

228-311

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08/02/1996

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

Dear Mr. Sawyer:

SUBJECT: I. Dermal Toxicity Study  
II. Label Amendment Revising Precautionary Statements  
Riverdale Triplet HI-D Selective Herbicide (EPA Reg.  
No. 228-311)  
Your Submissions, Dated April 24, 1996, and July 19,  
1996

I. Acute Dermal Toxicity Study (MRID #439951-01):

The submitted dermal toxicity study has been reviewed and found to be acceptable. Based on the results of the study, the subject product has been placed in Category III for acute dermal toxicity.

II. Label Amendment Revising Precautionary Labeling:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment.

Sincerely yours,

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

Enclosure

RD:STANTON:PM Team 23:Rm. 235:CM-2:305-5218:Disk #3:S504862.LET

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	S. Stanton							
DATE ▶	Jul 31, 1996							

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RIVERDALE  
TRIPLET® HI-D  
SELECTIVE HERBICIDE

Selective Broadleaf Weed Control For Turfgrasses  
To Control Dandelion, Clover, Henbit, Plantains, Wild Onion, and  
Many Other Broadleaf Weeds  
Also for Highways, Rights-of-Way and Other Similar Non-Crop Areas

Contains 2,4-D, Macoprop and Dicamba

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	41.08%
Dimethylamine Salt of 2-(2-Methyl-4-Chlorophenoxy)propionic Acid**	13.90%
Dimethylamine Salt of Dicamba(3,6-Dichloro-o-anisic Acid)***	1.67%
INERT INGREDIENTS:	43.35%
TOTAL	100.00%

Isomer Specific AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	34.12%, 3.35 lbs./gal.
**2-(2-Methyl-4-Chlorophenoxy)propionic Acid	11.49%, 1.13 lbs./gal.
***3,6-Dichloro-o-anisic Acid	1.39%, 0.14 lbs./gal.

Triplet® Is A Registered Trademark of Riverdale Chemical Company

**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 INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
AND STATEMENT OF PRACTICAL TREATMENT**

EPA REG. NO. 228-311

NET CONTENTS GALS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY  
RIVERDALE CHEMICAL COMPANY  
GLENWOOD, ILLINOIS 60425-1584

NOTE: Spanish language is optional

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
AUG 02 1996

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

228-311

(Inside Booklet)

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

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin. Do not get in eyes, on skin, or on clothing. Avoid inhalation of spray mists. Wear face shield, goggles, or safety glasses and long pants, long-sleeved shirt, socks, shoes and rubber gloves when mixing, loading or applying this product. It is recommended that safety glasses include front, brow, and temple protection. In addition to the clothing and eye protection listed above, commercial mixer/loaders must wear chemical resistant in place of rubber gloves except when the product is to be applied to a golf course. 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 before eating, drinking, or using tobacco. 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, 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.

**Please see additional Precautionary Statements in Directions For Use instructions.**

**STATEMENT OF PRACTICAL TREATMENT**

- IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention at once.
- IF SWALLOWED:** Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.
- 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.

**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 to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target area. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other spraying. When cleaning equipment, do not pour the washwater 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 domestic or irrigation waters.

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

**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.

Triplet® Hi-D is for use on Lawns, Turf, Golf Courses (Fairways, Aprons, Tees and Roughs), Parks, Cemeteries and similar non-crop areas. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

**ADDITIONAL PRECAUTIONS FOR INDUSTRIAL APPLICATIONS**

When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear face shield, goggles, or safety glasses and 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.

**USE PRECAUTIONS**

Avoid mist to vegetables, flowers, ornamentals, shrubs, trees and other desirable plants. Do not pour spray solutions near these plants. Do not spray on carpetgrass, dichondra nor on lawns or turf where desirable clovers are present. Avoid fine mists. Except as noted, use only lawn-type sprayers. Coarse sprays are less likely to "wind-drift". Use coarse spray droplets. Do not spray roots of ornamentals and trees. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other species. 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 for 1 to 2 days before and after 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 three to four weeks after application of this product. Failure to observe all precautions may result in injury to turf and/or susceptible plants.

Triplet Hi-D Selective Herbicide can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizer and liquid iron differ in pH, free ammonia content, density, salt concentration and percentage of water, a compatibility test is recommended prior to mixing in application equipment. All regulations, either State or Federal, relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed.

**WEEDS CONTROLLED**

- |             |              |                |
|-------------|--------------|----------------|
| Bedstraw    | Henbit       | Purslane       |
| Black medic | Knotweed     | Ragweed        |
| Buckhorn    | Lambsquarter | Sheep sorrel   |
| Burdock     | Lespedeza    | Shepherdspurse |
| Chicory     | Mallow       | Speedwell      |
| Chickweed   | Morningglory | Spurge         |
| Clover      | Peppergrass  | Wild carrot    |
| Dandelion   | Pigweed      | Wild garlic    |
| Dock        | Plantain     | Wild lettuce   |
| Ground ivy  | Poison ivy   | Wild onion     |
| Healall     | Poison oak   | Yarrow         |
- and other broadleaf weeds.

**ORNAMENTAL LAWNS & TURF**

**APPLICATIONS:**

**Cool Season Grasses -**

**RATES:**

Use this product at the rate of 2.3 to 4 pints per acre (.84 to 1.5 fl. oz. per 1,000 square feet).

For Normal Application - Use 40 to 80 gallons of water per acre. (1 to 2 gallons water per 1,000 square feet).

For Professional Lawn Maintenance - Use 2.3 to 3 pints per acre

(.84 to 1.1 oz. per 1,000 square feet), 1 to 5 gallons of water per 1,000 square feet. Higher water volumes may be used when tank-mixed with a turf fertilizer. Follow fertilizer labels for proper amounts to add.

For Mature Weeds - Use 3.25 to 4 pints per acre when controlling mature weeds.

**Warm Season Grasses -** Such as St. Augustine, Bahia, Common Bermuda, Centipede, and Zoysia grasses - Apply Triplet Hi-D at a maximum rate of 2.3 pints in up to 150 gallons of water per acre (1.2 oz. of Triplet Hi-D in 5 gallons of water per 1,500 square feet). Use reduced rates if grass is stressed from heat or drought. Exercise care when applying during growth stages from dormancy to green-up and from green-up to dormancy. Some temporary discoloration may occur on warm season grasses.

**NOTE:** If Bermudagrass is dormant, up to 3 pints per acre may be used. However, some hybrid Bermuda grasses may be sensitive to this product. Contact your local extension service weed control specialist.

**Bentgrass:** On closely mowed bentgrass (putting and bowling greens), apply this product at a maximum rate of one fluid ounce in 5 gallons of water per 1,500 square feet - preferably in May or mid-August through September. Slight turf yellowing will disappear after about one week.

#### **NOTE**

Care should be taken to avoid overdosing bentgrass, St. Augustine, and Centipede grasses or injury may result. Large volumes of spray water (i.e. one fluid ounce in 5 gallons of water per 1,500 square feet) will aid in obtaining uniform coverage. If hand-type sprayers are used, it is preferable to use a single nozzle sprayer rather than a multiple nozzle boom as sideways application with a boom where the spray from more than one nozzle is allowed to fall on the same area will result in heavy local over-application and subsequent turf discoloration or injury.

**Herbi™ Controlled Droplet Applicator:** For cool season grasses - Add 2 pints of Triplet Hi-D to the Herbi 5 pint container. Then fill with 3 pints of water. Spray entire contents over 33,000 square feet (approx. 3/4 acre). Do not overlap spray patterns.

For listed warm season grasses - Add 1.5 to 1.8 pints of Triplet Hi-D to the Herbi 5 pint container and fill balance of container with water. Follow Herbi spray instructions for cool season grasses. Use reduced rates if grass is stressed from heat, drought, etc.

**Other Controlled Droplet Applicators: (CDA), Atomizers, and Spinning Disk Applicators:** For cool season grasses - Use Triplet Hi-D at the rate of 2.3 to 4 pints per acre (.84 to 1.5 fl. oz. per 1,000 square feet) in sufficient water to assure coverage (1 to 4 gallons of water per acre is normal for this type of equipment). Do not overlap spray patterns.

For listed warm season grasses - Use 2 to 2.3 pints of Triplet Hi-D per acre (.75 to .84 fl. oz. per 1,000 square feet) in sufficient water to assure coverage (1 to 4 gallons of water per acre is normal for this type of equipment); and follow CDA spray instructions for cool season grasses. Use reduced rates if grass is stressed from heat, drought, etc.

**Lower Volume Equipment** Use as little as 5 gallons of water per acre. Use only application equipment that is capable of spreading a uniform droplet, wetting each weed surface.

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**NON-TURF AREAS**

Roadsides (including aprons and guardrails) rights-of-way, and other similar non-crop areas: For control of broadleaf weeds, mix at a rate of 1/3 to 1 gallon of Triplet Hi-D per 50 to 300 gallons of water. This mixture will cover 43,500 square feet. Thoroughly saturate all weeds with spray mixture. Apply any time between the time when plants come into full leaf (Spring) to when the 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 small (spot) applications with small tank sprayers, apply at the rate of 4 ounces of Triplet Hi-D per gallon of water and spray to thoroughly wet all foliage.

For control of woody plants, apply to both stems and foliage any time from the time foliage is completely matured until the time plants start to go dormant. All leaves, stems and suckers must be completely wet to the ground line for effective control. Regrowth may be anticipated on the more resistant species. Add 1 to 1-1/2 gallons of Triplet Hi-D to 100 gallons of water applying 200 to 600 gallons of spray mixture per 43,500 square feet, depending upon the height and thickness of the brush. Mix thoroughly before spraying.

**STORAGE AND DISPOSAL**

**STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. To prevent cross-contamination, do not store near open containers of fertilizers, seed 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). 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.

**WARRANTY**

Riverdale Chemical Company 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 102393) (PR938&11 042194/RV 042496)