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

> OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

NOV 17 2008

Mr. Matthew Granahan Product Registration Nufarm Americas, Inc., 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527

SUBJECT: Application for Pesticide Notification (PRN 98-10) Request General Label Change EPA Reg. No. 228-313 Application Dated October 23, 2008

Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 10/23/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

Linda Arrington Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

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EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

**Nufarm** 

Nufarm Americas Inc.

150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 Telephone: (630) 455.2000 Facsimile: (630) 455.2001 www.us.nufarm.com

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October 23, 2008

Via Overnight Courier

U. S. Environmental Protection Agency (7504P) Document Processing Desk (NOTIF) Room S4900, One Potomac Yard 2777 S. Crystal Drive Arlington, VA 22202

# Subject: Horsepower Selective Herbicide EPA REG. No. 228-313 Label Notification per PR 98-10

Dear Ms. Hobgood:

North Dakota Department of Agriculture wishes for Nufarm to remove the term "PROFESSIONAL" from our label to revise the statement from "FOR USE BY PROFESSIONAL TURF MAINTENANCE PERSONNEL, LANDSCAPING OR COMMERCIAL APPLICATORS ONLY" to "FOR USE BY TURF MAINTENANCE PERSONNEL, LANDSCAPING OR COMMERCIAL APPLICATORS ONLY". We have discussed this with North Dakota Department of Agriculture staff and they agree this approach is acceptable.

We believe this notification is consistent with PRN 98-10 Section II (labeling notifications). This change has been highlighted for ease in review. Nufarm Americas Inc. certifies that no other changes to the label have been made.

To process this request please find enclosed the following:

- Application for Pesticide Registration EPA form 8570-1
- Revised labeling with areas of change clearly identified (1 copy)
- Revised labeling clean (1 copy)

If you should have any questions regarding this matter, please feel free to contact me at (630) 455-2048 or matthew.granahan@us.nufarm.com.

Sincerely

Matthew Granahan Registration Manager Nufarm Americas, Inc.

# HORSEPOWER® SELECTIVE HERBICIDE

FOR SELECTIVE BROADLEAF WEED CONTROL IN ORNAMENTAL LAWNS AND TURF GRASSES. CONTROLS BLACK MEDIC, CHICKWEED, CLOVER COCKLEBUR, DANDELION, KNOTWEED, OXALIS, PLANTAIN, THISTLE AND MANY OTHER SPECIES OF BROADLEAF WEEDS; SOME OF WHICH ARE LISTED ON THIS LABEL.

NOTIFICATION

NOV, 1 7 2008

#### CONTAINS MCPA, TRICLOPYR AND DICAMBA

#### **ACTIVE INGREDIENTS:**

E

Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid* .	·	48.99%
Triethylamine Salt of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid*	* • • • • • • • • • • • • • • • • • • •	5.59%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-Anisic Acid)***		4.82%
OTHER INGREDIENTS:		40.60%
	TOTAL:	100.00%

By Isomer Specific AOAC Method, Equivalent to:		
*2-Methyl-4-Chlorophenoxyacetic Acid	40.0%, 3.80 lbs./gal.	
**3,5,6-Trichloro-2-Pyridinyloxyacetic Acid	4.0%, 0.38 lbs./gal.	
***3.6-Dichloro-o-Anisic Acid	4.0%, 0.38 lbs./gal.	

FOR USE BY TURF MAINTENANCE PERSONNEL, LANDSCAPING OR COMMERCIAL APPLICATORS ONLY

# 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. (If you do not understand the label, find someone to explain it to you in detail.)

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

NOTE: Spanish language is optional

EPA REG. NO. 228-313 EPA EST. NO. 228-IL-1 Manufactured For NUFARM AMERICAS INC. 150 Harvester Drive Burr Ridge, IL 60527



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NET CONTENTS

000228-00313.20081023.EPA.N

GALS.

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

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear face shield or goggles when mixing and loading this product. Avoid contact with eyes, skin or clothing.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are Butyl rubber ≥14 mils. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

#### Mixers, loaders, applicators, flaggers, and other handlers must wear:

- · Long-sleeved shirt and long pants,
- Protective eyewear (goggles or face shield)
- · Shoes plus socks, and
- · Chemical-resistant gloves made of any waterproof materials.
- Chemical-resistant headgear for overhead exposure.

Follow manufacturer's instructions for cleaning/maintaining 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow people or pets to enter the treated field until sprays have dried.

	FIRST AID	
IF IN EYES	<ul> <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>	
IF SWALLOWED	<ul> <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 do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	
IF ON SKIN OR CLOTHING	<ul> <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>	

#### 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

This product is corrosive to the eyes, Probable mucosal damage may contraindicate the use of gastric lavage.

#### ENVIRONMENTAL HAZARDS

This pesticide may be toxic to fish, aquatic invertebrates and aquatic plants. Do not apply directly to water, 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. Runoft of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

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

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#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product 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 resale or other commercial use as sod, or for commercial seed production or for research purposes. \*Excluding Bentgrass Tees.

Entry Restrictions: Do not allow people or pets to enter treated area until sprays have dried.

**Application Restrictions:** Avoid contact with eyes, skin, or clothing during and after application. Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. This product may cause skin sensitization reactions in some people.

Residental Turf Restrictions: Do not apply more than 3-1/8 gallons of product/acre per year.

The maximum application rate is 3.2 pints of product (1.5 lb ae) per acre per year.

Limit two applications per year with a minimum retreatment interval of 21 days.

Aerial application is prohibited.

#### 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. 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. 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 are temperature exceeds 90°F. When using small, spot treatment applications in temperature over 90°F. turf injury may occur.

When treating Carpetgrass and St. Augustine grass, avoid broadcast applications when air temperature exceed 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 nonrecommended turf species may be determined by treating a small area at any rate/acre which does not exceed 3 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.

#### 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 coarser 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.

Do not apply with a nozzle height greater than 4 feet above the crop canopy for ground boom application.

#### Alfalfa Amaranth Aster Beadstraw 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 Daisv Dandelion Dock

## WEEDS CONTROLLED

Dog fennel Dragonhead mint Evening primrose Field pennycress Fleabane Florida pusley Frenchweed Galinsoga Geranium Goatsbeard Goldenrod Goosefoot Gromwell Ground ivy Halfshrub sundrop Hawkweed Healall Heartleaf drymary Hemp sesbania Hempnettle Henbit Horsenettle Horseweed Ironweed Jerusalem artichoke Jimsonweed Knapweed Knapwood Knawel Knotweed Kochia Ladysthumb Lambsquarter Lespedeza Little starwort 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 ivv Poison oak Pokeweed Poorjoe Prickly sida Prickly lettuce Puncturevine. Purslane Ragweed Red sorrel Red clover Redevine Redstem Rubberweed Sheep sorrel Shepherdspurse Sicklepod Smartweed Snakeweed Sowthistle Speedwell Spiderwort Spikeweed Spurge Spurry

Spurweed Starbur Stinging nettle Stitchwort Stunkweed Sumpweed Sunflower Tansy ragwort Teasel Teaweed Texas blueweed Thistle Toadflax Trumpetcreeper Velvetleaf Veronica Vetch Waterhemlock Waterhemp Whitebrush Wild violet Wild radish Wild onion Wild aster Wild carrot Wild lettuce Wild garlic Wild geranium Wood sorrel Wormwood Yankeeweed Yarrow Yellow starthistle Yellow rocket and many other broadleaf weeds.

#### **ORNAMENTAL LAWNS AND TURF**

Apply this product at the rate of 2 to 3 pints in 20 to 240 gallons of water per acre (0.73 to 1.10 fluid ounces in 0.5 to 5.5 gallons of water per 1,000 square feet) to control weeds growing in turf grasses planted to Bluegrass, Fescue, Rye, Bent (excluding golf course greens and tees), Bahia, Bermuda and Zoysia.

Herbi<sup>™</sup> Controlled Droplet Applicator: Add 1-1/2 to 2-1/4 pints of this product to the 5 pint Herbi<sup>™</sup> 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.

**Controlled Droplet Applicators - (CDA), Atomizers, and Spinning Disk Applicators:** Use this product 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).

**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.

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## COMPATIBILITY

This product 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 this product.
- 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 Co-op.'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 this product).
- 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

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

**PESTICIDE STORAGE:** Always 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.

**PRODUCT 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). 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.

#### WARRANTY DISCLAIMER

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