

228-323

8/20/2003

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Jacket



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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Russell F. Sawyer
Nufarm Americas Inc.
1333 Burr Ridge Parkway, Suite 125A
Burr Ridge, IL 60527-0866

AUG 20 2003

Dear Mr. Sawyer:

Subject: Revised Labeling
Riverdale Truepower Selective Herbicide
EPA Registration Number 228-323 ✓
Your Submission Dated June 25, 2003

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

1. When this product is formulated with a Clopyralid Technical marketed with the labeling approved by this office on September 27, 2002 (or later) you must modify the turf directions for use to include the following statements :

For use only on non-residential turf such as athletic and recreational sports fields, cemeteries, golf courses, industrial sites, non-cropland, parks, rights-of-way, and roadsides.

- Do not use on residential turf
- Do not send clippings to a compost facility
- Do not collect grass clippings for mulch or compost
- Applicator must give notice to landowners/property managers to not use grass clippings for composting.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

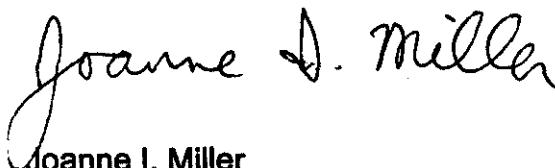
A stamped copy of the labeling is enclosed for your records.

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If you have any questions concerning this letter, please contact Mr. James Stone at 703-305-7391.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne I. Miller". The signature is written in black ink and is positioned above the typed name.

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

Enclosure -

PLEASE SEE SPECIAL EDITOR'S NOTE ON LAST PAGE

ACCEPTED
with COMMENTS
in EPA Letter Dated
AUG 20 2003

RIVERDALE®

TRUPOWER® SELECTIVE HERBICIDE

FOR SELECTIVE BROADLEAF WEED CONTROL
IN ORNAMENTAL LAWNS AND TURF GRASSES

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
228-323

CONTAINS MCPA, CLOPYRALID AND DICAMBA

CONTROLS: Dandelion, Chickweed, Black medic, Knotweed, Plantain, Oxalis,
Clover, Cocklebur, Thistle and many other species of
broadleaf weeds; some of which are listed on this label.

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid*	48.13%
Monoethanolamine Salt of 3,6-Dichloro-2-Pyridinecarboxylic Acid**	5.18%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-Anisic Acid)***	4.73%
INERT INGREDIENTS:	41.96%
TOTAL	100.00%

By Isomer Specific AOAC Method, Equivalent to:

*2-Methyl-4-Chlorophenoxyacetic Acid	39.30%, 3.75 lbs./gal.
**3,6-Dichloro-2-Pyridinecarboxylic Acid	3.93%, 0.37 lbs./gal.
***3,6-Dichloro-o-Anisic Acid	3.93%, 0.37 lbs./gal.

Riverdale and TruPower are Registered Trademarks of Riverdale - A Nufarm Company

FOR USE BY PROFESSIONAL TURF MAINTENANCE PERSONNEL,
LANDSCAPING OR COMMERCIAL APPLICATORS ONLY.
NOT FOR SALE TO OR USE BY HOMEOWNERS.

NOT FOR SALE OR USE IN NASSAU AND SUFFOLK COUNTIES IN N.Y. STATE¹.
IN WASHINGTON, THIS PRODUCT MAY NOT BE USED ON RESIDENTIAL LAWNS.

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 FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-323

NET CONTENTS

GALS.

EPA EST. NO. 228-IL-1

MANUFACTURED BY NUFARM AMERICAS INC., BURR RIDGE, ILLINOIS 60527-0866.

NOTE: Spanish language is optional

Revised 3/21/03 Changed First Aid Statement per PR 2001-1 via Amendment.
6/25/03 Corrected Ornamental Sites per EPA's Request 5/28/03 Meeting. Also added Special Editor's Note.

(Inside Booklet)

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

Corrosive. This concentrate causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses) when mixing and loading this product. After product has been diluted in accordance with directions for use below, eye protection is not required. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID STATEMENT

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

- IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
- NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

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. When cleaning equipment, do not pour 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 water used for irrigation or domestic purposes.

Clopyralid, an active ingredient in this product, may leach through soil into groundwater under certain conditions of use. Use of this product where soils are permeable, particularly where the water table is shallow, may 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 or transferring this product will reduce the probability of spills. Placement of mixing/loading equipment on an impervious pad to contain spills will help

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.

TRUPOWER® SELECTIVE HERBICIDE is for use on Ornamental Turf Lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields and Golf Courses (Fairways, Aprons,

Tees* and Roughs) and similar turf 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.

*Excluding Bentgrass Tees.

DO NOT USE GRASS CLIPPINGS FROM TURF TREATED WITH THIS PRODUCT FOR COMPOSTING AND/OR MULCH IN THE GROWING SEASON OF APPLICATION.

USE PRECAUTIONS

Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near desirable plants. Do not use on Dichondra, nor on lawns or turf where desirable clovers are present. Avoid fine mists. Use lawn type sprayer with coarse spray as wind drift is less likely. Avoid contact with exposed feeder roots of ornamentals and trees. Maximum control of weeds will be obtained from Spring or early Fall applications when weeds are actively growing. The degree of weed control and duration of effect will vary with weed size and density, spray rate and coverage, and growing conditions before, during, and after the time of treatment. Use the higher rate for hard-to-control weeds. Do not exceed specified dosages for any area; be particularly careful within the dripline of tree and other ornamental species. Do not apply to newly seeded grasses until well established. Avoid broadcast applications when air temperature exceeds 90°F. When using in small, spot treatment applications in temperatures over 90°F, turf injury may occur.

When treating Carpetgrass and St. Augustine grass, avoid broadcast applications when air temperature exceeds 80°F. When air temperature exceeds 80°F limit application to spot treatment only. Do not reapply TruPower within 8 weeks of a previous treatment.

The suitable use of TruPower on non-recommended turf species may be determined by treating a small area at any rate/acre which does not exceed 3 pints/acre. The treated area should be observed for any sign of turf injury for a period of 30 days of normal growing conditions to determine the phytotoxicity and efficacy to the treated area.

(Optional for N.Y. State sales) In New York: Do not apply more than 6 pints (0.28 pounds of clopyralid acid) Riverdale TruPower Selective Herbicide per acre per year.

For optimum results: (1) avoid applying during excessively dry or hot periods unless irrigation is used; (2) turf should not be mowed 1 to 2 days before and following application; (3) 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.

WEEDS CONTROLLED BY TRUPOWER® SELECTIVE HERBICIDE

- Alfalfa, Amaranth, Aster, Bachelor button, Bedstraw, Beggartick, Beggarweed, Bindweed, Bitter sneezeweed, Black medic, Bladder campton, Bracken fern, Broomweed, Buckhorn, Buckwheat, Buffalobur, Burclover, Burcucumber, Burdock, Bursage, Buttercup, Canada thistle, Carpetweed, Catnip, Catsear, Chamise, Chamomile, Chickweed, Chicory, Cinquefoil, Clover, Cocklebur, Coffeeweed, Cornflower, Cornspeedwell, Croton, Daisy, Dandelion, Dock, Dog fennel, Dragonhead mint, Evening primrose, Field pennycress, Fleabane, Florida pusley, Frenchweed, Galinsoga, Geranium, Goatsbeard, Goldenrod, Goosefoot, Gromwell, Ground ivy, Groundsel, Halfshrub sundrop, Hawksbeard, Hawkweed, Healall, Heartleaf drymary, Hemp sesbania, Hempnettle, Henbit, Horsenettle, Horseweed, Ironweed, Jerusalem artichoke, Jimsonweed, Knapweed, Knapwood, Knawel, Knotweed, Kochia, Ladysthumb, Lambsquarter, Lespedeza, Little starwort, Locoweed, Mallow, Marc's Tail, Marshelder, Matchweed, Mayweed, Milkweed, Morningglory, Mustard, Nightflowering catchfly, Nightshade, Oxalis (Stricta and corniculata), Parsley-piert, Pennywort, Peppergrass, Pepperweed, Pigweed, Plantain, Poison hemlock, Poison ivy, Poison oak, Pokeweed, Poorjoe, Prickly sida, Prickly lettuce, Puncturevine, Purslane, Ragweed, Red sorrel, Red clover, Redvine, Redstem, Rubberweed, Sheep sorrel, Shepherdspurse, sicklepod, Smartweed, Snakeweed, Sowthistle, Speedwell, Spiderwort, Spikeweed, Spiny, Spurge, Spurry, Spurweed, Starbur, Stinging nettle, Stitchwort, Stunkweed, Sumpweed, Sunflower, Tansy ragwort, Teasel, Teaweed, Texas blueweed, Thistle, Toadflax, Trumpet creeper, Velvetleaf, Veronica, Vetch, Waterhemlock, Waterhemp, Whitebrush, Wild radish, Wild onion, Wild aster, Wild carrot, Wild garlic, Wild geranium, Wood sorrel, Wormwood, Yankeeweed, Yarrow, Yellow starthistle, Yellow rocket,

and many other broadleaf weeds.

ORNAMENTAL LAWNS AND TURF

Apply TruPower Selective Herbicide at the rate of 2 to 3 pints in 20 to 240 gallons of water per acre (0.73 to 1.10 fl. oz. in 0.5 to 5.5 gallons of water per 1,000 square feet) to control weeds growing in turf grasses planted to Bahia, Bent (excluding golf course greens and tees), Bermuda, Bluegrass, Carpetgrass, Centipede, Fescue, Rye, St. Augustine, and Zoysia.

Herbi Controlled Droplet Applicator: Add 1-1/2 to 2-1/4 pints of TruPower Selective Herbicide to the 5 pint Herbi bottle, then fill with water to make 5 pints of mixture or substitute 1/2 pint of a surfactant for water while agitating the solution.

While walking at approximately 1 pace (3 feet) per second, spray entire contents over 33,000 square feet (3/4 of an acre). Reduce application rates to stressed turf unless temporary injury can be tolerated.

Herbi™ is a trademark of North American Micron.

Controlled Droplet Applicators - (CDA), Atomizers, and Spinning Disk Applicators: Use TruPower Selective Herbicide at the rate of 2 to 3 pints per acre (0.73 to 1.10 fluid ounces 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).

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.

NOTE: For all grasses (1) Avoid double coverage resulting from overlap unless temporary turf injury can be tolerated. (2) Use reduced rates if grass is stressed from heat, drought, etc.; and (3) Follow CDA equipment spray instructions.

COMPATIBILITY

TruPower Selective Herbicide can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizers and liquid iron differ in pH, free ammonia content, density, salt concentration and percentage of water, a compatibility test (given below) is recommended prior to mixing in the 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. The following compatibility test should always be performed prior to full-scale mixing.

1. Pour 18 ounces of water into a quart jar.
2. Add 1 ounce of either the liquid fertilizer or liquid iron to be used.
3. Add 1 ounce of TruPower Selective Herbicide.
4. Close jar and shake well.
5. Watch the mixture for several seconds after shaking and check again after 30 minutes.
6. If the mixture does not show signs of separating, the combination may be used. If the mixture foams excessively, gels, separates or gets very thick, do not combine for field application.
7. Compatibility may be improved by the use of a compatibility agent. Some suggested compatibility agents to try are Kalo Laboratories Complex, Hopkins Chemical's Unite, Farm Chemicals Inc.'s Compat, Harcros Chemicals' T-Mulz 734-2, Rigo Company's Rigo Compatibility Agent, Witco Chemical's Sponto 168D, Amoco Oil's Amoco Spray Mate and Universal Coop.'s Chem-Link. These agents are all used in the same manner. Follow the previously outlined test procedures and add 1/6 ounce of the compatibility agent between steps (the compatibility agent must be added to the fertilizer or iron before adding the TruPower Selective Herbicide.)
8. If the mixture does not separate, gel, foam or get very thick, it may be used for field application. Mix only the amount to be sprayed. Do not allow to stand overnight.

STORAGE AND DISPOSAL

STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. 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 store near open containers of fertilizer, seed or other pesticides. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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. 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), adding rinsate to spray tank. 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.

CONTAINER DISPOSAL FOR REFILLABLE CONTAINERS: Close all openings and replace all caps. Contact Riverdale's Customer Service Department at 1-708/754-3330, to arrange for return of the empty refillable container.

WARRANTY

Seller 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, including the use of this product on turf species not recommended on this label. (RV 062503)

Editor's Note:

¹The State Sale and Use Prohibitions of this product must be part of printed label text for any product which might possibly enter the channels of trade in the states of New York and/or Washington. The label prohibitions are optional for all other states.

Special Editor's Note:

Not to appear on final printed label.

The approved use of this label will automatically be terminated once the Clopyralid Technical, (Labeling approved by The Office of Pesticide Programs (OPP) prior to September 27, 2002) is depleted. Please Note; Clopyralid Technical marketed with labeling approved by OPP on September 27, 2002 (or later) prohibits formulating that Clopyralid Technical for use on residential turf. We will provide the Agency with updated labeling based on the new technical label before packaging. Any questions regarding these statements must be directed to Riverdale's Regulatory Affairs Manager at 1-800/345-3330.