

COOL POWER SELECTIVE HERBICIDE Details

NY Product No. 228-317

Type HERBICIDE
 Use NON-CROP, TURF
 Status REGISTERED
 Restriction Codes None
 Restriction Conditions GROUNDWATER ADVISORY
 Toxicity Statement NONE
 Signal Word CAUTION
 Precautionary Statement ORAL, DERMAL
 Formulation LIQUID
 Renewal Date 06/30/2017
 Initial Registration Date 09/06/2006

Active Ingredients

AI Code	Active Ingredient Name	Percent of AI
116004	Acetic acid, ((3,5,6-trichloro-2-pyridinyl)oxy)-, 2-butoxyethyl ester	5
030564	Acetic acid, (4-chloro-2-methylphenoxy)-, 2-ethylhexyl ester	56.14
029801	Dicamba	3.6

NYS Labels/Documents

Document Type	Accepted Date	Label/Document No.
PRIMARY LABEL	07/02/2007	511612
PRIMARY LABEL	02/12/2014	537736

ACCEPTED
FOR REGISTRATION

Doc id: 537736

Feb 12, 2014

New York State Department
of Environmental Conservation
Division of Material Management
Pesticide Product Registration

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%

OTHER INGREDIENTS: 35.26%

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.

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL
PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or
Exposure, Call CHEMTREC
(800) 424-9300

For Medical Emergencies Only,
Call (877) 325-1840



EPA Reg. No. 228-317
EPA Est. No. 228-IL-1

Net Contents
2.5 Gal.
(9.46 L)

Manufactured for
Nufarm Americas Inc.
150 Harvester Drive
Burr Ridge, IL 60527





COOL POWER®
SELECTIVE HERBICIDE

ACTIVE INGREDIENTS:	
Isocetyl (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- <i>o</i> -Anisic Acid)***	3.60%
	35.26%
OTHER INGREDIENTS:	100.00%
TOTAL	
Isomer Specific AOAC Method, Equivalent to:	
* 2-Methyl-4-Chlorophenoxyacetic Acid	36.0%, 3.0 lbs./gal.
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PULL HERE TO OPEN
PRESS TO RESEAL

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE ATTACHED BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300. For Medical Emergencies Only, Call 877-325-1840.

**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.

Refer to attached booklet for complete Personal Protective Equipment, User Safety Recommendations, Environmental Hazards and Directions For Use.

FIRST AID

IF IN EYES	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

Contains Petroleum Distillates. May pose an aspiration pneumonia hazard.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE 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.

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: Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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.

EPA Reg. No. 228-317
EPA Est. No. 228-IL-1

Net Contents: 2.5 Gal. (9.46 L)

Manufactured For Nufarm Americas Inc.
150 Harvester Drive | Burr Ridge, IL 60527

14132000

(RV041111)





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HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate or neoprene rubber. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and all other handlers must wear:

- Long-sleeved shirt and long pants;
- Socks and shoes;
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or viton.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment, PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

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NOTE TO PHYSICIAN

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ENVIRONMENTAL HAZARDS

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 washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product should be reduced by avoiding applications when rainfall is forecasted to occur with 48 hours.

This pesticide has properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in 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

This product 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. Avoid broadcast applications when air temperature exceeds 85°F. When using small, spot treatment applications in temperature over 85°F, turf injury may occur.

When treating Carpetgrass and St. Augustine grass, avoid broadcast applications when air temperature exceeds 80°F. When air temperatures exceed 80°F, limit application to spot treatment only.

Avoid application to Centipede, or St. Augustine grasses unless turf injury can be tolerated. The suitable use of this product 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.

Do not enter or allow others to enter the treated area until sprays have dried. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Sensitive Areas: The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Apply only as a medium or coarse spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Apply only when the wind speed is 2-10 mph at the application site.

WEEDS CONTROLLED

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

Do not apply more than 1.5 lbs. ae of MCPA or 4 pints of product per acre per year.

Do not apply more than 2 application per year with a minimum retreatment interval of 21 days.

OTHER NON-CROP AREAS

(fencerows, hedgerows, roadsides (including aprons and guard rails), ditches, rights-of-way, utility, pipelines, powerlines, railroads, airports, commercial plants, storage and lumber yards, barrier strips and firebreaks, equipment areas, nurseries and ornamental plantings, fuel tank farms, pumping stations and other industrial sites)

For the control of broadleaf weeds, mix at a rate of 1/4 to 1/2 gallon of this product 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 this product per gallon of water and spray to thoroughly wet all foliage.

Do not apply more than 1.5 lb ae of MCPA/acre/year (4 pints of product per acre per year).

Do not apply more than 2 applications (at the rate 2 pints of product per acre) per year with a minimum retreatment interval of 21 days.



STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE 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.

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: Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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 DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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All other trademarks are the property of their respective owners.