

FEB 27 1990

Mr. Russell F. Sawyer  
Riverdale Chemical Company  
220 East 17th Street  
Chicago Height, IL 60411-3699

Dear Mr. Sawyer:

Subject: Label revisions - General  
Riverdale Weedestroy (R) Tri-Ester™  
EPA Registration No. 228-185  
Your letter dated January 9, 1990

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. Please submit three (3) copies of final printed labeling incorporating these revisions.

Sincerely yours,

Joanne I. Miller  
Acting Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	S. White						
DATE	2/27/90						

EPA Form 1320-1 (12-79)

OFFICIAL FILE COPY

RIVERDALE  
WEDESTROY(R)  
TRI-ESTER™

A THREE-WAY POST-EMERGENT SELECTIVE BROADLEAF HERBICIDE CONTAINING THE ESTERS OF 2,4-D, MECOPROP AND DICHLORPROP. FOR USE ON GOLF COURSES, PARKS, HIGHWAYS, SOD FARMS, ORNAMENTAL TURF LAWNS AND SIMILAR NON-CROP AREAS. KILLS DANDELIONS, CHICKWEEDS, PLANTAINS, OXALIS, SPURGE AND MANY OTHER BROADLEAF WEEDS, SOME OF WHICH ARE LISTED ON THIS LABEL.

ONE GALLON COVERS UP TO 4 ACRES

ACTIVE INGREDIENTS:

Isooctyl ester of 2,4-Dichlorophenoxyacetic Acid* .....	23.99%
Isooctyl ester of 2-(2-Methyl-4-chlorophenoxy) propionic Acid** .....	24.41%
Isooctyl ester of 2-(2,4-Dichlorophenoxy)propionic Acid*** ...	33.54%
INERT INGREDIENTS: .....	18.06%
TOTAL .....	100.00%

By Isomer Specific Assay AOAC Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid .....	15.9%	1.4 lbs./gal.
**2-(2-Methyl-4-chlorophenoxy) propionic Acid .....	15.9%	1.4 lbs./gal.
***2-(2,4-Dichlorophenoxy)propionic Acid .....	22.7%	2.0 lbs./gal.

Weedestroy(R) and Tri-Ester™ are Trademarks of Riverdale Chemical Company  
Patent Pending

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-185

NET CONTENTS GAL.

EPA EST NO. 228-IL-1

Manufactured By  
RIVERDALE CHEMICAL COMPANY  
Glenwood, Illinois 60425-1584

ACCEPTED  
with COMMENTS  
in EPA Letter-Datuk

772 27 1990

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, this pesticide  
registered under EPA Reg. No.  
228-185

Revised 11/30/89

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center. DO NOT induce vomiting or give anything by mouth to an unconscious person.  
**IF ON SKIN:** Wash thoroughly with plenty of soap and water. Get Medical Attention.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or wetlands. 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.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

**GENERAL INFORMATION**

WEEDSTROY TRI-ESTER is a stable solution containing a mixture of three herbicides. It is for use on Lawns, Turf (not pastures) and Golf Fairways, Aprons, Tees and Roughs, Parks, Sod Farms, Cemeteries, along Highways, Rights-of-Way, and other similar non-crop areas. Maximum kill of weeds will be obtained by applying in Spring and early 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 carpetgrass, dichondra, nor on grasses where desirable clovers are present. 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. Use higher rates when using higher volume of water per acre. Do not exceed specified application dosages for any area. Do not apply to newly seeded grasses until well established. Spray when air temperature is between 50-85°F. Avoid applying during excessively dry or hot periods unless irrigation is used. Do not apply if rainfall is expected within 48 hours; nor should lawns be irrigated (watered) for 48 hours following application. For optimum results, turf should not be mowed for 1 - 2 days before and after 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 above precautions may result in injury.

WEEDS CONTROLLED BY TRI-ESTER

Alders, Alligatorweed, American lotus, Arrowhead, Artichoke, Aster, Austrian fieldcress, Beggar-ticks, Bidden, 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, Pigweed, Plantain, Poison hemlock, 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, Sp. shneedles, 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, Wormweed, Yarrow, Yellow rocket, Virginia buttonweed and other broadleaf weeds.

PREPARATION OF THE SPRAY

Add one-half the required amount of water to spray tank, then add this product with agitation and finally balance of water with continued agitation. This material forms an emulsion in water-not a solution. This tends to separate on standing. Provide agitation to prevent such separation to uniform mixture.

Cool Season Grasses - such as blue grass, fescue, and ryegrass:

For normal application, use Weeddestroy Tri-Ester at a rate of 2-3 pts per acre in sufficient water for coverage, 20-260 gallons of water per acre (3/4 - 1.1 ounces in 1-6 gallons of water per square feet).

Warm Season Grasses - such as St. Augustine, bahia, common Bermuda, centipede and zoysia: Apply Weeddestroy Tri-Ester at maximum rate of 1-1/2 - 2 pints in up to 150 gallons of water per acre oz. (.55-3/4 oz. in 3 gallons of water per 1000 square feet). Do not spray St. Augustine, common Bermuda or centipede grasses if stressed from heat, drought, etc. Slight turf yellowing should disappear after about 1 week. Exercise care while applying when warm season grasses are emerging from dormancy. Note: Some hybrid Bermuda grasses may be sensitive to this product. Contact your local extension service weed control specialist.

Bentgrass Turf: On closely mowed bentgrass - other than golf course greens and tees, apply Weeddestroy Tri-Ester at maximum rate of 2/3 oz. in 3 gallons water per 1000 sq. ft. (1-3/4 pints per acre) in May or mid-August through September weeds are actively growing. Exercise care to avoid over-dosing bentgrass or injury may result. Slight turf yellowing should disappear after about 1 week. Do not spray if grass is under stress conditions.

Low Volume Applicator: When using a Low Volume Applicator (such as Lawn Doctor's "Turf Tamer") on above listed grasses use Weeddestroy Tri-Ester at a rate of 2-3 pints per acre (.75 oz.-1.1 oz. in 1/2 gal. water per 1000 sq. ft.).

**Herbi Controlled Droplet Applicator:** On Cool Season Grasses - Add 2 pints of Weedestroy Tri- Ester to the 5 pint Herbi bottle, then fill with 3 pints of water or 2-1/2 pints of water and 1/2 pint of surfactant while agitating the solution. For warm season grasses - use 1-1/2 pints of Tri-Ester with 3-1/2 pints of water. While walking at approximately 1 pace (3 feet) per second; spray entire spray contents over 33,000 square feet (3/4 of an acre). Do not overlap (double coverage) at edge of patterns.

Reduced rates of Weedestroy Tri-Ester (1/2 of rate shown above) must be used when grass is stressed from heat, drought, etc.

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 1/2-1 gallon of Weedestroy Tri-Ester per 100-300 gallons of water. This mixture will cover 43,500 sq. ft.

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 small (spot) applications with small tank sprayers use at the rate of 1-1/2 ounces Weedestroy Tri-Ester per gallon of water and spray to thoroughly wet all foliage.

For control of woody plants, apply to both stems and foliage from the time foliage is completely matured until the 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 - 1-1/2 gallons of Weedestroy Tri-Ester to 100 gallons of water using 200-600 gallons of spray mixture per 43,500 sq. ft. depending upon the height and thickness of the brush. Mix thoroughly before spraying.

**Weedestroy(R) Tri-Ester™ and Bucril™ Mixture - Tank Mix**

For use on bahia, common Bermuda, centipede, St. Augustine and zoysia Grasses: Mix 1/2 ounce Tri-Ester and 1-1/2 ounces Bucril per gallon of water to treat 1000 square feet.

Bucril™ is a trademark of Rhone-Poulenc.  
Herbi™ is a trademark of North American Micron.

**STORAGE AND DISPOSAL**

**STORAGE:** Always store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. 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 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. 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 recondition or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers dispose also by incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

(Alternate Storage Statement for Consumer Size Packaging)

STORAGE: To be stored in original container and placed in area inaccessible to children.  
 DISPOSAL: PRODUCT - Partially filled container may be disposed of by securely wrapping container in several layers of newspaper and discarding in trash.  
 DISPOSAL: CONTAINER - Do not reuse empty container. Rinse thoroughly before discarding in trash.

Local conditions may affect the uses of this chemical as shown on this label. Consult State Experiment Station or Extension Service weed specialist for specific recommendations for local weed problems and for information on possible lower dosages.

WARRANTY

R'dale 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, mixture with other chemicals, and other 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.

