

228-317

8/20/2003

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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

AUG 20 2003

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

Dear Mr. Sawyer:

Subject: Revised Labeling
Riverdale Cool Power Selective Herbicide
EPA Registration Number 228-317 ✓
Your Submissions Dated June 30 and July 10, 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 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.

The labeling submitted June 30, 2003 was not reviewed or stamped accepted since it was superceded by the July 10, 2003 application.

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".

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

Enclosure

2 8 9

(COMMERCIAL LABEL)

RIVERDALE®

COOL POWER® SELECTIVE HERBICIDE

A THREE-WAY POST-EMERGENT SELECTIVE BROADLEAF HERBICIDE
FOR USE ON GOLF COURSES, PARKS, ORNAMENTAL TURF LAWNS, ROADSIDES,
AND SIMILAR TURF AREAS.

CONTROLS (OR KILLS) DANDELIONS, CHICKWEEDS, PLANTAINS, OXALIS, SPURGE AND
MANY OTHER BROADLEAF WEEDS, SOME OF WHICH ARE LISTED ON THIS LABEL.

CONTAINS MCPA, TRICLOPYR AND DICAMBA

ONE GALLON COVERS UP TO 3.2 ACRES

ACTIVE INGREDIENTS:

| | | |
|---|-----------------|---------|
| Isooctyl (2-ethylhexyl) Ester of 2-Methyl-4-Chlorophenoxyacetic Acid* | | 56.14% |
| Butoxyethanol Ester of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid** | | 5.00% |
| Dicamba (3,6-Dichloro-o-Anisic Acid)*** | | 3.60% |
| INERT INGREDIENTS: | | 35.26% |
| Contains Petroleum Distillates | TOTAL | 100.00% |

Isomer Specific AOAC Method, Equivalent to:

| | | |
|---|-----------|----------------------|
| *2-Methyl-4-Chlorophenoxyacetic Acid | | 36.0%, 3.0 lbs./gal. |
| **3,5,6-Trichloro-2-Pyridinyloxyacetic Acid | | 3.6%, 0.3 lbs./gal. |
| ***3,6-Dichloro-o-Anisic Acid | | 3.6%, 0.3 lbs./gal. |

Riverdale and Cool Power are Registered Trademarks of Riverdale - A Nufarm Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

**SEE INSIDE BOOKLET FOR FIRST AID
AND ADDITIONAL PRECAUTIONARY STATEMENTS**

EPA REG. NO. 228-317

NET CONTENTS

GALS.

EPA EST. NO. 228-IL-1

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

ACCEPTED

AUG 20 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 228-317

- Revised 3/21/03 Changed First Aid Statement per PR 2001-1 and the optional small package Disposal Statement via Amendment.
- 6/20/03 Corrected Ornamental Sites per EPA's Request 5/28/03 Meeting; Also clarified instructions for Residential uses.
- 7/10/03 Split labels per EPA's letter dated 4/25/03 via Amendment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

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: May pose an aspiration pneumonia hazard.

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 or rinsate nor pour washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these phenoxy pesticides at such 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 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. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

GENERAL INFORMATION

COOL POWER® SELECTIVE HERBICIDE is a stable solution containing a mixture of three herbicides. It 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.

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 Carpetgrass, Dichondra, nor on lawns or turf where desirable clovers are present. 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 (or killing) of weeds will be obtained from Spring or early Fall applications when weeds are actively growing. Use the higher rate for hard-to-control (or kill) weeds. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other ornamental species. Do not apply to newly seeded grasses until well established. Do not spray when air temperature is above 85°F.

Avoid application to Centipede, or St. Augustine grasses unless turf injury can be tolerated. The suitable use of Cool Power on these non-recommended turf species may be determined by treating a small area at any rate/acre (or 1000 sq.ft.) which does not exceed 3-1/2 pints/acre (1.29 fl.oz./1000 sq.ft.). Prior to treatment of larger areas, 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. The user assumes the responsibility for any plant damage or other liability resulting from the use of this product on species not recommended on this label.

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. Failure to observe the above precautions may result in injury to turf and other desirable vegetation.

WEEDS CONTROLLED BY COOL POWER®

Beggarweed, Bindweed, Black medic, Buckhorn, Burdock, Buttercup, Canada thistle, Carpetweed, Catnip, Chamise, Chickweed, Chicory, Cinquefoil, Clover, Cocklebur, Coffeeweed, Cornflower, Cornspeedwell, Dandelion, Dock, Dog fennel, English daisy, Florida pusley, Frenchweed, Goldenrod, Ground ivy, Hawkweed, Healall, Heartleaf drymary, Henbit, Jimsonweed, Knawel, Knotweed, Kochia, Lambsquarter, Lespedeza, Little Starwort, Mallow, Matchweed, Morningglory, Mustard, Oxalis (Stricta and corniculata), Parsley-piert, Pennywort, Pepperweed, Pigweed, Plantain, Poison ivy, Poison oak, Purslane, Ragweed, Red clover, Red sorrel, Sheep sorrel, Shepherdspurse, Smartweed, Sowthistle, Speedwell, Spiderwort, Spotted catsear, Spurge, Spurweed, Stinging nettle, Stitchwort, Thistle, Toadflax, Veronica, Vetch, Wild aster, Wild carrot, Wild garlic, Wild geranium, Wild lettuce, Wild onion, Wild radish, Wild violet, Wood sorrel, Yarrow and many other broadleaf weeds.

PREPARATION OF THE SPRAY

Add one-half the required amount of water to the spray tank, then add this product with agitation, and finally the balance of the 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 and ensure a uniform mixture.

ORNAMENTAL LAWNS AND TURF

Apply Cool Power Selective Herbicide at the rate of 2-1/2 to 3-1/2 pints in 20 to 240 gallons of water per acre (0.91 to 1.29 fluid ounces in 0.5 to 5.5 gallons of water per 1,000 square feet) to control weeds growing in turf planted to Bluegrass, Fescue, Rye, Bent (excluding golf greens and tees), Bahia, Bermuda and Zoysia.

When treating warm season turf that is completely dormant, the higher rates may be used. When treating warm season turf that is actively growing, use a lower rate. Avoid applications to warm season turf during transition from dormancy to green-up or green-up to dormancy.

Herbi™ Controlled Droplet Applicator: Add 1-2/3 to 2-1/2 pints of Cool Power 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). Do not overlap (double coverage) at edge of spray patterns. Reduced rates (use 1/2 of rate shown above) of Cool Power must be applied when grass is stressed from heat, drought, etc. Herbi™ is a trademark of North American Micron.

Controlled Droplet Applicators - (CDA), Atomizers, and Spinning Disk Applicators: Use Cool Power at the rate of 2-1/2 to 3-1/2 pints per acre (0.9 to 1.25 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).

NOTE: For all grasses (1) Do not overlap spray patterns; (2) Use reduced rates if grass is stressed from heat, drought, etc.; and (3) Follow CDA equipment spray instructions.

OTHER NON-CROP AREAS

Roadsides (Including Aprons and Guard Rails), Rights-of-Way, and Other Similar Non-Crop Areas: For the control of broadleaf weeds, mix at a rate of 1/4 to 3/4 gallon of Cool Power 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 of 3 ounces of Cool Power per gallon of water and spray to thoroughly wet all foliage.

STORAGE AND DISPOSAL

STORAGE: Always store pesticides in a secured warehouse or storage building. Containers should be opened in well-ventilated area. 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: 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. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

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

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.

(RV 071003)

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(RESIDENTIAL LABEL)

RIVERDALE®

COOL POWER® SELECTIVE HERBICIDE

A THREE-WAY POST-EMERGENT SELECTIVE BROADLEAF HERBICIDE
FOR USE ON RESIDENTIAL TURF.

CONTROLS (OR KILLS) DANDELIONS, CHICKWEEDS, PLANTAINS, OXALIS, SPURGE AND
MANY OTHER BROADLEAF WEEDS, SOME OF WHICH ARE LISTED ON THIS LABEL.

CONTAINS MCPA, TRICLOPYR AND DICAMBA

ONE GALLON COVERS UP TO 3.2 ACRES

ACTIVE INGREDIENTS:

| | |
|--|---------------|
| Isooctyl (2-ethylhexyl) Ester MCPA Acid* | 56.14% |
| Butoxyethanol Ester of Triclopyr Acid** | 5.00% |
| Dicamba Acid*** | 3.60% |
| INERT INGREDIENTS: | 35.26% |
| Contains Petroleum Distillates | TOTAL 100.00% |

Isomer Specific AOAC Method, Equivalent to:

| | |
|------------------|----------------------|
| *MCPA Acid | 36.0%, 3.0 lbs./gal. |
| **Triclopyr Acid | 3.6%, 0.3 lbs./gal. |
| ***Dicamba Acid | 3.6%, 0.3 lbs./gal. |

Riverdale and Cool Power are Registered Trademarks of Riverdale - A Nufarm Company

KEEP OUT OF REACH OF CHILDREN

CAUTION

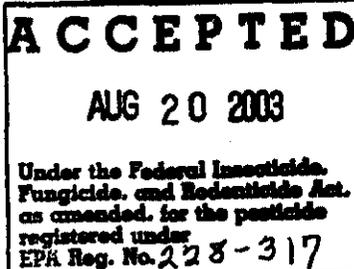
SEE INSIDE BOOKLET FOR FIRST AID
AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-317

NET CONTENTS GALS.

EPA EST. NO. 228-IL-1

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



- Revised 3/21/03 Changed First Aid Statement per PR 2001-1 and the optional small package Disposal Statement via Amendment.
- 6/20/03 Corrected Ornamental Sites per EPA's Request 5/28/03 Meeting; Also clarified instructions for Residential uses.
- 7/10/03 Created Residential use label per EPA's letter dated 4/25/03 via Amendment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

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: May pose an aspiration pneumonia hazard.

ENVIRONMENTAL HAZARDS

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate nor pour washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these phenoxy pesticides at such 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 the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

DIRECTIONS FOR USE

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GENERAL INFORMATION

COOL POWER® SELECTIVE HERBICIDE is a stable solution containing a mixture of three herbicides. It is for use on Residential Turf.

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 Carpetgrass, Dichondra, nor on lawns or turf where desirable clovers are present. 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 (or killing) of weeds will be obtained from Spring or early Fall applications when weeds are actively growing. Use the higher rate for hard-to-control (or kill) weeds. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other ornamental species. Do not apply to newly seeded grasses until well established. Do not spray when air temperature is above 85°F.

Avoid application to Centipede, or St. Augustine grasses unless turf injury can be tolerated. The suitable use of Cool Power on these non-recommended turf species may be determined by treating a small area at any rate/1000 sq.ft. which does not exceed 1-1/4 fl.oz./1000 sq.ft. Prior to treatment of larger areas, 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. The user assumes the responsibility for any plant damage or other liability resulting from the use of this product on species not recommended on this label.

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. Failure to observe the above precautions may result in injury to turf and other desirable vegetation.

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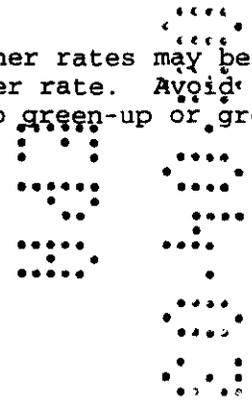
PREPARATION OF THE SPRAY

Add one-half the required amount of water to the spray tank, then add this product with agitation, and finally the balance of the 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 and ensure a uniform mixture.

ORNAMENTAL LAWNS AND TURF

Apply Cool Power Selective Herbicide at the rate of 0.91 to 1.29 fluid ounces in 0.5 to 5.5 gallons of water per 1,000 square feet to control weeds growing in turf planted to Bluegrass, Fescue, Rye, Bent, Bahia, Bermuda and Zoysia.

When treating warm season turf that is completely dormant, the higher rates may be used. When treating warm season turf that is actively growing, use a lower rate. Avoid applications to warm season turf during transition from dormancy to green-up or green-up to dormancy.



STORAGE AND DISPOSAL

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

DISPOSAL: **If empty** - Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled** - If product cannot be used as directed, or offered to others for their use, call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

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

NOTICE

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

(RV 071003)