

228-369

07-26-2011

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Matthew Granahan  
Nufarm Americas, Inc.  
50 Harvester Drive, Suite 200  
Burr Ridge, IL 60527

JUL 26 2011

Subject: Notification per PR Notice 98-10 and 2007-04  
Riverdale Grass, Weed, and Vegetation 5% Concentrate  
EPA Reg. No. 228-369  
Application Dated: June 14, 2011

Proposed Primary Brand Name: Grass, Weed and Vegetation Herbicide (Killer) 5% Concentrate

Dear Mr. Granahan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 and 2007-4 for the subject product.

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and 2007-4 and finds that the action requested falls within the scope of this notice. The label submitted with the application has been date-stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please feel free to contact Maggie Rudick at (703) 347-0257 or [rudick.maggie@epa.gov](mailto:rudick.maggie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis, Product Manager 25  
Herbicide Branch  
Registration Division (7505P)



	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

<b>1. Company/Product Number</b> 228-369	<b>2. EPA Product Manager</b> Bo Davis	<b>3. Proposed Classification</b> <input type="checkbox"/> None <input type="checkbox"/> Restricted
<b>4. Company/Product (Name)</b> Grass, Weed and Vegetation Herbicide (Killer) 5% Concentrate	<b>PM#</b> 25	
<b>5. Name and Address of Applicant (Include ZIP Code)</b> Nufarm Americas, Inc. 150 Harvester Drive, Suite 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address		<b>6. Expedited Review.</b> In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____

**Section - II**

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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**NOTIFICATION**  
**JUL 26 2011**

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4 and PR Notice 1998-10. This notification is consistent with the guidance in PR Notice 2007-4 and PR Notice 1998-10 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, 156.156 and 152.46. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of PR Notice 1998-10 and 40 CFR §§ 156.10, 156.140, 156.144, 156.146, 156.156 and 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

<b>1. Material This Product Will Be Packaged In:</b>				<b>2. Type of Container</b>	
<b>Child-Resistant Packaging</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Unit Packaging</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Water Soluble Packaging</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per container	If "Yes" Package wgt    No. per container		
<b>3. Location of Net Contents Information</b> <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		<b>4. Size(s) Retail Container</b> 1, 2.5, 30, 55 110, 220 Gals, Bulk		<b>5. Location of Label Directions</b> <input checked="" type="checkbox"/> _____	
<b>6. Manner in Which Label is Affixed to Product</b>		<input checked="" type="checkbox"/> Lithograph Paper glued Stenciled		<input checked="" type="checkbox"/> Other Self-Adhesive Label/ Bocket	

**Section - IV**

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>		
<b>Name</b> Matthew Granahan matthew.granahan@us.nufarm.com	<b>Title</b> Regulatory Manager	<b>Telephone No. (Include Area Code)</b> (630) 455-2048
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		<b>6. Date Application Received (Stamped)</b>
<b>2. Signature</b> 	<b>3. Title</b> Regulatory Manager	
<b>4. Typed Name</b> Matthew Granahan	<b>5. Date</b> 06/14/2011	







# GRASS, WEED AND VEGETATION HERBICIDE (KILLER) 5% CONCENTRATE

WATER BASED  
KILLS WEES AND GRASSES – IN 2 TO 4 WEEKS ROOTS AND ALL  
FOR GENERAL WEED CONTROL

CONTAINS GLYPHOSATE

ALSO INCLUDED A WETTING AGENT FOR ADDED VALUE

FOR USE ALONG FENCES, SIDEWALKS, DRIVEWAYS, WALKWAYS, AND FOR SPOT  
TREATMENT ON LAWNS.

LAWNS MAY BE RESEEDED 7 DAYS AFTER TREATMENT.

**ACTIVE INGREDIENT:**

Glyphosate, Isopropylamine Salt..... 5.0%

**OTHER INGREDIENTS:** ..... 95.0%

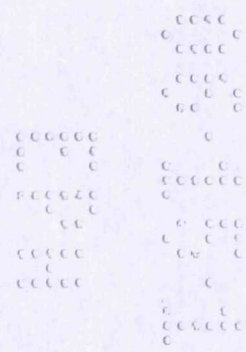
**TOTAL:** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
SEE [BACK] [SIDE] [INSIDE] [PANEL] [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

## NOTIFICATION

### JUL 26 2011



EPA REG. NO. 228-369  
EPA EST. NO. 228-IL-001

NET CONTENTS: 2.5 Gals. (9.46 L)

Manufactured For  
NUFARM AMERICAS INC.  
150 Harvester Drive  
Burr Ridge, IL 60527





**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. People and pets may enter treated area after spray has dried.

<b>FIRST AID</b>	
<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>

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

**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.

This product is a non-selective herbicide that can be used to control weeds, grasses, or other undesirable vegetation along fences, sidewalks and driveways, around trees, shrubs and ornamental plantings, around buildings, in brick and gravel walkways, and for spot treatments in lawn.

**CONTROLS**

Bahiagrass, Bentgrass, Bermudagrass, Bindweed (Wild Morningglory), Blackberries, Black Medic, Bluegrass, Blue Toadflax, Brassbuttons, Broadleaf Plantain, Bromegrass, Bur Clover, Canada Thistle, Chickweed, Common Groundsel, Common Plantain, Crabgrass, Creeping Beggarweed, Creeping Bentgrass, Creeping Charlie, Curly Dock, Dandelion, Diffuse Lovegrass, Dog Fennel, Evening Primrose, False Dandelion, Fennel, Fescue, Fiddleneck, Filaree, Florida Pusley, Garden Spurge, Henbit, Johnsongrass, Knotweed, Lambsquarter, Little Bitter Cress, London Rocket, Maiden Cane, Mallow, Mayweed, Mouseear Chickweed, Nimbleweed, Oldenlandia, Orchardgrass, Oxalis, Pennsylvania Smartweed, Pennywort, Perennial Ryegrass, Poison Ivy, Poison Oak, Primrose, Prostate Spurge, Puncture Vine, Quackgrass, Ragweed, Sandspur, Shepherdspurse, Smooth Cat's Ear, Sowthistle, Spotted Spurge, St. Augustinegrass, Tall Fescue, Tansy Ragwort, Torpedograss, White Clover, Whitetop, Wild Barley, Yellow Nutsedge and Zoysia.

**DILUTION TABLE**

<b>Amount to Use</b>	<b>Area to Treat</b>	<b>Water to Use</b>
8 fl. oz. (1 Cup)	250 sq. ft.	1 gal.
1 pt.	500 sq. ft.	2 to 3 gals.
1 qt.	1,000 sq. ft.	4 to 4 gals.

Visible effects generally occur within one week with complete kill in 2 to 4 weeks. Reseeding of treated lawn area may be done 7 days after treatment.

**IMPORTANT**

For spot treating in lawns, around trees and shrubs, a tank type sprayer is recommended. Spray carefully. Avoid spray or drift contact with desirable lawn grasses, shrubs or trees. This product is not selective and can kill all vegetation contacted. If accidental drift contacts desirable foliage, wash off immediately with water. Do not apply when rainfall is expected within 24 hours of application as weed control will be reduced.



### WHEN TO APPLY

Apply at any time that vegetation is actively growing. Warm, sunny weather will accelerate systemic movement from leaves and stems down to roots, to give complete kill. Heavy lawn grass or difficult to control perennial weeds, such as Bermudagrass, Nimbleweed, dandelion or Canada thistle may require a repeat application, if regrowth occurs. For best results, apply on a sunny day when daytime temperature is at least 60° F. Apply only when air is calm. Do not use on or around edible feed or food crops.

### HOW TO APPLY

**GENERAL WEED AND GRASS CONTROL:** To apply with a plastic, aluminum, or stainless steel tank type sprayer, mix 8 fl. oz. (1 cup) of this product per 1 gallon of water and spray to wet undesirable vegetation. **NOTE:** We do not recommend a galvanized or unlined steel sprayer. Never store unused spray. Rinse used sprayer.

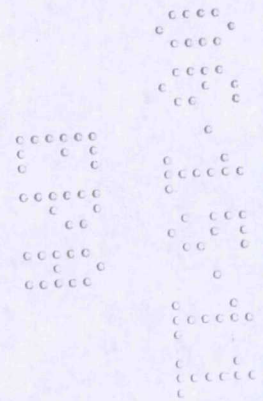
### WHERE TO APPLY

General Weed Control: Apply this product to control undesirable plants growing in fences, around physical ornaments, buildings, tool sheds, or other areas where control is desired.

Landscaping: Apply this product to control undesirable weeds or grasses growing in areas where plantings of ornamentals, trees, shrubs, desert landscapes, rock gardens, flower beds or similar plantings will be made.

Ornamentals: Apply this product to control undesirable plants growing around ornamentals, trees, or shrubs. Spray contact other than mature bark of desirable plants may cause injury.

Lawns: Applying this product to control undesirable weeds in a lawn will cause a dead spot until sufficient growth occurs to close the area. Larger spots will require reseeding to provide complete grass cover and help protect reinfestation by undesirable plants.





[To be used for commercial product]

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage <sup>and</sup> disposal.

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

#### **PESTICIDE DISPOSAL AND 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.

##### **Nonrefillable containers larger than 5 gallons:**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling or reconditioning is not available, 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. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

##### **Refillable containers larger than 5 gallons:**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.



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[To be used for residential product]

### STORAGE AND DISPOSAL

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

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

**PESTICIDE DISPOSAL AND CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

### 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.

### LIMITATION OF LIABILITY

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 the 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.

(RV061411)



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**OPTIONAL MARKETING LANGUAGE**

Kills the root

Treated areas can be re-seeded 7 days after application

[Stop sign icon] READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

**ALTERNATE WARRANTY:**

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. 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.

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