurse, Sicklepod, Smartweed, Sneezeweed, Southern wild rose, Sowthistle, Spanishneedles, Spatterdock, Speedwell, Spurge, Spurweed, Stinkweed, Stitchwort, Sumac, Sunflower, Sweet clover, Tarweed, Thistle, Toadflax, Tumbleweed, Velvet leaf, Veronica, Vervain, Vetch, Virginia creeper, Water hyacinth, Water lily, Water plantain, Water primrose, Water shield, Wild aster, Wild carrot, Wild garlic, Wild geranium, Wild lettuce, Wild onion, Wild radish, Wild rape, Wild strawberry, Wild sweet potato, Willow, Witchweed, Woodsorrel, Wormseed, Yarrow, Yellow rocket, Virginia buttonweed 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 control broadleaf weeds may require a second (or an additional) treatment in 3-4 weeks.

ORNAMENTAL LAWNS AND TURF

Cool Season Grasses — such as bluegrass, fescue, and rye: To kill dandelion, wild onion, pennywort, plantain, healall and similar weeds: use 8 ounces in 6 gallons of water and apply with pump or hose end sprayer or sprinkling can to 2,000 square feet of lawn. For smaller areas use 3 teaspoons in 2 quarts of water applied to 80 square feet. For larger areas use 1 gallon in 50 gallons of water to $2/5$ acre (15,600 sq. ft.)

To kill undestrable weeds such as thistle, bindweed, dock and ragweed, use 8 ounces in $2/3$ gallons of water (or 3 teaspoonfuls in $1-2/3$ quarts of water), and apply directly to plants, wetting them thoroughly. Repeat as necessary. For larger areas use 1 gallon in 40 gallons of water.

To kill undestrable plants such as poison ivy and poison oak, use 8 teaspoonfuls in $1-2/3$ quarts of water or 2 gallons in 10 gallons of water and drench plants when they are fully leaved. Repeat in about 4 weeks if necessary. Certain hard to kill weeds such as poison ivy, poison oak and English daisy may require a fall application.

Warm Season Grasses — St. Augustine, Bahia, common Bermuda, Centipede, Zoysia, also for BENT: Use a one half rate which is 4 ounces in 6 gallons of water to treat 2000 sq. ft. (3 teaspoonfuls in 2 quarts of water applied to 160 square feet). Make two applications 10 days apart. Do not spray grasses if stressed from heat, drought, etc. Slight turf yellowing should disappear after about 1 week.

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Note: Some hybrid Bermuda grasses may be sensitive to this product. Contact your local extension service weed control specialist.

Roadsides (including aprons and guard rails) rights-of-way, drainage ditchbanks and other similar non-crop areas: For control of broadleaf weeds, mix at a rate of 1-1/2 to 5 gallons of Triamine 8000 Lawn Weed Killer per 50 to 300 gallons of water. This mixture will cover one acre. Thoroughly saturate all weeds with spray mixture. Apply when plants come into full leaf (spring) to the time plants begin to go dormant. Best results are obtained when weeds are young and actively growing. Do not cut weeds until herbicide has translocated throughout the plant causing root death. For small broadleaf weeds use the lower rate. Heavy, dense stands require the higher rate with high water volume.

For Spot Treatment: Put 4-1/2 Tablespoons Triamine 8000 Lawn Weed Killer into an empty quart container with trigger sprayer. Then add 30 oz. tap water. 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. Pressure Sprayer: mix 2 oz. in one gallon of water, aim at center of weed and spray to wet. One application should be sufficient. Effects begin to show after a few days and weeds gradually die. A repeat application may be required in 3-4 weeks for hard-to-control weeds.

HOSE-END SPRAYER INSTRUCTIONS:

Use a hose-end sprayer designed for lawns. Put recommended amount of Lawn weed Killer (Column 1) in bottle and add water to indicated level (Column 2), and spray on area indicated (Column 3). For example to spray 2,500 sq. feet measure 10 oz. in jar and add water to the 10-gallon level and mix. Turn on hose and spray as evenly as possible over 2,500 square feet.

Column 1 Amount Lawn Weed Killer to use: (Fl. Oz.)	Column 2 Fill Bottle to: (Gallons)	Column 3 Area to Treat: (Sq. Ft.)
5	5	1,250
10	10	2,500
15	15	3,750
20	20 (Full)	5,000

PRESSURE SPRAYER INSTRUCTIONS:

Measure indicated amount of Lawn Weed Killer into tank and dilute with water according to the following chart. Use a spray pattern which gives small droplets without any fine mist and cover the area indicated.

Amount Lawn Weed Killer to use: (Fl. Oz.)	Amount of Water in sprayer: (Gallons)	Area to be sprayed: (Sq. Ft.)
1	1	250
2	2	500
3	3	750
4	4	1,000

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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 sq. ft. for Cool Season grasses or 16,000 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.

2000 Sq. Ft. 4000

4000 Sq. Ft. 8000

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

6000 Sq. Ft. 12000

8000 Sq. Ft. 16000
Cool Season Warm Season**STORAGE AND DISPOSAL.**

STORAGE: To be stored in original container and placed in an area inaccessible to children.

PRODUCT DISPOSAL: Partially filled container may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Rinse thoroughly before discarding in trash. Do not reuse empty container.

NOTICE

Buyer assume all risks of use, storage and handling of this product not in strict accordance with directions given herewith.

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