

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**	3.00%
Dicamba (3,6-Dichloro-o-Anisic Acid)***	3.60%

**INERT INGREDIENTS:**

TOTAL	100.00%
-------	---------

Contains Petroleum Distillates

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.

**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**  
 SEE FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 228-317

EPA EST. NO. 228-IL-1

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

**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**

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>Call poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

**NOTE TO PHYSICIAN** May pose an aspiration pneumonia risk

**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 such as 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 of weeds will be obtained from Spring or early Fall applications when weeds are actively growing. Use the higher rate for hard-to-control 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.

PIB.Cool Power.0105

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 which does not exceed 3-1/2 pints/acre. 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 (Stictia and corniculata), Parsley-piert, Pennywort, Pepperweed, Pigweed, Plantain, Poison ivy, Poison oak, Purslane, Ragweed, Red clover, Red sorrel, Sheep sorrel, Shepherds-purse, Smartweed, Sowthistle, Speedwell, Spidervort, 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 55 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.

**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. Do not store near seeds, fertilizers, insecticides or fungicides. 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 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 Experiment 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. RV071003

Cool Power and Riverdale are registered trademarks of Nufarm Americas Inc. Herbi is a registered trademark of Micron Sprayers Limited Corporation United Kingdom



1333 Burr Ridge Parkway • Suite 125A  
 Burr Ridge, IL 60527-0866  
 Phone: 708.754.3330 • Fax: 708.754.0314  
 Toll-free 1.800.345.3330  
 www.turf.us.nufarm.com

© 2005 Nufarm Americas Inc.